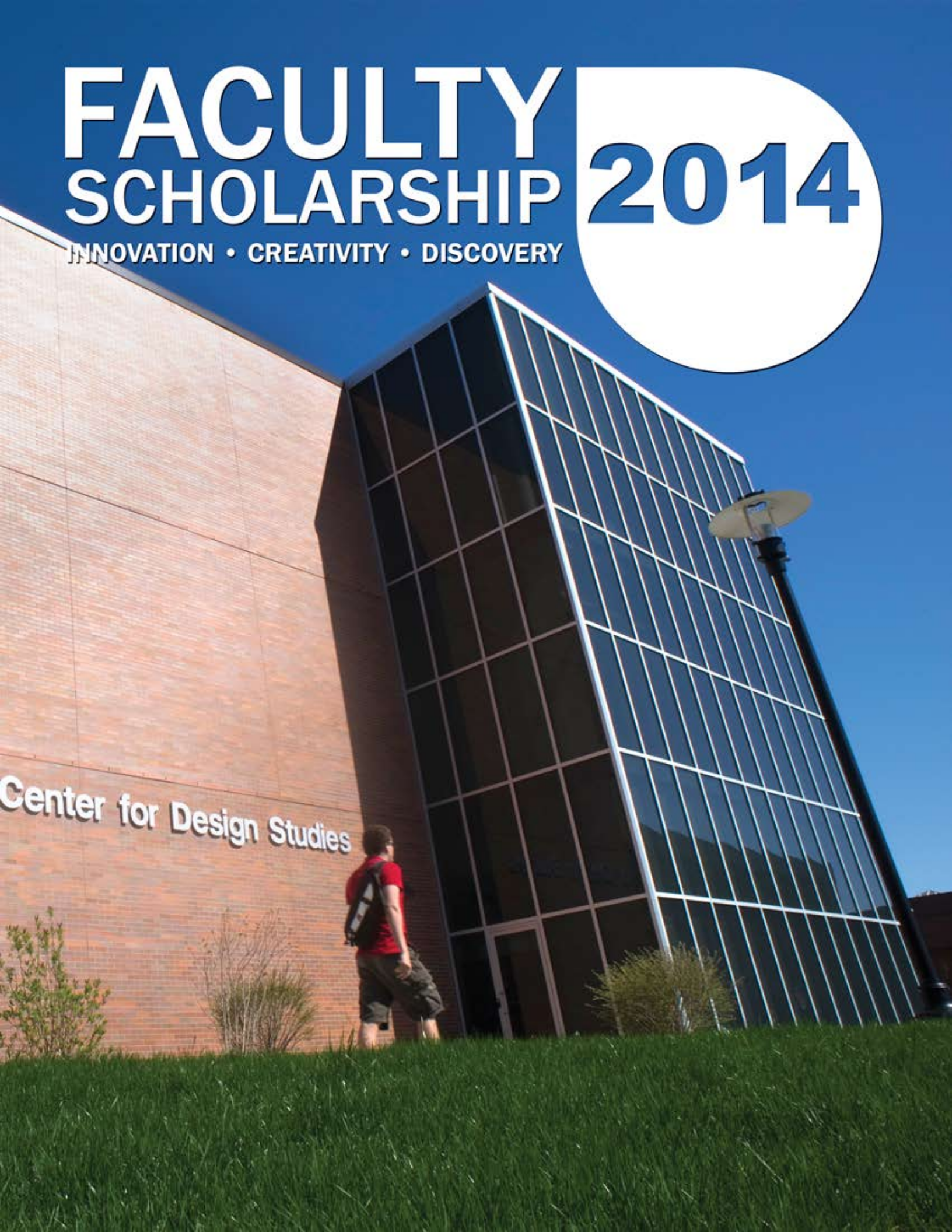


# FACULTY SCHOLARSHIP 2014

INNOVATION • CREATIVITY • DISCOVERY

Center for Design Studies



# Table of Contents

3	Letter from the Provost
4	B. Thomas Golisano College of Computing & Information Sciences
26	College of Applied Science & Technology
36	College of Health Sciences & Technology
42	College of Imaging Arts & Sciences
56	College of Liberal Arts
80	College of Science
108	Saunders College of Business
114	Golisano Institute for Sustainability
122	Kate Gleason College of Engineering
152	National Technical Institute for the Deaf
170	Other Degree Granting Units

## **2014 Faculty Scholarship Report**

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# Message from the Provost



We are proud that at RIT we embrace the teacher scholar model and have faculty engaged in the continual learning process. Once again, the faculty at RIT have created a substantial body of work during the past academic year. As a result of their committed efforts, both the quality and quantity of the research, scholarship, and creative work produced at RIT has steadily increased compared to previous years.

Our new strategic plan, “Greatness Through Difference” underscores our vision to make RIT a pre-eminent student-centered research university. This includes faculty engaged in creative inquiry, the applications of new and existing technologies to solve industrial challenges, as well as interdisciplinary work that crosses and intersects traditional boundaries. The research, pedagogical undertakings and scholarly activities our faculty members embark on continues to impact the students we teach, our peers within the academic community, and the world.

The connections made by RIT faculty through research, scholarship and creative work establish new opportunities for our students, and prepare them for the next stage of their careers. It is through these diverse scholarly pursuits that students and faculty are able to collaborate across international borders, and bring new insights and perspectives to their work.

It is with great pride that I present this report highlighting our faculty’s scholarly achievements during 2014.

A handwritten signature in black ink that reads "Jeremy Haefner". The signature is fluid and cursive, with a long horizontal line extending to the right.

Jeremy Haefner, Ph.D.  
Provost and Senior Vice President for Academic Affairs  
Rochester Institute of Technology

## Computer Science

### Matthew Fluet, Assistant Professor

**Published Conference Proceedings:** Bergstrom, Lars, et al. "Practical and Effective Higher-Order Optimizations." Proceedings of the The Nineteenth ACM SIGPLAN International Conference on Functional Programming (ICFP'14); September 1-3, 2014; Gothenburg, Sweden. Ed. Manuel Chakravarty. New York, NY: ACM Press, 2014. Print. £

#### External Scholarly Fellowships:

8/1/2014-  
7/31/2017  
National Science Foundation  
(CISE Research Infrastructure (CRI))  
Amount: \$224,329  
≠

#### External Scholarly Fellowships:

6/1/2014-  
5/31/2018  
National Science Foundation (Software  
and Hardware Foundations (SHF))  
Amount: \$236,744  
≠

### Joe Geigel, Professor

**Published Conference Proceedings:** Ferry, Peter, Joe Geigel, and Susan Lakin. "The Nostalgia Project." Proceedings of the Intelligent Technologies for Interactive Entertainment (IN-TETAIN 2014), July 9-11, 2014, Chicago, IL. Ed. D. Reidsma, I. Choi, and R. Bargar. New York, NY: Springer International Publishing, Print. \* £

**Published Conference Proceedings:** Lakin, Susan, Peter Ferry, and Joe Geigel. "Please Take this Moment to Turn ON all Cell Phones: A Live Musical Performance Connecting Photography and Music." Proceedings of the Society for Photographic Education 2014 Conference (SPE 2014), Baltimore, MD, March 6-9, 2014. Ed. Nate Larson. Cleveland, OH: n.p., Print. \* £

### Edith Hemaspaandra, Professor

**Journal Paper:** Hemaspaandra, E., L. Hemaspaandra, and J. Rothe. "The Complexity of Online Manipulation of Sequential Elections." Journal of Computer and System Sciences 80. 4 (2014): 697-710. Print. \*

**Journal Paper:** Faliszewski, P., E. Hemaspaandra, and L. Hemaspaandra. "The Complexity of Manipulative Attacks in Nearly Single-Peaked Electorates." Artificial Intelligence 207. (2014): 69-99. Print. \*

**Published Conference Proceedings:** Hemaspaandra, E., L. Hemaspaandra, and H. Schnoor. "A Control Dichotomy for Pure Scoring Rules." Proceedings of the Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI 2014). Ed. Unknown. Quebec City, Canada: n.p., 2014. Web. «

**Published Conference Proceedings:** Erdelyi, G., E. Hemaspaandra, and L. Hemaspaandra. "Bribery and Voter Control Under Voting-Rule Uncertainty." Proceedings of the Thirteenth International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2014). Ed. Unknown. Paris, France: n.p., 2014. Web. «

**Christopher M Homan, Associate Professor**

**Published Conference Proceedings:** Cui, Biru, Shanchieh Jay Yang, and Christopher M. Homan. "Non-Independent Cascade Formation: Temporal and Spatial Effects." Proceedings of the 23rd ACM International Conference on Conference on Information and Knowledge Management, Shanghai 2014. Ed. Jianzhong Li and X. Sean Wang. New York, New York: ACM, Print. «

**Published Conference Proceedings:** Lasecki, Walter S, Christopher M. Homan, and Jeffrey Bigham. "Tuning the Diversity of Open-Ended Responses From the Crowd." Proceedings of the Second AAAI Conference on Human Computation and Crowdsourcing. Ed. Jeffrey P. Bigham and David C. Parkes. Pittsburgh, PA: AAAI, Web. «

**Journal Paper:** DiFonzo, Nicholas, et al. "Network Structure Moderates Intergroup Differentiation of Stereotyped Rumors." *Social Cognition* 32. 5 (2014): 409-448. Print. « £

**Published Conference Proceedings:** Homan, Christopher M., et al. "Toward Macro-Insights for Suicide Prevention: Analyzing Fine-Grained Distress at Scale." Proceedings of the The 52nd Annual Meeting of the Association for Computational Linguistics Computational Linguistics and Clinical Psychology: From Linguistic Signal to Clinical Reality. Ed. Philip Resnik, Rebecca Resnik, and Margaret Mitchell. Stroudsburch, PA: ACL, 2014. Print. «

**Invited Presentations/Keynotes:** Lytle, Megan C., et al. "Suicidal and Help-Seeking Behaviors Among an Online Lesbian, Gay, Bisexual, and Transgender Social Network." 47 Annual Conference of the American Association of Suicidology. American Association of Suicidology. Los Angeles, CA. 9 Apr. 2014. Conference Presentation. « £

**Published Conference Proceedings:** Sadilek, Adam, et al. "Modeling Fine-Grained Dynamics of Mood at Scales." Proceedings of the WSDM 2014 Workshop on Diffusion Networks and Cascade Analytics. Ed. Peng Cui, et al. New York, NY: n.p., Web. «

**Published Conference Proceedings:** Homan, Christopher M., et al. "Social Structure and Depression in TrevorSpace." Proceedings of the 17th ACM Conference on Computer Supported Cooperative Work & Social Computing. Ed. Susan Fussell and Wayne Lutters. New York, NY: ACM, 2014. Print. «

**Journal Paper:** Lasecki, Walter S., Christopher M. Homan, and Jeffrey P. Bigham. "Architecting Real-Time Crowd-Powered Systems." *Human Computation* 1. 1 (2014): 67-93. Web. « £

**Trudy M Howles, Professor**

**Journal Editor:** Howles, Trudy, ed. *Software Quality Professional*. Milwaukee, WI: American Society for Quality, 2014. Print. «

**Invited Article/Publication:** Editor, Trudy Howles,. "What Can we Learn from HealthCare.gov?" *Software Quality Professional*. (2014). Print. Δ

**Journal Paper:** Howles, Trudy and Mark Paulk, Editor. "Data, Data Quality, and Ethical Use." *Software Quality Professional* 16. 2 (2014): 4-12. Print. «

**Peizhao Hu, Assistant Professor**

**Published Conference Proceedings:** Zhong, Mingyang, et al. "ColStream: Collaborative Streaming of On-Demand Videos for Mobile Devices." Proceedings of the the 15th IEEE International Symposium on a World of Wireless, Mobile and Multimedia Networks (WoWMoM 2014). Ed. Unknown. Sydney, Australia: n.p., 2014. Web. \*

## Featured Faculty

**MATTHEW FLUET** IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF COMPUTER SCIENCE IN THE B. THOMAS GOLISANO COLLEGE OF COMPUTING AND INFORMATION SCIENCES. HIS RESEARCH INTERESTS LIE WITH THE DESIGN AND IMPLEMENTATION OF FUNCTIONAL PROGRAMMING LANGUAGES.

Programming languages are the medium through which computations are communicated, not only from a programmer to a computer, but also from one programmer to another. Dr. Fluet's research aims to design and implement programming languages that make it easy to write programs that are both executed efficiently and guaranteed to be safe. Recently, his major scholarship activities have been centered around the Manticore and MLton projects.

The Manticore project (<http://manticore.cs.uchicago.edu>), in collaboration with Prof. John Reppy (University of Chicago) and students at RIT and UChicago, is a research effort to design and implement a parallel functional programming language that targets commodity multicore and shared-memory multiprocessors. The project has been supported by multiple NSF awards and yielded numerous publications. Dr. Fluet gave an invited talk on Manticore at the Second ACM SIGPLAN Workshop on Functional High-Performance Computing (FHPC'13). Dr. Fluet's current research is focused on developing declarative language mechanisms for the controlled use of shared state and nondeterminism in parallel programs in order to increase their parallel efficiency.

The MLton project (<http://www.mlton.org>), led by Dr. Fluet, is an open-source whole-program optimizing compiler for the Standard ML (SML) functional programming language. MLton is widely regarded as one of the best compilers for any functional programming language and is actively used in both industry and academia. The project is being supported by two recent NSF awards. The first, in collaboration with Profs. Umut Acar and Guy Blelloch (Carnegie Mellon University), will address the problem of automatically managing spatial and temporal locality of a high-level garbage-collected parallel functional programming language. The second, in collaboration with Prof. Lukasz Ziarek (SUNY Buffalo), will enhance MLton through the development of type-checking and optimization infrastructures, threading and garbage collection frameworks, configuration and benchmarking support systems, and documentation and course material.

### **MATTHEW FLUET**

ASSISTANT PROFESSOR  
COMPUTER SCIENCE

B. THOMAS GOLISANO COLLEGE OF COMPUTING AND INFORMATION SCIENCES







**Published Conference Proceedings:** Zhong, Mingyang, Peizhao Hu, and Jadwiga Indulska. "Revisited: Bandwidth Estimation Methods for Mobile Networks." Proceedings of the The 8th IEEE WoWMoM Workshop on Autonomic and Opportunistic Communications. Ed. Unknown. Sydney, Australia: n.p., 2014. Web. \*

**Published Conference Proceedings:** Zhong, Mingyang, et al. "Development of Collaborative Video Streaming for Mobile Networks: from Overview to Prototype." Proceedings of the The 11th International Conference on Ubiquitous Intelligence and Computing (UIC 2014). Ed. Unknown. Bali, Indonesia: n.p., 2014. Web. \*

#### **Mohan J Kumar, Professor**

**Journal Paper:** Kumar, Mohan, et al. "Service Composition in Opportunistic Networks: A Load and Mobility Aware Solution." IEEE Transactions on Computers 63. 9 (2014): 1-15. Print.

**Published Conference Proceedings:** Qayyum, Shiraz and Mohan Kumar. "MEME: Real-time Mobility Estimation for Mobile Environments." Proceedings of the Local Computer Networks (LCN), 2014 IEEE 39th Conference on. Ed. IEEE LCN. Edmonton, AB: IEEE, 2014. Web.

**Published Conference Proceedings:** Madhukalya, Michael and Mohan Kumar. "ConCon: Context-Aware Middleware for Content Sharing in Dynamic Participating Environments." Proceedings of the Mobile Data Management (MDM), 2014 IEEE 15th International Conference on. Ed. IEEE MDM. Brisbane, Australia: IEEE, 2014. Web.

**Published Conference Proceedings:** Zhong, Mingyang, et al. "ColStream: Collaborative streaming of on-demand videos for mobile devices." Proceedings of the A World of Wireless, Mobile and Multimedia Networks (WoWMoM), 2014 IEEE 15th International Symposium on. Ed. IEEE WoWMoM. Sydney, Australia: IEEE, 2014. Web.

#### **Xumin Liu, Assistant Professor**

**Journal Paper:** Mishra, Sudipan and Xumin Liu. "Optimizing Concurrency Performance of Complex Services in Mobile Environment." International Journal of Web Service Research 11. 1 (2014): 94-110. Print. \*

**Published Conference Proceedings:** Liu, Xumin. "Unraveling and Learning Workflow Models From Interleaved Event Logs." Proceedings of the IEEE International Conference on Web Services. Ed. David De Roure, Bhavani Thuraisingham, and Jia Zhang. Anchorage, AK: n.p., 2014. Print. \*

**Published Conference Proceedings:** Saleem, Muhammad Sulema and Chen Ding and Xumin Liu and Chi Hung Chi. "Personalized Decision Making for QoS-Based Service Selection." Proceedings of the IEEE International Conference on Web Services. Ed. David De Roure and Bhavani Thuraisingham and Jia Zhang. Anchorage, AK: n.p., 2014. Print. \*

**Published Conference Proceedings:** Karim, Raed and Chen Ding and Ali Miri and Xumin Liu. "End-to-end QoS Mapping and Aggregation for Selecting Cloud Services." Proceedings of the The 2014 International Conference on Collaboration Technologies and Systems. Ed. Xiaoqing Liu and Mads Nygard. Minneapolis, MN: n.p., 2014. Print. \*

**Published Conference Proceedings:** Liu, Xumin, et al. "Teaching Service-Oriented Programming to CS and SE Undergraduate Students." Proceedings of the ACM Technical Symposium on Computer Science Education. Ed. Adrienne Decker. Atlanta, GA: n.p., 2014. Print. \*

#### **Stanislaw Radziszowski, Professor**

**Journal Paper:** Bajorski, Peter, et al. "Stochastic Analysis and Modeling of a Tree-Based Group Key Distribution Method in Tactical Wireless Networks." Journal of Telecommunications Systems & Management 3. 2 (2014): 8 pages. Print. £

**Journal Paper:** Lukowiak, Marcin, et al. "Cybersecurity Education: Bridging the Gap between Hardware and Software Domains." *ACM Transactions on Computing Education* 14. 1 (2014): article #2. Web. £

**Journal Paper:** Lange, Alexander, Stanisław Radziszowski, and Xiaodong Xu. "Use of MAX-CUT for Ramsey Arrowing of Triangles." *Journal of Combinatorial Mathematics and Combinatorial Computing* 88. (2014): 61-71. Print. £

**Journal Paper:** Radziszowski, Stanisław. "Small Ramsey Numbers." *Electronic Journal of Combinatorics DS1. revision #14* (2014): 94 pages. Web. £

**Invited Presentations/Keynotes:** Radziszowski, Stanisław. "Ramsey Arrowing of Triangles." 5th Polish Combinatorial Conference. Warsaw Center of Mathematics and Computer Science, et al. Bedlewo, Poland. 22 Sep. 2014. Address.

**External Scholarly Fellowships:**

5/1/2014-

5/14/2014

Royal Swedish Academy of Sciences

Amount: 3000

**Patents:** Kurdziel, Michael, et al. "Electronic Key Management Using PKI to Support Group Key Establishment in the Tactical Environment." Patent 8,873,759. 28 Oct. 2014.

**Rajendra Raj, Professor**

**Published Conference Proceedings:** Alshehri, Suhair, Sumita Mishra, and Rajendra K. Raj. "Insider Threats and Access Control in e-Health Systems." *Proceedings of the 16th IEEE International Conference on E-health Networking, Application & Services, Natal, Brazil. October 2014.* Ed. Augusto Venncio Neto and Jos Neuman de Souza. New York, NY: IEEE, 2014. Print. £

**Journal Paper:** Etlinger, Henry A. and Rajendra K. Raj. "An Approach to Engaging Students in the Assessment Process." *The Newsletter of the Assessment Network of New York* 3. 3 (2014): 3-4. Web.

**Published Conference Proceedings:** Etlinger, Henry A. and Rajendra K. Raj. "Putting the 'Student' in Student Learning Outcomes [poster]." *Proceedings of the Assessment Network of New York's Second Annual Conference (Using Assessments to Drive Improvement- Practical Applications from the Field).* Ed. Raymond Galinski and Susan Parry. Rochester, NY: n.p., Print.

**Leonid Reznik, Professor**

**Published Conference Proceedings:** Lyshevski, S.E, Leon Reznik, and et al. "Estimates and Measures of Data Communication and processing in Nanoscaled Classical and Quantum Physical Systems." *Proceedings of the 2014 IEEE 14th International Conference on Nanotechnology (IEEE-NANO).* Ed. Unknown. Toronto, Canada, ON: IEEE, 2014. Print.

**Published Conference Proceedings:** Reznik, L. and S.E. Lyshevsky. "Data Quality and Security Evaluation Tool for Nanoscale Sensors." *Proceedings of the SECURWARE 2014, The Eighth International Conference on Emerging Security Information, Systems and Technologies.* Ed. Unknown. Lisbon, Portugal: n.p., 2014. Print.

**Invited Presentations/Keynotes:** Reznik, L. "From Big Data to Quality Data: What is the Emerging Sensor and Network Technology Going to Deliver Next?" *The Eighth International Conference on Sensor Technologies and Applications SENSORCOMM 2014.* IARIA. Lisbon, Portugal. 20 Nov. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Reznik, L. "Information Privacy: Does it Really matter?" *SECURWARE 2014, The Eighth International Conference on Emerging Security Information, Systems and Technologies.* IARIA. Lisbon, Portugal. 19 Nov. 2014. Address.

## **Richard Zanibbi, Associate Professor**

**Book Chapter:** Blostein, Dorothea and Richard Zanibbi. "Processing Mathematical Notation." Handbook of Document Image Processing and Recognition. Ed. David Doermann and Karl Tombre. London, UK: Springer-Verlag, 2014. 679-702. Print. Δ

**Published Conference Proceedings:** Pattaniyil, Nidhin and Richard Zanibbi. "Combining TF-IDF Text Retrieval with an Inverted Index over Symbol Pairs in Math Expressions: The Tangent Math Search Engine at NTCIR 2014." Proceedings of the Proc. 11th NII Testbeds and Community for Information access Research (NTCIR), Dec. 2014, Tokyo. Ed. Noriko Kando, Hideo Joho, and Kazuaki Kishida. Tokyo, Japan: n.p., 2014. Web. \*

**Published Conference Proceedings:** Davila, Kenny M., Stephanie Ludi, and Richard Zanibbi. "Using Off-line Features and Synthetic data for On-line Handwritten Math Symbol Recognition." Proceedings of the International Conference on the Frontiers of Handwriting Recognition (ICFHR), Sept. 2014, Crete, Greece). Ed. Josep Lladós, R. Manmatha, and Chew Lim Tan. New York, USA: n.p., 2014. Print. \*

**Published Conference Proceedings:** Mouchere, Harold, et al. "ICFHR 2014 Competition on Recognition of On-line Handwritten Mathematical Expressions (CROHME 2014)." Proceedings of the International Conference on the Frontiers of Handwriting Recognition (ICFHR), Sept. 2014, Crete, Greece. Ed. Josep Lladós, R. Manmatha, and Chew Lim Tan. New York, USA: IEEE, 2014. Print. £

**Published Conference Proceedings:** Reichenbach, Matthias, Anurag Agarwal, and Richard Zanibbi. "Rendering Expressions to Improve Accuracy of Relevance Assessment for Math Search." Proceedings of the ACM SIGIR (July 2014, Gold Coast, Australia). Ed. Peter Bruza, Charles L.A. Clarke, and Kal Jrvelin. New York, USA: ACM, 2014. Print. «

**Published Conference Proceedings:** Wangari, Keita, Richard Zanibbi, and Anurag Agarwal. "Discovering Real-World Use Cases for a Multimodal Math Search Interface." Proceedings of the ACM SIGIR (July 2014, Gold Coast, Australia). Ed. Peter Bruza, Charles L.A. Clarke, and Kal Jrvelin. New York, USA: ACM, 2014. Print. «

## **External Scholarly Fellowships:**

6/15/2014-

7/5/2014

University of Nantes, France (Travel Expenses for Visiting Research Professor Appointment)

Amount: 0

## **External Scholarly Fellowships:**

10/1/2014-

10/30/2014

University of Waterloo Canada (Travel Expenses for Visiting Research Professor Appointment)

Amount: 0

**Invited Presentations/Keynotes:** Zanibbi, Richard. "Creating User-Friendly Math Search Engines." University of Waterloo HCI Seminar Series. University of Waterloo, Canada. Waterloo, ON. 26 Sep. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Zanibbi, Richard. "Creating User-Friendly Math Search Engines." Image and Document Processing: Recognition and Interaction Seminar. IUT Nantes (Univ. Nantes). Nantes, France. 30 Jun. 2014. Guest Lecture.

**Judged National/International Competition Award Winner:** Pattaniyil, Nidhin, David Stalaker, and Richard Zanibbi. NTCIR-11 Math-2 Math Search Task/Competition. Highest Precision@5 Search Result Ranking; Best Formula Retrieval (1st round). Tokyo, Japan, 2014.

**Published Game, Application or Software:** Stalnaker, David and Nidhin Pattaniyil. Tangent Math Search Engine (versions 0.1 and 0.2). Software. (DPRL Lab: Open Source). 2014.

**Published Game, Application or Software:** Pospesel, Richard, et al. DPRL Lab CROHME Handwritten Math Competition Entires, 2011-2014. Software. (DPRL Lab: Open Source). 2014.

**Published Game, Application or Software:** Hu, Lei and Richard Zanibbi. HMM-based Handwritten Math Symbol Recognizer. Software. (DPRL Lab: Open Source). 2014.

**Published Game, Application or Software:** Davila, Kenny. Offline Featured-Based Classifier (SVM/Random Forest) for Handwritten Math Symbols. Software. (DPRL Lab: Open Source). 2014.

**Published Game, Application or Software:** Zhu, Siyu and Lei Hu. Image-based Classifier for Typeset Math Symbols. Software. (DPRL Lab: Open Source). 2014.

**Published Game, Application or Software:** Pospesel, Richard, et al. MIN (Multimodal Math Search Interface). Software. (DPRL Lab: Open Source). 2014.

*Department of Computing Security*

**Daryl G Johnson, Associate Professor**

**Published Conference Proceedings:** Assayari, Hashem and Daryl G Johnson. "A Channel for Exchanging Information Covertly using Game Save File in Prison Architect." Proceedings of the 9th Annual Symposium on Information Assurance (ASIA14). Ed. Sanjay Goel. Albany, NY: n.p., 2014. Print. \*

**Published Conference Proceedings:** Sabernick, Allen and Daryl G Johnson. "Google Maps KML Covert Channel." Proceedings of the 9th Annual Symposium on Information Assurance (ASIA14). Ed. Sanja Goel. Albany, NY: n.p., 2014. Print. \*

**Published Conference Proceedings:** Leonardo, Carlos and Daryl G Johnson. "MODBUS Covert Channel." Proceedings of the The 2014 International Conference on Security and Management (SAM'14). Ed. Kevin Daimi. Las Vegas, NV: n.p., 2014. Print. \*

**Published Conference Proceedings:** Sharma, Kuhu, et al. "Meshed Tree Protocol for Faster Convergence in Switched Networks." Proceedings of the The Tenth International Conference on Networking and Services (The Tenth International Conference on Networking and Services (The Tenth International Conference on Networking and Services. Ed. Sasha Pan. Shanghai, China: n.p., 2014. Print. \*

**Published Conference Proceedings:** Farmer, Douglas and Daryl G Johnson. "Audio Steganography Using Stereo Wav Channels." Proceedings of the The 2014 International Conference on Security and Management (SAM'14). Ed. Kevin Daimi. Las Vegas, NV: n.p., 2014. Print. \*

**Published Conference Proceedings:** Rowe, Brian and Daryl G Johnson. "A Behavior-Based Covert Channel in a MMQ." Proceedings of the The 2014 International Conference on Security and Management (SAM'14). Ed. Kevin Daimi. Las Vegas, NV: n.p., 2014. Print. \*

**Published Conference Proceedings:** Dears-tyne, Steven and Daryl G Johnson. "Leveraging Public Posts and Comments as Covert Channels." Proceedings of the Systems, Signals and Image Processing (IWSSIP), 2014 International Conference. Ed. Mislav Grgjc. Dubrovnik, Croatia: n.p., 2014. Print. \*

**Published Conference Proceedings:** Madiraju, Tarun, et al. "Passwords in Public: Dictionary Attacks, Password Selection and Password Meters." Proceedings of the Proceedings of the International Joint Conference on Computer, Information, and Systems Sciences and Engineering (CISSE 14). Ed. Srinivas Ramaswamy. San Diego, CA: n.p., 2014. Print. \*

**Yin Pan, Associate Professor**

**Published Conference Proceedings:** Madiraju, Tarun, et al. "Passwords in Public: Dictionary Attacks, Password Selection and Password Meters." Proceedings of the The 18th Colloquium for Information Systems Security Education. Ed. CISSE. San Diego, CA: n.p., 2014. Web. \*

**Bill Stackpole, Associate Professor**

**Published Conference Proceedings:** Kim, Youngho, Bill Stackpole, and Tae Oh. "Analysis of Mobile Malware Based on User Awareness." Proceedings of the 3rd Annual Conference on Research in Information Technology, Atlanta, GA. Ed. Rob Friedman. Atlanta, GA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Sharma, Kuhu, et al. "Meshed Tree Protocol for Faster Convergence in Switched Networks." Proceedings of the ICNS 2014: The Tenth International Conference on Networking and Services. Ed. Unknown. Chamonix, France: n.p., 2014. Web. \*

**Kaiqi Xiong, Assistant Professor**

**Full Length Book:** Xiong, Kaiqi. Resource Optimization and Security for Cloud Services. 1st ed. New York, NY: Wiley-ISTE, 192 pages., 2014. Print. £

**Published Conference Proceedings:** Shen, X. Chen, Z. Jiang, K. Xiong, and J. "Practical Routing Protocol for Impromptu Mobile Social Networks." Proceedings of the The 12th IEEE International Conference on Embedded and Ubiquitous Computing (EUC). Ed. Eli Bozorgzadeh, Eduardo de la Torre, and Pao Ann-Hsiung. Milano, Italy: IEEE, 2014. Print. £

**Published Conference Proceedings:** Xiong, Kaiqi. "Service-level Agreement (SLA)-based Resource Management for Improving Cloud Services." Proceedings of the The 16th IEEE International Conference on High Performance Computing and Communications the Workshop on Cloud Technologies. Ed. Julien Bourgeois, et al. Pairs, France: n.p., Print. £

**Journal Paper:** Xiong, K. and H. Perros. "Resilient and Performance-guaranteed Composite Services in Cloud Computing." International Journal of Cloud Computing. (2014): 315-325. Print. £

**Published Conference Proceedings:** Akella, Anand V. and Kaiqi Xiong. "Quality of Service (QoS)-Guaranteed Network Resource Allocation via Software Defined Networking (SDN)." Proceedings of the IEEE 12th International Conference on Dependable, Autonomic and Secure Computing. Ed. Tharam Dillon, et al. New York, NY: n.p., Print. £

*Information Sciences and Technologies*

**Charles Border, Associate Professor**

**Journal Paper:** Border, Charles and Kyrre Begnum. "Educating System Administrators." :Login 39. 5 (2014): 37-43. Print. Δ

**Invited Presentations/Keynotes:** Border, Charles. "Virtualization Systems Architectures." Summit of Educators in System Administration. USENIX. Seattle, Washington. 11 Nov. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Border, Charles. "Advanced Storage Architectures." Summit of Educators in System Administration. USENIX. Seattle, Washington. 11 Nov. 2014. Conference Presentation. \*

**Vicki L Hanson, Professor**

**Published Conference Proceedings:** Dee, Marianne and Vicki L. Hanson. "A Large User Pool for Accessibility Research with Representative Users." Proceedings of the Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** McIntyre, Lesley and Vicki L. Hanson. "Buildings and Users with Visual Impairment: Uncovering Factors for Accessibility Using BITKit." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Montague, Kyle and Vicki L. Hanson. "Motor-impaired Touchscreen Interactions in the Wild." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Crabb, Michael and Vicki L. Hanson. "Age, Technology Usage, and Cognitive Characteristics in Relation to Perceived Disorientation and Reported Website Ease of Use." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Medellin, A. Rolando, Chris Reed, and Vicki L. Hanson. "Spoken Interaction with Broadcast Debates." Proceedings of the International Conference on Computational Models of Argument. Ed. IOS. Amsterdam, Netherlands: IOS Press, 2014. Print. \*

**Published Conference Proceedings:** Nicolau, Hugo, et al. "B#: Chord-based Correction for Multitouch Braille Input." Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14). BEST PAPER AWARD. Ed. ACM. New York, NY: ACM, 2014. Print. \*

**Published Conference Proceedings:** Norval, Chris, John Arnott, and Vicki L. Hanson. "What's on Your Mind? Investigating Recommendations for Inclusive Social Networking and Older Adults." Proceedings of the Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI '14). Ed. ACM. New York, NY: ACM, 2014. Print. \*

**Journal Paper:** Webster, Gemma and Vicki L. Hanson. "Technology for Supporting Care Staff in Residential Homes." ACM Transactions on Accessible Computing 5. 3 (2014): 23 pages. Print. \*

**Invited Presentations/Keynotes:** Hanson, Vicki L. "Computing for Humans." ACM ASSETS'14. ACM. Rochester, New York. 29 Oct. 2014. Keynote Speech.

**Published Conference Proceedings:** Medellin, A. Rolando, Chris Reed, and Vicki L. Hanson. "Older adults' Interaction with Broadcast Debates." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS'14). Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Stewart, Craig and Vicki L. Hanson. "Assisting Older Adults in Assessing the Reliability of Health-related Websites." Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'14). Ed. ACM. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Stewart, Craig D. and Vicki L. Hanson. "I'd Tap That! Providing Real-time Feedback on Roller Derby Skills." Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'14). Ed. ACM. New York, NY: ACM, 2014. Print.

**Invited Presentations/Keynotes:** Hanson, Vicki L. "The Human Side of Computing." ACM Conference of European Chapter Leaders (CECL). ACM Europe Council. Athens, Greece. 18 Sep. 2014. Address. Δ

**Invited Presentations/Keynotes:** Hanson, Vicki L. "Disability and Aging." Aging in Place. Computing Community Consortium & NIH Meeting. Bethesda, MD. 10 Sep. 2014. Address.

**Invited Presentations/Keynotes:** Hanson, Vicki L. "Lifelogging and Care Home Residents." Augmenting Human Memory- Capture and Recall in the Era of Lifelogging. Leibniz Center for Informatics seminar on Augmenting Human Memory. Dagstuhl, Germany. 2 Sep. 2014. Address. Δ

**Invited Article/Publication:** Hanson, Vicki L., Reyyan Ayfer, and Beverly Bachmayer. "European Women in Computing." Communications of ACM (CACM). (2014). Print.

**Invited Presentations/Keynotes:** Hanson, Vicki L. and Lesley McIntyre. "BESIDE: The Built Environment for Social Inclusion Through the Digital Economy." Fifth Annual Digital Economy All Hands Conference (DE2014). Research Councils, UK. London, UK. 3 Dec. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Dee, Marianne and Vicki L. Hanson. "A Pool of Representative Users for Accessibility Research: Seeing Through the Eyes of Users." Fifth Annual Digital Economy All Hands Conference (DE2014). Research Councils, UK. London, UK. 3 Dec. 2014. Conference Presentation.

**Published Conference Proceedings:** Trinh, Ha, et al. "Phoneme-based Predictive Text Entry Interface." Proceedings of the 16th international ACM SIGACCESS Conference on Computers & Accessibility. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Invited Presentations/Keynotes:** Montague, Kyle, Hugo Nicolau, and Vicki L. Hanson. "The Personal Touch: Supporting Interaction Abilities With Touchscreen Devices." The Digital Economy All Hands Conference DE|2014. Research Councils, UK. London, UK. 4 Dec. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Medellin, A. Rolando, Chris Reed, and Vicki L. Hanson. "Interaction with Broadcast Debates using Speech Recognition." The Digital Economy All Hands Conference DE 2014. Research Councils. London, UK. 4 Dec. 2014. Conference Presentation.

#### **Bruce Hartpence, Associate Professor**

**Published Conference Proceedings:** Hartpence, Bruce. "Curricular and Performance Measurement Challenges in Cloud Environments." Proceedings of the SIGITE. Ed. SIGITE. Atlanta, Georgia: n.p., 2014. Print. «

**Published Conference Proceedings:** Hartpence, Bruce, et al. "Meshed Tree Protocol for Faster Convergence in Switched Networks." Proceedings of the ICNS 2014. Ed. ICNS 2014. Chamonix, France: IARIA, 2014. Print. «

**Book Chapter:** Hartpence, Bruce. "Transmission Control Protocol." The Packet Guide to Core Network Protocols. Sebastopol, Ca: O'Reilly, 2014. 200-230. Print. ^

**Book Chapter:** Hartpence, Bruce. "User Datagram Protocol." The Packet Guide to Core Network Protocols. Sebastopol, Ca: O'Reilly, 2014. 230-255. Print. ^

**Edward Holden, Associate Professor**

**Published Conference Proceedings:** Tomaszewski, Brian, et al. "Contextualizing Social Media within Spatial, Temporal and Thematic Constraints for Disaster Situation Awareness." Proceedings of the Workshop on GeoVisual Analytics: Interactivity, Dynamics, and Scale @ GIScience 2014. Ed. GIScience. Vienna, Austria, Austria: GIScience, 2014. Web. \*

**Published Conference Proceedings:** Kang, Jai, Edward P. Holden, and Qi Yu. "Design of an Analytic Centric MS Degree in Information Sciences and Technologies." Proceedings of the SIG-ITE. Ed. ACM. Atlanta, GA: ACM, 2014. Web. \*

**Matt Huenerfauth, Associate Professor**

**Published Conference Proceedings:** Kacorri, Hernisa and Matt Huenerfauth. "Implementation and Evaluation of Animation Controls Sufficient for Conveying ASL Facial Expressions." Proceedings of the The 16th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS'14). Ed. Sri Kurniawan and John Richards. New York, NY: ACM Press, 2014. Web. \*

**Published Conference Proceedings:** Huenerfauth, Matt. "Learning to Generate Understandable Animations of American Sign Language." Proceedings of the The 2nd Annual Effective Access Technologies Conference. Ed. RIT. Rochester, NY: n.p., 2014. Web.

**Book Chapter:** Kacorri, Hernisa, Allen Harper, and Matt Huenerfauth. "Measuring the Perception of Facial Expressions in American Sign Language Animations with Eye Tracking." Universal Access in Human-Computer Interaction. Lecture Notes in Computer Science, Volume 8516. Cham, Switzerland: Springer International Publishing, 2014. 549-559. Web. \*

**Published Conference Proceedings:** Huenerfauth, Matt and Hernisa Kacorri. "Release of Experimental Stimuli and Questions for Evaluating Facial Expressions in Animations of American Sign Language." Proceedings of the The 6th Workshop on the Representation and Processing of Sign Languages: Beyond the Manual Channel, The 9th International Conference on Language Resources and Evaluation (LREC 2014), May 31, 2014, Reykjavik, Iceland. Ed. Nicoletta Calzolari et al. Paris, France: European Language Resources Association, 2014. Web. \*

**Journal Paper:** Lu, Pengfei and Matt Huenerfauth. "Collecting and Evaluating the CUNY ASL Corpus for Research on American Sign Language Animation." Computer Speech & Language 28. 3 (2014): 812831. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing, Volume 5, Issue 3. New York, NY: ACM, 2014. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing, Volume 5, Issue 4. New York, NY: ACM, 2014. Print. \*

**Jai W Kang, Associate Professor**

**Published Conference Proceedings:** Kang, Jai W., Edward P. Holden, and Qi Yu. "Design of an Analytic Centric MS Degree in Information Sciences and Technologies." Proceedings of the The 15th Annual Conference on Information Technology Education and The 3rd Annual Conference on Research in Information Technology, October 15-18, 2014, Atlanta, Georgia. Ed. Amber Settle, Terry Steinbach. New York, NY: ACM, 2014. Print. «



### **Jim Leone, Professor**

**Published Conference Proceedings:** Leone, Jim and Stephen Zilora. "A Mature Approach to Assessment." Proceedings of the 2014 ASEE Annual Conference. Ed. ASEE. Indianapolis, IN: n.p., 2014. Web. «

### **Sharon Mason, Associate Professor**

**Published Conference Proceedings:** Mason, Marchetti, et al. "Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach." Proceedings of the 2014 IEEE Frontiers in Education. Ed. Unknown. Madrid, Spain: n.p., 2014. Web. «

**Published Conference Proceedings:** Mason, Bailey M., L Clayton, and C S. Marchetti. "Transforming an Institution Using Data to Inform Creative Interventions." Proceedings of the 2014 ACM & Anita Borg Grace Hopper Celebration of Women in Computing. Ed. . Phoenix, AZ: n.p., 2014. Print. «

**Published Conference Proceedings:** S., Mason, et al. "Faculty Awards at a Large Private Institution: An Indicator of Evolving University Values?" Proceedings of the 2014 American Society for Engineering Education Annual Conference and Exposition. Ed. Unknown. Indianapolis, IN: n.p., 2014. Web. «

### **Judged National/International Competition**

**Award Winner:** Mason, Sharon. William Stackpole. Department of Defense Information Assurance Scholarship Program. Washington, DC, MD, 2014. £ ≠

### **Tae Oh, Associate Professor**

**Published Conference Proceedings:** Dutia, Shobhit, Youngho Kim, and Tae Oh. "Automated Input Generator for Android Applications." Proceedings of the Annual Symposium on Information Assurance 2014. Ed. ASIA 2014. Albany, New York: n.p., Web. \*

**Published Conference Proceedings:** Kushalnagar, Raja, Vignesh Ramachandran, and Tae Oh. "Tactile Captions: Augmenting Visual Captions." Proceedings of the 2014 International Conference on Computers Helping People with Special Needs. Ed. ICCHP 2014. Paris, France: n.p., Print. \*

**Published Conference Proceedings:** Paugh, Katie, Rick Mislán, and Tae Oh. "Virtual Malware Analysis Framework and Platform for Android." Proceedings of the 9th International Conference on Cyber Warfare and Security. Ed. ICCWS 2014. West Lafayette, Indiana: n.p., Print. \*

**Published Conference Proceedings:** Kim, Youngho and Tae Oh. "Analysis of Mobile Malware Based on the User Awareness." Proceedings of the SIGITE 2014. Ed. ACM. Atlanta, GA: n.p., 2014. Print. \*

**Invited Presentations/Keynotes:** Oh, T. "Cloud-based Malware Mitigation Prototype for Android." KOCSEA 2014. KOCSEA. Yorktown Heights, New York. 11 Dec. 2014. Conference Presentation. Δ

**Published Conference Proceedings:** Kushainagar, Raja, Vignesh Ramachandran, and Tae Oh. "Creating Tactile Captions: Augmeting Visual Captions." Proceedings of the UKC 2014. Ed. UKC. San Francisco, CA: n.p., Print. £

**Invited Presentations/Keynotes:** Stackpole, Bill, Tae Oh, and Rick Mislán. "Implementing Flipped Classroom Model in Mobile Device Security and Vulnerability Exploitation Course." The Colloquium for Information Systems Security Education 2014. CISSE. San Diego, CA. 17 Jun. 2014. Conference Presentation. \*

### **Nirmala Shenoy, Professor**

**Journal Paper:** Nozaki, Yoshihiro, et al. "Evaluation of Tiered Routing Protocol in Floating Cloud Tiered Internet Architecture." Communication Networks. (2014): 134-145. Print. \* £

**Invited Article/Publication:** Sharma, Kuhu, et al. "Meshed Tree Protocol for Faster Convergence in Switched Networks." International Conference on Network Services. (2014). Print. \* £

**Brian Tomaszewski, Assistant Professor**

**Published Conference Proceedings:** Tomaszewski, Brian, Joerg Szarzynski, and David Schwartz. "Serious Games for Disaster Risk Reduction Spatial Thinking." Proceedings of the Eighth International Conference on Geographic Information Science (GIScience 2014). Ed. Andrew U. Frank. Vienna, Austria: n.p., 2014. Web. «

**Published Conference Proceedings:** Tomaszewski, Brian, et al. "Visually Contextualizing Social Media within Spatial, Temporal and Thematic Constraints for Disaster Situation Awareness." Proceedings of the Workshop on GeoVisual Analytics: Interactivity, Dynamics, and Scale @ GIScience 2014. Ed. Gennady Andrienko. Vienna, Austria: n.p., 2014. Web. \*

**Published Conference Proceedings:** Al-nabhan, Ahmed and Brian Tomaszewski. "INSAR: Indoor Navigation System using Augmented Reality." Proceedings of the 6th ACM SIGSPATIAL International Workshop on Indoor Spatial Awareness (ISA). Ed. Sisi Zlatanova. Dallas, Texas: n.p., 2014. Web. \*

**Published Conference Proceedings:** Mathews, Alyssa, et al. "Disaster Risk Reduction Spatial Thinking: A Serious Games Approach." Proceedings of the 11th International Conference of the International Association For The Study Of Information Systems For Crisis Response And Management (ISCRAM). Ed. Andrea Tapia. State College, PA: n.p., 2014. Print. «

**Journal Paper:** Ebner, Jacqueline and Brian Tomaszewski. "Rochester Institute of Technology Food Waste Resource Locator." ArcUser 17. 1 (2014): 18-19. Print. £ ^

**Invited Presentations/Keynotes:** Tomaszewski, Brian. "Crisis Maps, Mapping and Spatial Thinking." 6th Annual International Conference of Crisis Mappers. Crisis Mappers. New York, NY. 7 Nov. 2014. Conference Presentation. \* Δ

**Invited Presentations/Keynotes:** Tomaszewski, Brian, Jules Maurice Mupenzi Karasira, and Anthony Vodacek. "Teaching Spatial Thinking in Rwanda with Free and Open Source GIS." Esri Education GIS Conference. Esri. San Diego, CA. 20 Jul. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Tomaszewski, Brian. "20th Anniversary of Rwandan Genocide." Good Day Rochester. 13WHAM ABC TV. Rochester, NY. 7 Apr. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Tomaszewski, Brian. "GIS for the GIS: Opportunities and Applications." Golisano Institute for Sustainability Seminar Series. RIT. Rochester, NY. 3 Mar. 2014. Guest Lecture.

**Ronald P Vullo, Associate Professor**

**Invited Article/Publication:** Vullo, Ronald P. "Your Business Doesn't Need a Mobile Site." Democrat & Chronicle. (2014). Web.

**Invited Article/Publication:** Vullo, Ronald P. "Using a Liquid Layout Approach for Mobile Site." Democrat & Chronicle. (2014). Print.

**Published Conference Proceedings:** P., Vullo Ronald, et al. "Blending Art and Technology: Two Courses and Some MAGIC." Proceedings of the International Conference on Frontiers in Education: Computer Science and Computer Engineering. Ed. Hamid R. Arabnia, et al. Las Vegas, NV: n.p., 2014. Print. «

**Elissa Weeden, Associate Professor**

**Invited Article/Publication:** Weeden, Elissa and Kathryn L. Schmitz. "Web Conferencing Technology: Fostering Inclusive Course Experiences for Students Who are Deaf and Hard of Hearing." Volta Voices. (2014). Web. Δ

**Michael Yacci, Professor**

**Invited Presentations/Keynotes:** Yacci, Michael and James Foley. "Exploring the Computing Exploration Program." Assessment Network of New York, Second Annual Conference. Assessment Network of New York (ANNY). Rochester, NY. 28 Apr. 2014. Conference Presentation. £

**Qi Yu, Associate Professor**

**Published Conference Proceedings:** Guo, Xuan, et al. "Infusing Perceptual Expertise and Domain Knowledge into a Human-centered Image Retrieval System: A Prototype Application." Proceedings of the ETRA 2014. Ed. Pernilla Qvarfordt and Dan Witzner Hansen. Safety Harbor, FL: ACM, Print. \* £

**Published Conference Proceedings:** Guo, Xuan, et al. "Fusing Multimodal Human Expert Data to Uncover Hidden Semantics." Proceedings of the Gazeln@ICMI 2014. Ed. Hung-Hsuan Huang, et al. Istanbul, Turkey: ACM, Print. \* £

**Published Conference Proceedings:** Bullard, Joseph, et al. "Towards Multimodal Modeling of Physicians' Diagnostic confidence and Self-awareness Using Medical Narratives." Proceedings of the COLING 2014. Ed. Jan Hajic and Junichi Tsujii. Dublin, Ireland: ACL, 2014. Print. \* £

**Published Conference Proceedings:** Wang, Hongbing, et al. "Integrating On-policy Reinforcement Learning with Multi-agent Techniques for Adaptive Service Composition." Proceedings of the ICSOC 2014. Ed. Xavier Franch, et al. Paris, France: Springer, Print. \* £

**Published Conference Proceedings:** Wang, Hongbing, et al. "Adaptive and Dynamic Service Composition via Multi-agent Reinforcement Learning." Proceedings of the ICWS 2014. Ed. David De Roure, Bhavani Thuraisingham, and Jia Zhang. Anchorage, Alaska: IEEE, Print. \* £

**Published Conference Proceedings:** Wang, Hongbing, et al. "A Novel Online Reliability Prediction Approach for Service-Oriented Systems." Proceedings of the ICWS 2014. Ed. David De Roure, Bhavani Thuraisingham, and Jia Zhang. Anchorage, Alaska: IEEE, Print. \* £

**Journal Paper:** Guo, Xuan, et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Image Understanding." Artificial Intelligence in Medicine 62. 2 (2014): 79-90. Print. \* £

**Journal Paper:** Yu, Qi. "QoS-aware Service Selection via Collaborative QoS Evaluation." World Wide Web 17. 1 (2014): 33-57. Print. \* £

**Invited Presentations/Keynotes:** Yu, Qi. "Big Data Analytics In Service Computing." S&T Seminars. University of Rochester. Rochester, NY. 25 Apr. 2014. Lecture.

**Invited Presentations/Keynotes:** Yu, Qi. "On Large-scale Service Clustering: Sparse Learning and Probabilistic Modeling." RMIT Workshop in Service Computing. RMIT. Melbourne, VIC. 8 Dec. 2014. Lecture.

**Book Chapter:** Yu, Qi. "On Bootstrapping Web Service Recommendation." Web Services Foundations. Ed. Athman Bouguettaya, Quan Z. Sheng, and Florian Daniel. New York, NY: Springer, 2014. 589-608. Print. \* £

**Published Conference Proceedings:** Hochberg, Limor, et al. "Towards Automatic Annotation of Clinical Decision-Making Style." Proceedings of the The 8th Linguistic Annotation Workshop. Ed. Lori Levin and Manfred Stede. Dublin, Ireland: n.p., Print. \* £

**Published Conference Proceedings:** Kang, Jai W, Edward P Holden, and Qi Yu. "Design of an Analytic Centric MS Degree in Information Sciences and Technologies." Proceedings of the SIGITE '14 Proceedings of the 15th Annual Conference on Information technology education. Ed. Rob Friedman and Ken Baker. Atlanta, Georgia: ACM, 2014. Print. \* £

**Steve Zilora, Associate Professor**

**Published Conference Proceedings:** Zilora, Stephen and Jim Leone. "A Mature Approach to Assessment." Proceedings of the 2014 ASEE Annual Conference. Ed. ASEE. Indianapolis, IN: n.p., 2014. Web. «

*PhD Program*

**Anne Haake, Professor**

**Journal Paper:** Guo, Xuan, et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Image Understanding." *Artificial Intelligence in Medicine* 62. 2 (2014): 79-90. Print. «

**Published Conference Proceedings:** Guo, Xuan, et al. "Fusing Multimodal Human Expert Data to Uncover Hidden Semantics." Proceedings of the GazeIn '14 7th Workshop on Eye Gaze in Intelligent Human Machine Interaction: Eye-Gaze & Multimodality. Ed. ACM. New York, NY: n.p., Web. «

**Published Conference Proceedings:** Guo, Xuan, et al. "Infusing Perceptual Expertise and Domain Knowledge into a Human-Centered Image Retrieval System: A Prototype Application." Proceedings of the Eye Tracking Research and Application. Ed. ACM. New York, NY: n.p., Web. «

**Published Conference Proceedings:** Vaidyanathan, Preethi, et al. "Recurrence Quantification Analysis Reveals Differences in Eye-Movement Behavior Between Expert and Novice Dermatologists." Proceedings of the Eye Tracking Research and Application. Ed. AM. New York, NY: n.p., Web. «

**Published Conference Proceedings:** Hochberg, Limor, et al. "Towards Automatic Annotation of Clinical Decision-Making Style." Proceedings of the 8th Linguistic Annotation Workshop at COLING. Ed. Lori Levin and Manfred Stede. Stroudsburg, PA: aclweb.org, Web. «

**Pengcheng Shi, Professor**

**Journal Paper:** Liu, H., P. Shi, and Y. Chen. "Integrative Approaches in Computational Biomedical Imaging." *Computational and Mathematical Methods in Medicine*. (2014): 757380. Web. Δ

**Journal Paper:** Liu, H., et al. "Nonlinear Dual Reconstruction of SPECT Activity and Attenuation Images." *PLoS One* 9. 9 (2014): e106951. Web. \*

**Journal Paper:** Guo, X., et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Image Understanding." *Artificial Intelligence in Medicine* 62. 2 (2014): 79-90. Print. \*

**Published Conference Proceedings:** Guo, X., et al. "Infusing Perceptual Expertise and Domain Knowledge into a Human-centered Image Retrieval System: A Prototype Application." Proceedings of the Eye Tracking Research and Applications (ETRA), Safety Harbour, Florida, March, 2014. Ed. P. Qvarfordt and D. W. Hansen. New York, NY: ACM, 2014. Print. «

**Published Conference Proceedings:** Vaidyanathan, P., et al. "Recurrence Quantification Analysis Reveals Eye-movement Behavior Differences Between Experts and Novices." Proceedings of the Eye Tracking Research and Applications (ETRA), Safety Harbour, Florida, March, 2014. Ed. P. Qvarfordt and D. W. Hansen. New York, NY: ACM, 2014. Print. «

**Published Conference Proceedings:** Mao, H., et al. "Understanding Embryonic Heart Morphogenesis Through Automatic Segmentation and Confocal Imaging with Optical Clearing." Proceedings of the IEEE International Symposium on Biomedical Imaging: Nano to Macro (ISBI), Beijing, April, 20014. Ed. J. Tian and L. Blanc-Fraud. Beijing, China: IEEE, 2014. Print. «

**Published Conference Proceedings:** Bullard, J., et al. "Towards Multimodal Modeling of Physicians' Diagnostic confidence and Self-awareness Using Medical Narratives." Proceedings of the 25th International Conference on Computational Linguistics (COLING), Dublin, Ireland, August, 2014. Ed. J. Hajic and J. Tsujii. Dublin, Ireland: ACL, 2014. Print. \*

**Published Conference Proceedings:** Wang, C., et al. "Low Dose PET Reconstruction with Total Variation Regularization." Proceedings of the IEEE International Conference of the Engineering in Biology and Medicine Society (EMBC), Chicago, August, 2014. Ed. J. Duerk and J. Ji. Chicago, IL: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Elshrif, M. M., P. Shi, and E. M. Cherry. "Electrophysiological Properties Under Heart Failure Conditions in a Human Ventricular Cell: A Modeling Study." Proceedings of the IEEE International Conference of the Engineering in Biology and Medicine Society (EMBC), Chicago, IL August, 2014. Ed. J. Duerk and J. Ji. Chicago, IL: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Elshrif, M. M., E. M. Cherry, and P. Shi. "Quantitative Analysis of Rate Dependent of Human Heart Failure Action Potential Model on Alternans Onset and Arrhythmias." Proceedings of the Computing in Cardiology (CinC), Cambridge, September, 2014. Ed. R. Mark. Cambridge, MA: IEEE, 2014. Web. \*

**Published Conference Proceedings:** Elshrif, M. M., E. M. Cherry, and P. Shi. "Quantitative Analysis of Electrophysiological Ventricular Heart Failure Cell Model in 1D Tissue." Proceedings of the Biomedical Engineering Society Annual Meeting (BMES), San Antonio, September, 2014. Ed. J. A. White and S. Margulies. San Antonio, TX: BMES, 2014. Web. \*

**Journal Editor:** Shi, Pengcheng, ed. Computational and Mathematical Methods in Medicine. New York: Hindawi, 2014. Web. «

**Journal Editor:** Ayache, N. and J. Duncan, ed. Medical Image Analysis. Maryland Heights, MO 63043: Elsevier, 2014. Print. \*

#### **Linwei Wang, Assistant Professor**

**Journal Paper:** Xu, Jingjia, et al. "Noninvasive Transmural Electrophysiological Imaging Based on Minimization of Total-Variation Functional." IEEE Transactions on Medical Imaging 33. 9 (2014): 1860-1874. Print. \*

**Journal Paper:** Rahimi, Azar, Jingjia Xu, and Linwei Wang. "Hierarchical Multiple-Model Bayesian Approach to Transmural Electrophysiological Imaging." Medical Image Computing and Computer-Assisted Intervention 8674. (2014): 538-545. Print. «

**Journal Paper:** Xu, Jingjia, et al. "Variational Bayesian Electrophysiological Imaging of Myocardial Infarction." Medical Image Computing and Computer-Assisted Intervention 8674. (2014): 529-537. Print. «

**Journal Paper:** Xu, Jingjia, et al. "Total-Variation Minimization on Unstructured Volumetric Mesh: Biophysical Application on Reconstruction of 3D Ischemic Myocardium." Computer Vision and Pattern Recognition. (2014): 3043-3050. Web. «

**Journal Paper:** Rahimi, Azar, Jingjia Xu, and Linwei Wang. "Multiple-Model Bayesian Approach to Volumetric Imaging of Cardiac Current Sources." IEEE International Conference on Image Processing. (2014): 3522-3526. Web. \*

**Journal Paper:** Rahimi, Azar, Jingjia Xu, and Linwei Wang. "Electrophysiological Imaging of Volumetric Infarct Border Using a Spatio-Temporal Lp-Norm Constraint." IEEE International Symposium on Biomedical Imaging. (2014): 612-615. Web. \*

**Journal Paper:** Mao, Hongda, et al. "Understanding Embryonic Heart Morphogenesis Through Automatic Segmentation and Confocal Imaging with Optimal Clearing." IEEE International Symposium on Biomedical Imaging. (2014): 1303-1306. Web. \*

**External Scholarly Fellowships:**

6/1/2014-  
5/31/2019  
National Science Foundation  
Amount: 446143  
\*

**External Scholarly Fellowships:**

11/12/2014-  
10/31/2016  
National Institutes of Health  
Amount: 418602  
\*

**Journal Editor:** Wang, Linwei, Heye Zhang, and Vicky Wang, ed. Computational and Mathematical Methods in Medicine. NA: Hindawi, 2014. Web.

**Invited Presentations/Keynotes:** Wang, Linwei. "Noninvasive Transmural Electrophysiological Imaging of Myocardial Infarction." STAFF Symposium. STAFF. Boston, MA. 15 Sep. 2014. Keynote Speech.

*School of Interactive Games and Media*

**Adrienne Decker, Assistant Professor**

**Book Chapter:** McGill, Monica M, Adrienne Decker, and Amber Settle. "A Framework for Addressing Gender Imbalance in the Game Industry through Outreach." Gender Considerations and Influence in the Digital Media and Gaming Industry. Ed. Julie Prescott and Julie Elizabeth McGurren. Hershey, PA: IGI Global, 2014. 186-205. Print. £

**Published Conference Proceedings:** Decker, Adrienne, Christopher Egert, and Stephen Jacobs. "Throwing Out the First Pitch." Proceedings of the Proceedings of the 2014 Frontiers in Education Conference. Ed. FIE. Madrid, Spain: FIE, 2014. Print. «

**Published Conference Proceedings:** Simkins, David, et al. "Martha Madison: Marvelous Machines: Exploring Simple Machines in an Open-Ended, Collaborative Sandbox." Proceedings of the 2014 Frontiers in Education Conference. Ed. FIE. Madrid, Spain: n.p., 2014. Print. «

**Journal Editor:** Dougherty, John D., et al, ed. Proceedings of the 45th ACM Technical Symposium on Computer Science Education. New York: ACM, 2014. Print. «

**Gordon I Goodman, Professor**

**Invited Presentations/Keynotes:** Goodman, Gordon, Jorg Muller Lietzkow, and Jason Della Rocca. "Games Design and Development Programs in North America Compared with Germany." GAMESCON 2014. GAMESCON (Germany)-Koelnmesse. Cologne, Germany, DE. 13 Aug. 2014. Conference Presentation.

**W Michelle Harris, Associate Professor**

**Invited Presentations/Keynotes:** Harris, W. Michelle. "Learn Creative Coding: Begin Programming with the Processing Language." Long Beach Indie Digital Edutainment Conference. Long Beach Indie Festival. Long Beach, CA. 30 Aug. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Harris, W. Michelle, Janelle Hobson, and Janine Lewis. "Big Question Roundtable: Community Building via Technology." Long Beach Indie Digital Edutainment Conference. Long Beach Indie Festival. Long Beach, CA. 30 Aug. 2014. Conference Presentation. £

**David W Simkins, Assistant Professor**

**Published Conference Proceedings:** Simkins, David, et al. "Martha Madison: Marvelous Machines: Exploring Simple Machines in an Open-Ended, Collaborative Sandbox." Proceedings of the Frontiers in Education 2014. Ed. M. Castro and E. Tovar. Madrid, Spain: n.p., 2014. Print. «

**Published Conference Proceedings:** Goodman, Gordon and David Simkins. "Updating Aristotle, Freytag, and Campbell with Lakoff and Frames: Designing Interactive Narratives in Games." Proceedings of the Frontiers in Education 2014. Ed. M. Castro and E. Tovar. Madrid, Spain: n.p., 2014. Print. «

**Published Conference Proceedings:** Simkins, David, et al. "Gone Home: Playful narratives and Classroom (De)Constructions of Contemporary Culture." Proceedings of the Games+Learning+Society. Ed. A. Ochsner, et al. Pittsburgh, PA: ETC Press, 2014. Print. «

**Published Conference Proceedings:** Simkins, David. "Designing Beyond the Game: Leveraging Games to Teach Designers About Interaction, Immersion, and Ethical Perspective." Proceedings of the Games+Learning+Society. Ed. A. Ochsner, et al. Pittsburgh, PA: ETC Press, 2014. Print. «

*Software Engineering*

**Daniel Krutz, Lecturer**

**Published Conference Proceedings:** Krutz, Daniel E. and Wei Le. "A Code Clone Oracle." Proceedings of the 11th Working Conference on Mining Software Repositories. Ed. Unknown. New York, NY: ACM, 2014. Print. ^

**Published Conference Proceedings:** Krutz, Daniel, Samuel Malachowsky, and Tom Reichlmayr. "Using a Real World Project in a Software Testing Course." Proceedings of the SIGCSE '14 45th ACM Technical Symposium on Computer Science Education. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Stephanie Ludi, Professor**

**Invited Article/Publication:** Ludi, Stephanie. "Towards Improving Access to Math and Science Lecture Material for Visually Impaired Students via iOS Support: a Convergence of the Student, Instructor, and Classroom." SIGASSETS. (2014). Web. Δ

**Journal Paper:** Ludi, Stephanie. "Robotics Programming Tools for Blind Students." Journal on Technology and Persons with Disabilities. CSUN Center on Disabilities. (2014): 81-91. Web. \*

**Published Conference Proceedings:** Khanifer, Abdulhrman Al and Stephanie Ludi. "Towards a Situation Awareness Design to Improve Visually Impaired Orientation in Unfamiliar Buildings: Requirements Elicitation Study." Proceedings of the International Requirements Engineering Conference (RE). Ed. Unknown. New York, NY: ACM, Print. \*

**Published Conference Proceedings:** Ludi, Stephanie, Michael Timbrook, and Piper Chester. "A Tablet-based Approach to Facilitate the Viewing of Classroom Lecture by Low Vision Students." Proceedings of the 14th International Conference on Computers Helping People with Special Needs. Ed. Unknown. New York, NY: Springer, 2014. Print. \*

**Published Conference Proceedings:** Ludi, Stephanie, Michael Timbrook, and Piper Chester. "Tablet-based Braille Entry via a Framework Promoting Custom Finger Spacing." Proceedings of the 14th International Conference on Computers Helping People with Special Needs. Ed. Unknown. New York, NY: Springer, 2014. Print. \*

**Published Conference Proceedings:** Ludi, Stephanie, Lindsey Ellis, and Scott Jordan. ") An Accessible Robotics Programming Environment for Visually Impaired Users." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS). Ed. Unknown. New York, NY: ACM, 2014. Web. \*

**Published Conference Proceedings:** Ludi, Stephanie, Michael Timbrook, and Piper Chester. "AccessBraille: Tablet-based Braille Entry." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. Unknown. New York, NY: ACM, 2014. Web. \*

**Published Conference Proceedings:** Khanifer, Abdulhrman Al and Stephanie Ludi. "Visually Impaired Orientation Techniques in Unfamiliar Indoor Environments: A User Study." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. Unknown. New York, NY: ACM, 2014. Web. \*

**Published Conference Proceedings:** Castellanos, Kenny, Stephanie Ludi, and Richard Zanibbi. "Using Off-line Features and Synthetic Data for On-line Handwritten Math Symbol Recognition." Proceedings of the International Conference of Frontiers in Handwriting Recognition. Ed. Unknown. New York, NY: n.p., 2014. Print. \*

#### **Samuel A Malachowsky, Lecturer**

**Published Conference Proceedings:** Malachowsky, Samuel, Tom Reichlmayr, and Daniel Krutz. "Using a Real World Project in a Software Testing Course." Proceedings of the SIGCSE '14 45th ACM Technical Symposium on Computer Science Education. Ed. Unknown. New York, NY: ACM, 2014. Print.

#### **Andy Meneely, Assistant Professor**

**Published Conference Proceedings:** Meneely, Andrew, et al. "An Empirical Investigation of Socio-technical Code Review Metrics and Security Vulnerabilities." Proceedings of the SSE 2014 6th International Workshop on Social Software Engineering. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Meneely, Andrew, et al. "An Empirical Investigation of Socio-technical Code Review Metrics and Security Vulnerabilities." Proceedings of the 6th International Workshop on Social Software Engineering. Ed. Unknown. New York, New York: ACM, 2014. Print.

#### **Mehdi Mirakhorli, Assistant Professor**

**Published Conference Proceedings:** Mirakhorli, Mehdi and Robert S. Hanmer. "Mining New Patterns by Learning from the Trenches." Proceedings of the ACM PLoP 2014. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Mirakhorli, Mehdi, et al. "Archie: A Tool for Detecting, Monitoring, and Preserving Architecturally Significant Code." Proceedings of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Published Conference Proceedings:** Mirakhorli, Mehdi, Jane Cleland-Huang, and Muhammad Ali Babar. "An Inverted Classroom Experience: Engaging Students in Architectural Thinking for Agile Projects." Proceedings of the ICSE Companion 2014 36th International Conference on Software Engineering. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Invited Presentations/Keynotes:** Mirakhorli, Mehdi. "Common Architectural Weaknesses." Software and Supply Chain Assurance Working Group. MITRE. McLean, VA. 1 Jan. 2014. Guest Lecture.



**Published Conference Proceedings:** Mirakhorli, Mehdi, Mona Rahimi, and Jane Cleland-Huang. "Automated Extraction and Visualization of Quality Concerns from Requirements." Proceedings of the 22nd IEEE International Requirements Engineering Conference. Ed. Unknown. Karlskrona, Sweden: IEEE, 2014. Print.

**Invited Presentations/Keynotes:** Mirakhorli, Mehdi. "Identifying and Protecting Architecturally Significant Code." Architecture Technology User Network (SATURN) Conference. Software Engineering Institute (SEI). Portland, OR. 1 May 2014. Guest Lecture. Δ

**Book Chapter:** Mirakhorli, Mehdi, Adam Czauderna, and Jane Cleland Huang. "Driving Architectural Design and Preservation from a Persona Perspective in Agile Projects." Agile Software Architecture. Ed. Muhammad Ali Babar, Ivan Mistrik, and Alan Brown. Chicago, IL: DePaul University, 2014. Unknown. Print.

#### **Meiyappan Nagappan, Assistant Professor**

**Journal Paper:** Nagappan, Meiyappan, et al. "Replicating and Re-evaluating the Theory of Relative Defect-Proneness." Software Engineering, IEEE Transactions on 41. 2 (2014): 176-197. Print.

**Journal Paper:** Nagappan, Meiyappan, et al. "Large-Scale Empirical Study of the Relationship Between Build Technology and Build Maintenance." Empirical Software Engineering. (2014): forthcoming. Print.

**Journal Paper:** Nagappan, Meiyappan, et al. "On Ad Library Updates in Android Apps." IEEE Software. (2014): forthcoming. Print.

**Journal Paper:** Nagappan, Meiyappan, et al. "An Empirical Study on the Relationship between the Number." IEEE Software. (2014): forthcoming. Print.

**Journal Paper:** Nagappan, Meiyappan, et al. "Studying the Relationship Between Source Code Quality and Mobile Platform Dependence." Software Quality Journal. (2014): forthcoming. Print.

**Journal Paper:** Nagappan, Meiyappan, et al. "What Do Mobile App Users Complain About? A Study on Free iOS Apps." Software, IEEE PP. 99 (2014): 1. Print.

**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "Prioritizing the Devices to Test Your App on: A Case Study of Android Game Apps." Proceedings of the 22nd ACM SIGSOFT International Symposium on the Foundations of Software Engineering. Ed. Unknown. Hong Kong, China: ACM, 2014. Print.

**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "Understanding Log Lines Using Development Knowledge." Proceedings of the 30th IEEE International Conference on Software Maintenance and Evolution. Ed. Unknown. Victoria, British Columbia: IEEE, 2014. Print.

**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "Mining CoChange Information to Understand when Build Changes are Necessary." Proceedings of the 30th IEEE International Conference on Software Maintenance and Evolution. Ed. Unknown. Victoria, British Columbia: IEEE, 2014. Print.

**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "An Empirical Study of Dormant Bugs." Proceedings of the 11th ACM/IEEE Working Conference on Mining Software Repositories. Ed. Unknown. Hyderabad, India: ACM, 2014. Print.



**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "An Industrial Case Study of Automatically Identifying Performance Regression-Causes." Proceedings of the 11th ACM/IEEE Working Conference on Mining Software Repositories. Ed. Unknown. Hyderabad, India: ACM, 2014. Print.

**Published Conference Proceedings:** Nagappan, Meiyappan, et al. "Continuous Validation of Load Test Suites." Proceedings of the 5th ACM/SPEC International Conference on Performance Engineering. Ed. Unknown. Dublin, Ireland: ACM, 2014. Print.

**Invited Presentations/Keynotes:** Nagappan, Meiyappan. "Big(ger) Data in Software Engineering." Guest Lecture. MSR Asia. Tokyo, Japan. 1 Nov. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Nagappan, Meiyappan. "Analytics on Ad Library Maintenance in Android Apps." Dagstuhl Seminar 14261 Software Development Analytics. Guest Lecture. Dagstuhl, Germany. 1 Jun. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Nagappan, Meiyappan. "Big(ger) Data in Software Engineering." Guest Lecture. IIT Madras. Chennai, India. 1 Jun. 2014. Guest Lecture.

#### **Tom Reichlmayr, Associate Professor**

**Published Conference Proceedings:** Reichlmayr, Thomas, Daniel Krutz, and Samuel Malachowsky. "Using a Real World Project in a Software Testing Course." Proceedings of the SIGCSE '14 45th ACM Technical Symposium on Computer Science Education. Ed. Unknown. New York, NY: ACM, 2014. Print.

**Invited Presentations/Keynotes:** Reichlmayr, Tom. "Scrum Transitions." Guest Lecture. Rochester Democrat & Chronicle. Rochester, NY. 1 Apr. 2014. Guest Lecture. Δ

#### **James Vallino, Professor**

**Journal Paper:** Lukowiak, Marcin, et al. "Cybersecurity Education: Bridging the Gap Between Hardware and Software Domains." ACM Transactions on Computing Education (TOCE) 14. 1 (2014): forthcoming. Print.

**Published Conference Proceedings:** Vallino, James. "Ownership of Artifacts and Intellectual Property for Software-Intensive Capstone Design Projects." Proceedings of the 2014 Capstone Design Conference. Ed. Unknown. Columbus, OH: n.p., 2014. Print.

**Journal Paper:** Lutz, Michael J., J. Fernando Naveda, and James R. Vallino. "Undergraduate Software Engineering." ACM 57. 8 (2014): 52-58. Print. ^

**Journal Paper:** Lutz, Michael J., J. Fernando Naveda, and James R. Vallino. "Undergraduate Software Engineering: Addressing the Needs of Professional Software Development." Queue 12. 6 (2014): 30. Print. ^

**Invited Presentations/Keynotes:** Vallino, James. "Intellectual Property." 2014 Capstone Design Conference. n/a. Columbus, OH. 2 Jun. 2014. Lecture. Δ

*Civil Engineering Technology, Environmental Management & Safety*

## **Amanda Bao, Assistant Professor**

**Journal Paper:** Bao, Amanda (Yu). "Developing a Rating Metric for Sustainable Bridges." *The Rochester Engineer*. October 2014 (2014): 8-9. Web. \*

**Published Conference Proceedings:** Bao, Amanda (Yu) and Joshua Lawrence, Van Hopson, Matt Puzio. "Optimization of Bridge Deep Foundation Design in Seismic and Tsunami Zone." *Proceedings of the 2014 Structures Congress*. Ed. Glenn R. Bell, Matt A. Card. Boston, MA: ASCE Press, 2014. Web. \*

**Invited Presentations/Keynotes:** Bao, Amanda (Yu). "Optimization of Bridge Deep Foundation Design in Seismic and Tsunami Zone." *2014 Structures Congress*. American Society of Civil Engineers. Boston, MA. 4 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Bao, Amanda (Yu). "Enhancing Deaf Students Learning in Engineering Disciplines by Implementing Screencast Technology." *STEM in Urban Education Conference*. Terra Education. Syracuse, NY. 10 Oct. 2014. Conference Presentation. \*

## **Md Abdullah al Faruque, Assistant Professor**

**Journal Paper:** Faruque, Md Abdullah Al, et al. "Open Channel Flow Velocity Profiles for Different Reynolds Numbers and Roughness Conditions." *International Journal of Research in Engineering and Technology* 3. 1 (2014): 400-405. Print. \*

**Journal Paper:** Faruque, Md Abdullah Al and Frank Hanna. "Scour Causes by Three-Dimensional Submerged Square Wall Jet: Sand Deposition in Scour Hole and Ridge." *International Journal of Emerging Technology and Advanced Engineering* 4. 7 (2014): 1-6. Web. \*

**Published Conference Proceedings:** Faruque, Md Abdullah Al and Ram Balachandar. "Prediction of Scour Profile Caused by Submerged Three-Dimensional Wall Jets." *Proceedings of the XII International Conference on Theoretical and Computational Mechanics (ICTCM 2014)*, held on December 25th and 26th, 2014, Dubai, UAE. Ed. WASET. Dubai, Dubai: World Academy of Science, Engineering and Technology, 2014. Print. \*

**Journal Paper:** Faruque, M.A.A., et al. "Open Channel Flow Velocity Profiles for Different Reynolds Numbers and Roughness Conditions." *International Journal of Research in Engineering and Technology* 3. 1 (2014): 400-405. Print. £

**Journal Paper:** Faruque, M.A.A. and F. Hanna. "Scour Causes by Three-Dimensional Submerged Square Wall Jet: Sand Deposition in Scour Hole and Ridge." *International Journal of Emerging Technology and Advanced Engineering* 4. 7 (2014): 1-6. Print. £

**Invited Presentations/Keynotes:** Faruque, Md Abdullah Al. "Turbulent Bursting in Open Channel Flow with Seepage." *The CSCE (Canadian Society for Civil Engineering) Annual Conference*. Canadian Society for Civil Engineering. Halifax, Nova Scotia, Canada. 29 May 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Faruque, Md Abdullah Al. "Prediction of Scour Profile Caused by Submerged Three-Dimensional Wall Jets." XII International Conference on Theoretical and Computational Mechanics (ICTCM 2014). World Academy of Science, Engineering and Technology (WASET). Dubai, Dubai, UAE. 25 Dec. 2014. Conference Presentation. \*

**Lisa L Greenwood, Lecturer**

**Invited Article/Publication:** Greenwood, Lisa. "ISO 14001 Continual Improvement Survey 2013- Final Report and Analysis." International Organization for Standardization (ISO). (2014). Web.

**Frank Hanna, Associate Professor**

**Journal Paper:** Hanna, Frank and Jeremy Kaufmann. "Factors That Influence The Success of HSR Stations." International Journal of Research in Engineering & Technology (IJRET) 4. 7 (2014): 1-7. Web. \*

**Journal Paper:** Hanna, Frank and Jeremy Kaufmann. "The Growth of HSR Networks Around The World." Journal of Research in Engineering & Technology (IJRET) 3. 8 (2014): 119-124. Web. \*

**Journal Paper:** M.A.A., Faruque, and Frank Hanna. "Scour Causes by Three-Dimensional Submerged Square Wall Jet: Sand Deposition in Scour Hole and Ridge." International Journal of Emerging Technology and Advanced Engineering 4. 7 (2014): 1-6. Web. \*

**Jeffrey W Rogers, Associate Professor**

**Published Conference Proceedings:** Rogers, Jeffrey W and Sultan Alraddadi. "Do Green Buildings Perform as Designed: A Case Study of the First LEEDNC Gold Certified Building at RIT?" Proceedings of the IFMA Academic & Research Track, 2014 Annual Conference. Ed. Wayne Veneklasen, PhD, CFM. New Orleans, LA: International Facilities Management Association Foundation, 2014. Web. «

**Journal Paper:** Rogers, Jeffrey and Sultan Alraddadi. "Do Green Buildings Perform as Designed: A Case Study of the First LEEDNC Gold Certified Building at RIT?" International Journal Of Facility Management 5. 2 (2014): 1-12. Web. «

**Joseph Rosenbeck, Professor**

**Journal Paper:** Knott, Michael G., Joseph Rosenbeck, and Michael Burnham. "Sustainability: The Role of SH and E Professionals." Professional Safety Vol 59 No 9. September (2014): 35-41. Print. «

**Jennifer Schneider, Professor**

**Journal Paper:** Schneider, Jennifer, et al. "Towards Sustainability in the Oil and Gas Sector: Benchmarking of Environmental, Health, and Safety Efforts." Journal of Environmental Sustainability 3. 3 (2014): 1-17. Web. \*

**Journal Paper:** Long, Micheal, et al. "The Relationship Between Social and Hierarchical Communication Networks in Rural Emergency Response." International Journal of Emergency Manegement 10. 2 (2014): 122-134. Print. \*

**Published Conference Proceedings:** Martinez-Moyano, Ignacio, John Hummel, and Jennifer Schneder. "Community Resileince & the Role Played by Critical Infrastructure." Proceedings of the Disaster Resilience Conference, Denver, 8/20/2014. Ed. Unknown. Denver, CO: n.p., 2014. Web. \*

**Invited Presentations/Keynotes:** Schneider, Jennifer and Carol Romanowski. "Critical Infrastrecture: Data & Risk Analysis." April 2014. Military Operations Research Center/ Argonne National Lab. Chicago, IL. 24 Apr. 2014. Address.

**Scott B Wolcott, Professor**

**Journal Paper:** M.A.A., Faruque, and Wolcott, S., Goldowitz, J., & Wolcott, T. "Open Channel Flow Velocity Profiles for Different Reynolds Numbers and Roughness Conditions." International Journal of Research in Engineering and Technology. 3. 1 (2014): 400-405. Web. \*





## Featured Faculty

**JENNIFER SCHNEIDER** IS MCCARTHY CHAIR AND PROFESSOR IN THE DEPARTMENT OF CIVIL ENGINEERING TECHNOLOGY, ENVIRONMENTAL MANAGEMENT & SAFETY AT RIT. SHE FOUNDED AND LEADS THE COLLABORATORY FOR RESILIENCY & RECOVERY AT RIT: [HTTP://WWW.RIT.EDU/CAST/CRR/](http://www.rit.edu/cast/crr/). SHE WAS HONORED AS THE RIT BOARD OF TRUSTEES SCHOLAR AWARD IN 2014. PRIOR TO COMING TO RIT, DR. SCHNEIDER WORKED WITHIN CORPORATE EHS FOR KODAK, MOBIL AND ITT/GOULDS, WHERE SHE HONED HER TECHNICAL MANAGEMENT AND CRISIS RESPONSE SKILLS. SHE ALSO HAS SERVED ON THE LOCAL HAZMAT TEAM, AND COMES FROM A FAMILY OF FIRST RESPONDERS.

Her research interests include critical infrastructure emergency planning and disaster management and application of risk analysis and systems theory to determine community level critical infrastructure, impacts on emergency management systems and target capabilities. She also studies exposure assessment, modeling of exposure scenarios, particularly hazardous material emergencies, and requisite response planning. Dr. Schneider's current work includes the building of information fusion systems for regional response centers, creation of analytic hierarchical process models to measure community level operational resilience, and creation of models for emergency informational sharing over various networks. Multidimensional sustainability and analysis of sector based corporate sustainability related activities and management systems are also an area of interest. She has been the PI of over \$1million in research funding and been a co PI or senior personnel on another \$1 million of funded research efforts.

Recently, Dr. Schneider has been appointed by Honorable NY Governor Andrew Cuomo to NY Respond Commission (2012-), created in response to Hurricane Sandy; the National Academy of Sciences, Offshore Windfarm Health and Safety Standards Committee (2012-2013)

**JENNIFER SCHNEIDER**  
PROFESSOR  
CIVIL ENGINEERING TECHNOLOGY, ENVIRONMENTAL  
MANAGEMENT & SAFETY DEPARTMENT  
COLLEGE OF APPLIED SCIENCES & TECHNOLOGY

**Published Conference Proceedings:** Cooke, Harry G., G. T. Dunn, and Scott B. Wolcott. "Preparedness of Civil Engineering Technology Graduates for Design Careers." Proceedings of the 2013 ASEE Annual Conference & Exposition. Ed. Unknown. Atlanta, Georgia: n.p., 2014. Web. \*

**Invited Presentations/Keynotes:** Hochgraf, Clark and Scott Wolcott. "Internationalization of Curriculum at Rochester Institute of Technology." Internationalisation: Myths, Realities, Challenges & Opportunities. Dublin Institute of Technology. Dublin, Ireland. 29 Sep. 2014. Conference Presentation. Δ

*Dean's Office*

#### **md Abdullah al Faruque, Assistant Professor**

**Published Conference Proceedings:** Faruque, Md Abdullah Al. "Turbulent Bursting in Open Channel Flow with Seepage." Proceedings of the The CSCE (Canadian Society for Civil Engineering) Annual Conference, held from May 28th to 31st, 2014, Halifax, Nova Scotia, Canada. Ed. CSCE. Halifax, Nova Scotia: n.p., 2014. Print. \*

#### **Maureen S Valentine, Professor**

**Published Conference Proceedings:** Valentine, M, et al. "Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach." Proceedings of the 2014 IEEE Frontiers in Education. Ed. IEEE. Madrid, Spain: n.p., 2014. Print. «

**Published Conference Proceedings:** Mason, S., et al. "Faculty Awards at a Large Private Institution: An Indicator of Evolving University Values?" Proceedings of the 2014 ASEE Annual Conference and Exposition. Ed. ASEE. Indianapolis, IN: n.p., 2014. Web. «

*Electrical, Computer & Telecommunications Engineering Technology*

#### **Miguel Bazdresch, Assistant Professor**

**Published Conference Proceedings:** Bazdresch, Miguel. "Unleashing Student Creativity with Digital Design Patterns." Proceedings of the 121st American Society for Engineering Education Annual Conference and Exposition. Ed. Ragu Athinarayanan, Ph. D. Indianapolis, IN: American Society for Engineering Education, Web. «

**Published Conference Proceedings:** Bazdresch, Miguel. "Common Pitfalls in Communications Systems Simulation." Proceedings of the 121st American Society for Engineering Education Annual Conference and Exposition. Ed. Ragu Athinarayanan, Ph. D. Indianapolis, IN: American Society for Engineering Education, Web. «

**Invited Presentations/Keynotes:** Bazdresch, Miguel. "Software Defined Radio: Applications for Education and Research." 2014 New York State Engineering Technology Association Conference. Niagara County Community College. Niagara Falls, NY. 16 Oct. 2014. Conference Presentation. \*

#### **Mark J Indelicato, Associate Professor**

**Published Conference Proceedings:** Karampouriotis, Antonios, et al. "Multichannel-Reproduced Music with Height Ambiences: Investigating Physical and Perceptual Factors for Comprehensive 3D Experience." Proceedings of the AES Los Angeles 2014. Ed. AES- Audio Engineering Society. Los Angeles, CA: n.p., 2014. Print. «

**Published Conference Proceedings:** Indelicato, Mark J., SungYoung Kim, and Clark Hochgraf. "How Critical Listening Exercises Complement Technical Courses to Effectively Provide Audio Education for Engineering Technology Students." Proceedings of the AES Los Angeles. Ed. Unknown. Los Angeles, CA: AES, 2014. Print. \*

**SungYoung Kim, Assistant Professor**

**Journal Paper:** Kim, Sungyoung, Masahiro Ikeda, and William L. Martens. "Reproducing Virtually Elevated Sound via a Conventional Home-Theater Audio System." *Journal of Audio Engineering Society* 62. 5 (2014): 337-344. Print. «

**Published Conference Proceedings:** Karampourniotis, Antonios, et al. "Significance of Height Loudspeaker Positioning for Perceived Immersive Sound Field Reproduction." *Proceedings of the The 2014 Spring meeting of Acoustical Society of America*. Ed. ASA. Providence, Rhodes Island: ASA, 2014. Print. \*

**Published Conference Proceedings:** Diaz, Carlos A., Hsun Yi Pao, and Sungyoung Kim. "Film Performance of Poly(lactic acid) Blends for Packaging Applications." *Proceedings of the 19th IAPRI World Conference on Packaging*. Ed. IAPRI (International Association of Packaging Research Institutes). Melbourne, Australia: IAPRI (International Association of Packaging Research Institutes), 2014. Print. \*

**Published Conference Proceedings:** Imamura, Hidetaka, et al. "Discovering Perceptual Characteristics of Multichannel Music with Height Ambiences for Japanese Listeners." *Proceedings of the International Conference of Music Perception and Recognition (ICMPC)*. Ed. ICMPC. Seoul, Korea: ICMPC, 2014. Print. \*

**Published Conference Proceedings:** Indelicato, Mark J., Clark Hochgraf, and Sungyoung Kim. "How Critical Listening Exercises Complement Technical Courses to Effectively Provide Audio Education for Engineering Technology Students." *Proceedings of the Audio Engineering Society 137th International Convention*. Ed. AES. Los Angeles, CA: AES, 2014. Web. \*

**Published Conference Proceedings:** Karampourniotis, Antonios, et al. "Multichannel-reproduced Music with Height Ambiences: Investigating Physical and Perceptual Factors for Comprehensive 3D Experience." *Proceedings of the Audio Engineering Society 137th International Convention*. Ed. AES. Los Angeles, CA: AES, 2014. Web. \*



Mark Indelicato, Department of Electrical, Computer, and Telecommunications Engineering Technology



**Published Conference Proceedings:** Kim, Sungyoung, Philip Gosselin, and Hiraku Okumura. "Discovering a Physical Parameter Associated with a Near-field Sound Control: Comparing HRTFs of Nine Loudspeakers in a Non-anechoic Room." Proceedings of the Inter-Noise 2014. Ed. Unknown. Melbourne, Australia: Inter-Noise, 2014. Print. Δ

**Shows/Exhibits/Installations:** Na, Chanmi. Turn Your Living Room into a Carnegie Hall. Dir. Sungyoung Kim. May 2014. Imagine RIT, Rochester. Exhibit.

**Shows/Exhibits/Installations:** StringQuartet, RIT. Music with a Virtual Auditorium. Dirs. Sungyoung Kim, et al. Feb. 2014. Stan McKenzie Salon, Rochester. Installation.

**Invited Presentations/Keynotes:** Kim, Sungyoung. "Rise and Shine: Investigating the Influence of Height Channels on the Multichannel Audio Reproduction." AIZU University Research Seminar Series. AIZU University. AIZU, JAPAN. 16 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Valentine, Eric, et al. "Psychological Aspects of Record Making." 8th Annual Central Region AES Student Summit. Webster University. St. Louis, MO. 22 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ryan, Timothy, Sungyoung Kim, and Sean Olive. "Technical Ear Training." 8th Annual Central Region AES Student Summit. Webster University. St. Louis, MO. 22 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** King, Richard, et al. "3D/Immersive Audio." 8th Annual Central Region AES Student Summit. Webster University. St. Louis, MO. 22 Mar. 2014. Conference Presentation.

**External Scholarly Fellowships:**

1/1/2013-  
4/30/2014  
Yamaha Corporation  
Amount: \$10,090  
≠

**External Scholarly Fellowships:**

12/1/2014-  
11/30/2015  
Yamaha Corporation  
Amount: \$11,000  
≠

**Drew Maywar, Assistant Professor**

**Journal Paper:** Xiao, Y., D. N. Maywar, and G. P. Agrawal. "Reflection and Transmission of Electromagnetic Waves at a Temporal Boundary." Optics Letters 39. (2014): 574-577. Print. \* £ ≠

**Journal Paper:** Ippolito, C. E., et al. "All-Optical Flip-Flop Contrast Enhancement Based on Bistable Polarization Rotation within a Fabry-Perot Semiconductor Optical Amplifier." Electronics Letters 50. (2014): 1620-1622. Print. \* £

**External Scholarly Fellowships:**

8/4/2014-  
8/31/2015  
Office of Naval Research  
Amount: \$46,468  
£ ≠

**Invited Presentations/Keynotes:** Xiao, Y., D. N. Maywar, and G. P. Agrawal. "Propagation of Optical Pulses in Dynamic Media: A Time Transformation Method." IEEE Summer Topicals in Photonics. IEEE. Montreal, Canada. 17 Jul. 2014. Conference Presentation. \* £ ≠

**Journal Editor:** Shibata, T. and D. N. Maywar, ed. Japanese Journal of Applied Physics. Tokyo Japan: Japan Society of Applied Physics, 2014. Print.

**Besim Agusaj**

**Book Chapter:** Tipuric, Darko and Marli Goman Bozac. "Outsourcing: Service Success or Service Failure." Case Studies in Strategic Management. Zagreb, Croatia: Sinergija, 2014. 379-392. Print.

**Published Conference Proceedings:** Walker, Kevin, Besim Agusaj, and Milena Kuznin. "Approaches to Hospitality Entrepreneurship Education in the Future: Traditional or Effectual?" Proceedings of the EuroCHRIE Dubai 2014- The Future of Hospitality. Ed. John Fong. Dubai, United Arab Emirates: n.p., 2014. Print. \*

**Muhammet Kesgin, Assistant Professor**

**Published Conference Proceedings:** Kesgin, Muhammet. "Comparing Effects of Demographic and Trip Characteristics on Holiday Choice: Evidence from Alanya, Turkey." Proceedings of the 3rd International Tourism Research Conference. Ed. Metin Kozak and Nazmi Kozak. Ankara, Turkey: Detay, 2014. Print. \*

**Invited Presentations/Keynotes:** Kesgin, Muhammet. "Create Value or Perish: Value-Based Marketing Strategies in Tourism." Think Tank 3. Tourism Think-Tank Platform. Antalya, Turkey. 26 Dec. 2014. Keynote Speech.

**Rick Lagiewski, Senior Lecturer**

**Invited Article/Publication:** Lagiewski, Rick and Aleksa Vucetic. "Montenegro Tourism." Encyclopedia of Tourism J. Jafari, H. Xiao (Eds.). (2016). Print. Δ

**Published Game, Application or Software:** Lagiewski, Rick, et al. Finger Lakes Interactive Play. Phone or Smart Device App. IOS RIT Magic Center Empire State Development. 2014. ≠

**Martin K Anselm, Assistant Professor**

**Published Conference Proceedings:** Anselm, Martin Karl. "A.R.E.A. Component Warpage: Issues with Measurement and Standardization." Proceedings of the SMTAi, September 29- October 2, Chicago IL. Ed. SMTA. Edina, MN 55424: n.p., 2014. Web.

**Betsy Dell, Associate Professor**

**Published Conference Proceedings:** Mason, Sharon, et al. "Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach." Proceedings of the Frontiers in Education. Ed. IEEE. Madrid, SPAIN: n.p., 2014. Web. \*

**Published Conference Proceedings:** Dell, Elizabeth, Robert Garrick, and Yen Verhoeven. "Building a Critical Mass of Female Engineering Technology Students." Proceedings of the Conference for Industry & Education Collaboration. Ed. ASEE. Savannah, GA: n.p., 2014. Web. «

**External Scholarly Fellowships:**

7/15/2014-  
6/30/2015  
New York State Pollution Prevention  
Institute  
Amount: \$60,006  
≠

**Robert D Garrick, Associate Professor**

**Published Conference Proceedings:** Dell, E., R. Garrick, and Y. Verhoeven. "Building a Critical Mass of Female Engineering Technology Students." Proceedings of the American Society of Engineering Educators, Proceedings of the 2014 Conference for Industry and Education Collaboration (CIEC), Savannah, Georgia; February 5-7, 2014. Ed. ASEE. Savannah, GA: n.p., 2014. Web. « ≠

**Journal Paper:** Piekarski, D., et al. "Performance and Emissions of a Methane Fueled V-Twin Four Stroke Spark Ignited Engine." *International Journal of Energy and Power Engineering* 3. 1 (2014): 21-27. Print. « ≠

**Full Length Book:** Villasmil, L. and R. Garrick. *Mechanics of Fluids and Fluid Power. Revised Preliminary Edition* ed. San Diego, CA: Cognella Academic Publishing, an Imprint of University Readers, Inc., 2014. Print. «

**Spencer Kim, Associate Professor**

**Published Conference Proceedings:** Kim, Spencer. "Green Plastic Laboratory by Process Oriented Guided Inquiry Learning." *Proceedings of the 2014 ASEE Annual Conference*. Ed. ASEE. Indianapolis, IN: ASEE, 2014. Web. \*

**Journal Paper:** Kim, Spencer, Myoung J. Lee, and Bok Hee Kim. "Fabrication and Electrical Properties of SOFC Single Cells Using Porous Yttria Stabilized Ceramic Support Layer Coated with Ni." *Journal of European Ceramic Society* 34. (2014): 1771-1776. Print. \*

**James H Lee, Assistant Professor**

**Journal Paper:** Peikarski, Daniel John, et al. "Performance and Emissions of a Methane Fueled V-Twin Four Stroke Spark Ignited Engine." *International Journal of Energy and Power Engineering* 3. 1 (2014): 21-27. Web. «

**Ti-Lin Liu, Associate Professor**

**Published Review:** Lin, Liu, Ti. "Teaching Vibration with Numerical Integration in Excel." *Rev. of Internatinal Conference, by Ti Lin, Liu. Industry, Engineering, and Management Systems* 23 Mar. 2014: 4. Print. \* Δ

**Manian Ramkumar, Professor**

**Published Conference Proceedings:** Ramkumar, S. Manian and Andrew Daya. "Effect of Thermal Shock on Lead Free Alloy Combinations in Package on Package Assemblies." *Proceedings of the Surface Mount Technology Association International*. Ed. SMTA. Chicago, IL: SMTA, 2014. Print.

**Carlos Diaz-Acosta, Assistant Professor**

**Published Conference Proceedings:** Diaz, Carlos A, Hsun Yi Pao, and Sungyoung Kim. "Film Performance of Poly(lactic acid) Blends for Packaging Applications." *Proceedings of the 19th IAPRI World Conference on Packaging*. Ed. M A Sek, V Rouillard, and S W Bigger. Melbourne, Australia, Australia: Victoria University, 2014. Print. \*

**Published Conference Proceedings:** Goodwin, Daniel, et al. "Vibration Performance for Biocushion Materials." *Proceedings of the 19th IAPRI World Conference on Packaging*. Ed. M A Sek, V Rouillard, and S W Bigger. Melbourne, Australia, Australia: Victoria University, 2014. Print. \*

**Changfeng Ge, Associate Professor**

**Journal Paper:** Ge, Changfeng and Robert Aldi. "Effects of Aragonite Calcium Carbonate on Barrier and Mechanical Properties of a Three-Layer Co-extruded Blown Low-Density Polyethylene Film." *Journal of plastic film and sheet* 30. 1 (2014): 77-90. Print. \*

**Journal Paper:** Ge, Changfeng, Yujie Cheng, and Bo Li. "Numerical Simulation and Experimental Study of the Heat Transition in a Foam Container." *Journal of Cellular Plastics* 50. 1 (2014): 15-36. Print. \*

**Journal Paper:** Cai, Ruoying, Mokwena Kereilemang Nthoiwa, and Changfeng Ge. "Effect of Microwave Heating on The Migration of." *Journal of Applied Packaging Research* 6. 1 (2014): 11-22. Web. «

**Journal Paper:** Cheng, Yujie, et al. "Evaluation of Natural Plant Powders with Potential Use in Antimicrobial Packaging Applications." *Journal of Applied Packaging Research* 6. 2 (2014): 29-39. Web. «

**Published Conference Proceedings:** C., Ge, et al. "An Introduction to Next-generation Loggers for Measuring Distribution Hazards on the Product and Package." Proceedings of the 19th IAPRI World Conference on Packaging. Ed. Vincent Rouillard. Melbourne, Australia: n.p., 2014. Print. «

**Full Length Book:** Ge, Changfeng and Andrew Hurley. Package Development with SolidWorks 2014. 2014 ed. Mission, KS 66222: SDC Publications, 2014. Print. \*

**Daniel Goodwin, Professor**

**Published Conference Proceedings:** Goodwin, Daniel, et al. "Vibration Performance for Biocushion Materials." Proceedings of the 19th World Conference on Packaging, 15- 19 June 2014, Melbourne Australia. Ed. David Shires. Melbourne, Australia: IAPRI, 2014. Web. £

*Biomedical Sciences*

**Cory A Crane, Assistant Professor**

**Journal Paper:** Crane, C.A., et al. "The Occurrence of Female-to-male Partner Violence Among Male Intimate Partner Violence Offenders Mandated to Treatment." *Violence and Victims* 29. (2014): 940-951. Print. \*

**Journal Paper:** Crane, C.A., L. Oberlietner, and C.J. Easton. "Substance Use Disorders and Intimate Partner Violence Perpetration Among Male and Female Offenders." *Psychology of Violence* 4. (2014): 322-333. Print. «

**Journal Paper:** Crane, C.A., C. Pilver, and A. Weinberger. "Cigarette Smoking Among Intimate Partner Violence Perpetrators and Victims: Findings from the NESARC Study." *American Journal on Addictions* 23. (2014): 493-501. Print. «

**Journal Paper:** Crane, C.A., et al. "Legal Factors Associated with Change in Alcohol Use and Partner Violence Among Offenders." *Journal of Substance Abuse Treatment* 47. (2014): 151-159. Print. «

**Journal Paper:** Crane, C.A. and M. Testa. "Daily Associations Among Anger Experience and Intimate Partner Aggression Within Aggressive and Nonaggressive Community Couples." *Emotion* 14. (2014): 985-994. Print. «

**Journal Paper:** Crane, C.A., et al. "Daily Associations Among Self-control, Heavy Episodic Drinking, and Relationship Functioning: An Examination of Actor and Partner Effects." *Aggressive Behavior* 40. (2014): 440-450. Print. «

**Journal Paper:** Eckhardt, C.I. and C.A. Crane. "Partner Violent Males Mandated to Treatment: An Examination of Implicit Attitudes Towards Women and Violence." *Cognitive Therapy and Research* 38. (2014): 291-301. Print. «

**Journal Paper:** Testa, M., et al. "Effects of Administered Alcohol on Intimate Partner Interactions in a Conflict Resolution Paradigm." *Journal of Studies on Alcohol and Drugs* 75. (2014): 249-258. Print. «

**Invited Presentations/Keynotes:** Crane, C.A. "The Effects of Brief Motivational Interviewing on Treatment Outcomes Among Partner Violent Offenders Who Engage in Heavy Episodic Drinking." Economic & Social Research Council Seminar Series. Rochester Institute of Technology. Rochester, NY. 21 Jul. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Testa, M., et al. "The Temporal Association Between Drinking and Sexual Aggression in College Men." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Schlauch, R.C., et al. "Individual Differences in Approach and Avoidance Inclinations Moderate the Effect of Self-control Depletion on Ad-lib Drinking." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Schlauch, R.C., et al. "Personality and Craving: Psychometric Evaluation of the Substance Use Risk Profile Scale (SURPS) in an Inpatient Sample of Substance Users." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Leone, R., et al. "The Moderating Effects of Self-control on the Relationship Between Alcohol Problems and Psychological and Physical Intimate Partner Violence." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Godleski, S., K. Leonard, and C.A. Crane. "The Influence of Concordant and Discordant Parent Alcohol Use on Child Behavior Problems." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Crane, C.A., J. Derrick, and K. Leonard. "Actor and Partner Self-control Moderate the Relationship Between Antisocial Behavior and Alcohol Dependence Among Married Men." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Crane, C.A., et al. "Legal Factors Associated with Change in Alcohol Use and Partner Violence Among Male Offenders." Research Society on Alcoholism. Research Society on Alcoholism. Bellevue, WA. 21 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Testa, M., C.A. Crane, and K. Leonard. "What Does Common Couple Violence Look Like?" International Family Violence and Child Victimization Research Conference. University of New Hampshire. Portsmouth, NH. 14 Jul. 2014. Conference Presentation.

#### **Daniel B Ornt, Professor**

**Book Chapter:** Yeun, JY and Ornt DB, Depner TA. "Hemodialysis/Chapter 64." Brenner & Rector's The Kidney, ninth edition. Ed. Taal MW, Chertow GM, Skorecki MK, Yu ASL., Philadelphia, PA: Elsevier/Saunders, 2011. 2294-2346. Print. Δ

#### **Bolaji Thomas, Associate Professor**

**Journal Paper:** Thakur, Tanya J., et al. "Endothelin-1 but not Endothelial Nitric Oxide Synthase Gene Polymorphism is Associated with Sickle Cell Disease in Africa." Gene Regulation and Systems Biology 8. (2014): 119-126. Web. «

**Journal Paper:** Duru, Kimberley C. and Bolaji N. Thomas. "Genetic Diversity and Allelic Frequency of Glutamate-Rich Protein (GLURP) in Plasmodium Falciparum Isolates from Sub-Saharan Africa." Microbiology Insights 7. (2014): 35-39. Web. «

**Published Conference Proceedings:** Duru, Kimberley C., Jenelle A. Noble, and Bolaji N. Thomas. "Genomic Diversity of Complement Receptor 1 (CR1) Polymorphisms and Association with Sickle Cell Disease." Proceedings of the Annual Biomedical Research Conference for Minority Students, San Antonio TX November 12-15, 2014. Ed. ASM. Washington DC, DC: American Society for Mibiology, 2014. Print. «

**Journal Paper:** Thomas, Bolaji N., et al. "Genomic Polymorphism of CD209 Gene is Associated with Sickle Cell Disease in African Children." The Journal of Immunology 192. Supplement 1 (2014): 53.1-53.1. Print. «

**Published Conference Proceedings:** Noble, Jenelle A., Kimberley C. Duru, and Bolaji N. Thomas. "Extensive Polymorphisms of CD209 (rs4804803) Gene Promoter in African but not American Sickle Cell Disease." Proceedings of the Annual Biomedical Research Conference for Minority Students, San Antonio TX November 12-15, 2014. Ed. ASM. Washington DC, DC: ASM, 2014. Web. «

## Featured Faculty

**BOLAJI THOMAS** IS AN ASSOCIATE PROFESSOR IN THE DEPARTMENT OF BIOMEDICAL SCIENCES. HE JOINED RIT IN THE FALL OF 2008 AFTER COMPLETING A POSTDOCTORAL FELLOWSHIP AT THE UNIVERSITY OF PENNSYLVANIA. RESEARCH IN THOMAS' LAB IS CENTERED AROUND 3 AREAS OF INTEREST. (1). INFECTIOUS DISEASES (MALARIA AND LEISHMANIASIS), (2) IMMUNOGENETICS (SICKLE CELL DISEASE) AND (3) ZOO NOTIC DISEASES (ANIMAL INFECTIONS IN HUMANS). SPECIFICALLY, THE RESEARCH PROGRAM IS INTERESTED IN HOW POLYMORPHISMS OF COMPLEMENT REGULATORY GENES, WHICH WAS FOUND TO DISPLAY INTERETHNIC DIVERSITY AND FUNCTIONAL SIGNIFICANCE, AFFECT DISEASE PATHOPHYSIOLOGY IN SICKLE CELL DISEASE.

The Thomas lab has shown that there are distinct and significant differences in the genotypic and allelic frequencies of these polymorphisms between sickle cell groups from Africa and the United States. Elucidating the role of these polymorphisms in disease and clinical implication is of interest to the Thomas group and others. The overarching goal of the project is to develop a new therapeutic approach for the treatment of sickle cell disease. The lab is also focused on deciphering how variations in individual's genetic makeup affect susceptibility to disease co-morbidities among patients with sickle cell disease in Africa and other countries. In addition, the Thomas lab is also interested in elucidating the expression and kinetics of novel genes from persistent parasites in a disease called leishmaniasis.

The lab has forged a very enriching and fruitful collaboration with Dr. Betty Pace, Georgia Regents University and Dapa Diallo, University of Bamako, Mali, working together on sickle cell disease project. In addition, the lab has an ongoing collaboration with Dr. Ikhide Imumorin on the zoonoses project. These collaborations have led to 12 published peer-reviewed articles, with several more in press or in preparation.

Dr. Thomas is also involved in the scientific community as a member of the American Association for Immunologists and the Network of Minority Research Investigators, as a faculty mentor for the Federation of American Societies for Experimental Biology Maximizing Access to Research Careers (FASEB-MARC). In addition, Dr. Thomas currently serves on the board for the RIT Upstate Louis Stokes Alliances for Minority Participation (ULSAMP) and has been in the forefront of recruiting, training and mentoring undergraduate students in his research program. Dr. Thomas has also been involved as a PI or Co-PI on several grants funded by the National Institutes of Health and World Health Organization.

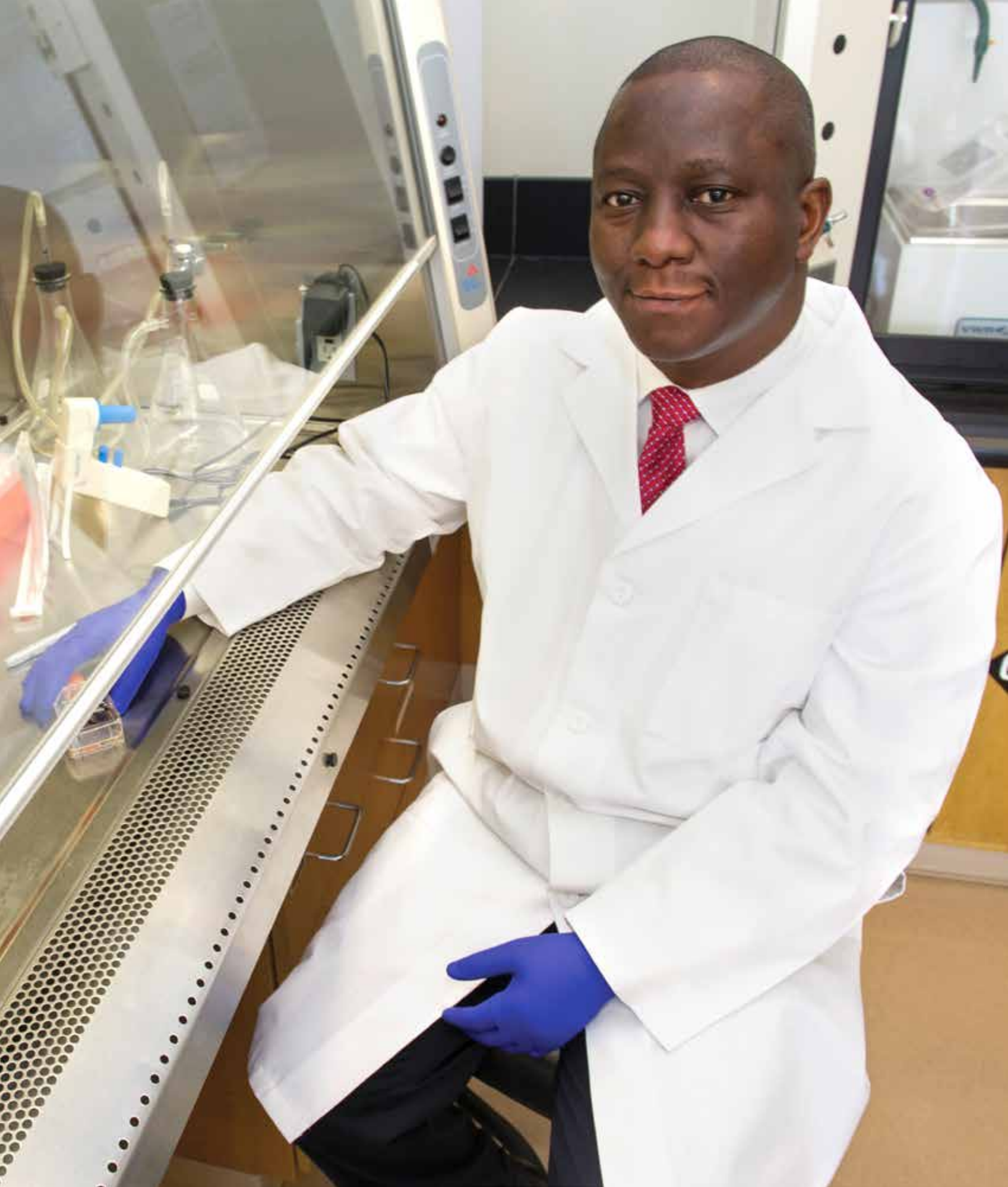
### **BOLAJI THOMAS**

ASSOCIATE PROFESSOR

BIOMEDICAL SCIENCES

COLLEGE OF HEALTH SCIENCES AND TECHNOLOGY







*Diagnostic Medical Sonography*

**Hamad Ghazle, Professor**

**Journal Paper:** Ghazle, Hamad. "Sonographic Diagnosis of Antley-Bixler PORD-Type Syndrome." *Journal of Diagnostic Medical Sonography*. 8756479314549583 (2014): 1-6. Web. «

**Journal Paper:** Ghazle, Hamad. "Acute Testicular Pain." *The Journal of the American Osteopathic College of Radiology* 3. 4 (2014): 25-28. Print. «

**Invited Presentations/Keynotes:** Ghazle, Hamad. "Biopsies Made Easy With Sonographic Guidance." 2014 Annual Convention. American Institute of Ultrasound in Medicine (AIUM). Las Vegas, NV. 1 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ghazle, Hamad. "Hands-on How to Do the Biopsy." 2014 Annual Convention. American Institute of Ultrasound in Medicine (AIUM). Las Vegas, NV. 1 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ghazle, Hamad. "The Acute Scrotum." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation 2014*. Rochester Ultrasound Society. Rochester, NY. 1 Nov. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ghazle, Hamad. "Ultrasound Cases: Mind Teasers." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation 2014*. Rochester Ultrasound Society. Rochester, NY. 1 Nov. 2014. Conference Presentation.

*Medical Illustration*

**James Perkins, Professor**

**Full Length Book:** Kumar, Vinay, et al. *Robbins and Cotran Pathologic Basis of Disease*. 9 ed. Philadelphia, PA: Elsevier, 2014. Print.

**Shows/Exhibits/Installations:** Perkins, James. *School of Netter: The "Michelangelo of Medicine" and His Legacy*. Apr. 2014. NYU Langone Medical Center, New York, NY. Exhibit.



*Cara Calvelli, Physician Assistant's Program*

**Full Length Book:** Conti, C. Richard, Frank H. Netter (illustrator), and James Perkins (illustrator). The Netter Collection of Medical Illustrations, Vol. 8- Cardiovascular System. 2 ed. Philadelphia, PA: Saunders, 2014. Print.

**Invited Presentations/Keynotes:** Perkins, James. "Frank Netter and Me: Following in the Footsteps of the World's Greatest Medical Illustrator." Joseph McCullough Center for the Visual Arts. Cleveland Institute of Art. Cleveland, OH. 28 Mar. 2014. Lecture.

**Invited Presentations/Keynotes:** Perkins, James. "Molecular Illustration." Joseph McCullough Center for the Visual Arts. Cleveland Institute of Art. Cleveland, OH. 28 Mar. 2014. Lecture.

#### *Physician Assistant*

#### **Cara Calvelli, Associate Professor**

**Journal Paper:** Guo, X, et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Imaging Understanding." *Artificial Intelligence in Medicine* 62. 2 (2014): 79-90. Web.

#### **Patricia Newcomb**

**Journal Paper:** Newcomb, Patricia M. and H.H. Ghazale. "Sonographic Diagnosis of Antley-Bixler PORD-Type Syndrome." *Journal of Diagnostic Medical Sonography*. (2014): electronic ahead of print publication. Web. \*

**Book Chapter:** Newcomb, Patricia M. "Prevention of Birth Defects and Preterm Delivery." *Encyclopedia of Primary Prevention and Health Promotion*. Ed. Thomas P. Gullotta and Martin Bloom. New York, NY: Springer US, 2014. 837-853. Print.

#### **John B Oliphant, Assistant Professor**

**Invited Presentations/Keynotes:** Oliphant, John, et al. "First Aid Concepts For Teachers." First Aid Training Program For Haitian Teachers. Restore Haiti / Restoration Ministries. Jacmel, Haiti. 23-24 Mar. 2014. Lecture.

**Book Chapter:** Oliphant, John. "The Musculoskeletal System." *Pearls of Wisdom: Physician Assistant Exam Review, 5th Edition*. Ed. Daniel Thibodeau, PA-C and Scott Plantz, MD. New York, NY: McGraw-Hill Education, 2014. 231-264. Print.

**Invited Presentations/Keynotes:** Oliphant, John. "The Effect of Ebola on Healthcare Providers in Liberia." *Ebola, Fear, and Our Common Humanity: West African Perspectives on a Global Crisis*. Department of African and African American Studies of The SUNY College at Brockport. Rochester, New York. 8 Nov. 2014. Conference Presentation. £

**Invited Article/Publication:** Oliphant, John. "The Ebola Epidemic Hits Close to Home: Liberia's PAs on the Front Lines of Health Crisis." *PA Professional*. (2014). Web. ^

#### **Published Game, Application or Software:**

Thibodeau, Daniel, et al. *PAEasy- Online PA Board Exam Study Tool*. Software. McGraw-Hill Medical. 2011.

*School for American Crafts*

**Andy Buck, Professor**

**Invited Presentations/Keynotes:** Buck, Andy. "Creating Volume and Form." Public Lecture Series, Scherer Meeting Hall. Anderson Ranch Art Center. Snowmass, CO. 8 Jun. 2014. Lecture. ≠

**Invited Presentations/Keynotes:** Buck, Andy and Michael Rogers. "Artist Collaboration." Art Department. University of Wisconsin. Steven's Point, WI. 10 Feb. 2014. Lecture. ≠

**Shows/Exhibits/Installations:** Buck, Andy. Featured Work. 20 Nov. 2014. SOFA Exposition, Navy Pier- Represented by Aspen Grove Gallery & Anderson Ranch Art Center, Chicago. Exhibit. ≠

**Shows/Exhibits/Installations:** Buck, Andy. Spring Exhibition. 29 May 2014. Pritam & Eames, East Hampton, NY. Exhibit.

**Juan Carlos Caballero-Perez**

**Shows/Exhibits/Installations:** Caballero-Perez, Juan Carlos. 6th Rochester Biennial Exhibition. Jul. 2014. Memorial Art Gallery, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Caballero-Perez, Juan Carlos. Protective Ornament: Contemporary Amulets to Armor. 2014. Traveling Exhibition, Memphis. Exhibit.

**Full Length Book:** Ramlijak, Suzanne. "On Body and Soul: Contemporary Armor to Amulets". Atglen, PA: Shiffer Publishing, 2014. Print.

**Peter J Pincus, Visiting Assistant Professor**

**Shows/Exhibits/Installations:** Pincus, Peter. Adam Field, Samuel Johnson, Peter Pincus. Oct. 2014. Greenwich House Pottery, New York, NY. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. American Pottery Festival. Sep. 2014. Northern Clay Center, Minneapolis, MN. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Sleep, In Spite of the Storm. Jul. 2014. Main Street Arts, Clifton Springs, NY. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Art Of The Pot. May 2014. Keith Kreeger Studios, Austin, TX. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. 2014 Yunomi Invitational. Apr. 2014. AKAR, Iowa City, IA. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Occurance. Mar. 2014. NCECA Concurrent Exhibition, Milwaukee, WI. Exhibit.

**Invited Presentations/Keynotes:** Pincus, Peter. "Form Follows Fashion." American Pottery Festival. Northern Clay Center. Minneapolis, MN. 13 Sep. 2014. Lecture.

**Invited Presentations/Keynotes:** Pincus, Peter, Adam Field, and Samuel Johnson. "Demonstration Based Workshop." Color Symposium. Greenwich House Pottery. New York, New York. 14 Nov. 2014. Conference Presentation.

**Shows/Exhibits/Installations:** Pincus, Peter. Three Perspectives. Feb. 2014. Trax Gallery, Berkley. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. A Show of Boxes. Jul. 2014. Artisan Gallery, Paoli. Exhibit.

**Invited Presentations/Keynotes:** Pincus, Peter. "Visiting Artist Demonstration and Lecture." West Virginia University Ceramics Department. West Virginia University. Morgantown, WV. 17, 18 Apr. 2014. Lecture.



### Michael A Rogers, Professor

**Shows/Exhibits/Installations:** Rogers, Michael. BODYTALK. 14th to 28th Dec. 2014. Glasmuseet, Ebeltoft, Denmark. Exhibit.

**Shows/Exhibits/Installations:** Rogers, Michael. Abandoned House Collaborative and Project. 6th to 23rd Dec. 2014. Countryside of Rujiena and Makslas Banka Gallery, Riga, Rujiena and Riga, Latvia. Installation.

**Shows/Exhibits/Installations:** Rogers, Michael. Caf Spleen. 12 Aug. 2014. Akuraters Museum, Riga, Latvia. Installation.

**Shows/Exhibits/Installations:** Rogers, Michael. Fortune's Nest. 19 Dec. 2014. Exhibit A, Corning, NY. Exhibit.

**Invited Presentations/Keynotes:** Rogers, Michael. "Out of Thin Air." Chrysler Museum's Visiting Artist. Chrysler Museum. Norfolk, Virginia. 16 Dec. 2014. Lecture.

### *School of Art*

### Michael Amy, Professor

**Invited Article/Publication:** Amy, Michael. "The Meat of Sculpture: Paul Thek." Sculpture. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Paul McCarthy: Rotten to the Core." Sculpture. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "The Abandoned House Project." Abandoned house. (2014). Web. Δ

**Invited Article/Publication:** Amy, Michael. "Making Connections." Robert Devriendt: Broken Stories. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Unicorn." Michael Borremans, As Sweet As It Gets. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Antwerp Feasts." Jan Fabre. Tribute to Hieronymus Bosch in Congo. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Belgian Congo Fountain of Life." Jan Fabre. Tribute to Hieronymus Bosch in Congo. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Reinhard Mucha." Sculpture. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Richard Serra." Sculpture. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Gregg Louis." Sculpture. (2014). Print. Δ

**Invited Article/Publication:** Amy, Michael. "Edward Burtynsky, Water." Sundaram Tagore Gallery. (2014). Web. Δ

### Elizabeth Kronfield, Associate Professor

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. Liquid Earth. 26 May 2014. San-Bao Ceramics Arts Gallery, Jingdezhen, China. Exhibit. Δ

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. Outdoor Sculpture Exhibition. 9 Jun. 2014. Jeske Sculpture Park, Ferguson, MO. Exhibit. «

**Invited Presentations/Keynotes:** Kronfield, Elizabeth. "Invited Artist." West Georgia Sculpture Symposium. West Georgia State University. Carrollton, Georgia. 14 Mar. 2014. Lecture. Δ

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. Gravity. 26 Sep. 2014. From Pattern to Placement, Laramie, WY. Exhibit. Δ

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. Broken. 14 Mar. 2014. West Georgia State University Outdoor Sculpture Exhibition, Carrollton, GA. Exhibit. Δ

## Featured Faculty

**ALEX LOBOS** IS AN ASSISTANT PROFESSOR OF INDUSTRIAL DESIGN, MILLER PROFESSOR FOR INTERNATIONAL EDUCATION, AND EXTENDED PROGRAM FACULTY AT GOLISANO INSTITUTE FOR SUSTAINABILITY. HIS RESEARCH FOCUSES ON SUSTAINABLE DESIGN, EMOTIONAL ATTACHMENT AND USER-CENTERED DESIGN. HE ALSO WORKS ON ESTABLISHING COLLABORATIONS BETWEEN RIT AND INTERNATIONAL INSTITUTIONS, PARTICULARLY IN LATIN AMERICA AND ASIA.

Alex's research projects are often done in collaboration with industry partners. Since 2011 he has worked with CAD software leader Autodesk, exploring ideas around digital fabrication, computer modeling and design process. This collaboration has resulted in several conference presentations, award-winning student projects and involvement of RIT faculty and students in development of next-generation CAD programs. This collaboration has allowed the industrial design department to implement methods of digital fabrication and 3D printing into their curriculum. Another recent collaboration with General Electric focused on home appliances and sustainable behavior. Groups of students developed refrigeration and laundry concepts that improve environmental impact across the life cycle and engage users in more responsible use of their products, reducing energy and water consumption, among other benefits.

In 2014 Alex ran workshops at several universities, including: Universidad de Monterrey (UDEM), in México, and Pontificia Católica Universidad del Perú (PUCP), in Lima. The workshop at UDEM had students integrating eco-strategies with wearable technology in a variety of product categories, while the workshop at PUCP gathered over ninety students in industrial design to produce lines of office products that use emotional attachment to reduce procrastination. Alex also lectured at universities in México, Guatemala and Colombia, including a paper titled "Timelessness in Sustainable Product Design" at the International Conference of Design and Emotion, at Universidad de Los Andes, Colombia.

Alex's future plans include continuing his work with industry partners as well as establishing a network of design schools in North and Latin America who work together on projects around digital fabrication and social innovation.

**ALEX LOBOS**  
ASSISTANT PROFESSOR  
SCHOOL OF DESIGN  
COLLEGE OF IMAGING ARTS AND SCIENCES





### Alan D Singer, Professor

**Full Length Book:** Singer, Alan and Anne C. Coon. *Slice of Life, Paintings and Prints by Alan Singer*. 1 ed. Rochester, NY: Blurb.com, 2014. Print.

**Invited Article/Publication:** Singer, Alan. "Growing Up With Art." *POST Magazine*. (2014). Print.

**Published Conference Proceedings:** Singer, Alan. "Visualizing Mathematical Forms." *Proceedings of the BRIDGES*. Ed. Robert Fathauer and Nathan Selikoff. Seoul, South Korea, South Korea: Tesselations Publishing, Print. ≠

**Invited Article/Publication:** Singer, Alan. "Interview with Alan Singer." *ARTiculAction*. (2014). Web.

**Shows/Exhibits/Installations:** Singer, Alan. *A Visual Life*. 7 Nov. 2014. Spectrum Gallery at Lumiere Photo, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Singer, Alan. *The Power of Flowers*. 6 Apr. 2014. Ock Hee's Gallery, Honeoye Falls, NY. Exhibit.

### Sarah E Thompson, Assistant Professor

**Invited Presentations/Keynotes:** Thompson, Sarah. "Soi-disant gothicisms: The Rejection of Gothic Hybridity in the Nineteenth Century." Annual Meeting. College Art Association. Chicago, IL. 12 Feb. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Thompson, Sarah. "Portals and the Public: Sculpture, Difference, and Institutional Identity in Medieval times." Kern Conference on Visual Communication. RIT. Rochester, NY. 24 Apr. 2014. Conference Presentation. £

**Published Review:** Thompson, Sarah. "Review." *Rev. of Irish Gothic Architecture: Construction, Decay, and Reinvention*, ed. Stalley, Roger. *Journal of the Society of Architectural Historians* 1 Dec. 2014: 517-519. Print. Δ

### Clifford Wun, Associate Professor

**Shows/Exhibits/Installations:** Turk, Elizabeth. *An Apple Is an Apple...(In the Exhibition)* "Elizabeth Turk: Sentient Forms." By Clifford Wun. 12 Oct. 2014. Laguna Art Museum, Laguna Beach. Exhibit.

*School of Design*

### Deborah A Beardslee, Associate Professor

**Invited Presentations/Keynotes:** Beardslee, Deborah. "Inclusive, High Quality Decisions? Macro/Micro Impacts Within Our Everyday Experiences." Society for Experiential Graphic Design National CONVERGENCE Conference / Academic Summit. Society for Experiential Graphic Design (SEGD). Atlanta, GA. 5 Jun. 2014. Conference Presentation. £

**Invited Article/Publication:** Beardslee, Deborah. "Inclusive, High Quality Decisions? Macro/Micro Impacts Within Our Everyday Experiences." *SEGD Online Publication*. (2014). Web. £

**Shows/Exhibits/Installations:** Beardslee, Deborah. *2014 Five Digital Photographic Juxtapositions*. 2014. The Mill Art Center & Gallery, Fast Forward: Digital Work Juried Exhibition, Honeoye Falls, NY. Exhibit. \*

**Shows/Exhibits/Installations:** Beardslee, Deborah. *2014 Lineage, Ascendants*. 2014. RIT Bevier Gallery, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. *2014 Concurrence*. 2014. The Mill Art Center & Gallery, Members Exhibition, Honeoye Falls, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. *2014 Descendants*. 2014. Rochester Contemporary Art Center, Members Exhibition, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. *2014 Conference*. 2014. Image City Photography Gallery, Magic of Light Exhibition, Rochester, NY. Exhibit.



### **Nancy A Bernardo, Assistant Professor**

#### **Judged National/International Competition**

**Award Winner:** Bernardo, Nancy A. Print Magazine. Regional Design Award Best in Region (East). Chicago, IL, 2014. \*

#### **Judged National/International Competition**

**Award Winner:** Bernardo, Nancy A. How Magazine. Best of International Design. Chicago, IL, 2014. \*

#### **Judged National/International Competition**

**Award Winner:** Bernardo, Nancy A. How Magazine. Outstanding Achievement for In-House Design. Chicago, IL, 2014. \*

#### **Invited Presentations/Keynotes:**

Bernardo, Nancy A. "What Was Old Is New Again: Recapturing 19th Century Artistic Printing in the 21st Century." Print City Detroit Conference. Mid America Print Council. Detroit, MI. 25 Sep. 2014. Conference Presentation. Δ

#### **Invited Article/Publication:**

Bernardo, Nancy A. "Deconstructing Brad Pitt: A Visual Essay." Deconstructing Brad Pitt. (2014). Print.

#### **Judged National/International Competition**

**Award Winner:** Bernardo, Nancy. AIGA Western New York. New York State of Design: Judge's Choice. Syracuse, NY, 2014. \*

### **Lorrie Frear, Associate Professor**

#### **Published Conference Proceedings:**

Frear, Lorrie. "Team Design: Collaborative Multidisciplinary Learning Experiences for Graphic Designers." Proceedings of the Hawaii International Conference on Arts and Humanities, Honolulu HI, January 2014. Ed. Unknown. University of Louisville, KY: n.p., 2014. Web. \*

#### **Published Conference Proceedings:**

Frear, Lorrie and Carol Fillip. "Collaboration, Cooperation and Competition with Design Thinking." Proceedings of the 25th International Conference on College Teaching and Learning Point Vedra Beach FL, March 2014. Ed. Unknown. Point Vedra Beach, FL: n.p., 2014. Web. \*

#### **Published Conference Proceedings:**

Frear, Lorrie and Carol Fillip. "Design Thinking in a Collaborative Learning Environment." Proceedings of the International Journal of Arts and Sciences Conference May 2014, Boston MA. Ed. International Journal of Arts and Sciences. Boston, Massachusetts: n.p., 2014. Web. \*

#### **Published Conference Proceedings:**

Frear, Lorrie and Carol Fillip. "Intersections of Tradition and Technology=Experimental Typography." Proceedings of the SECAC Conference (Southeastern College Art Conference) Sarasota, FL. Ed. SECAC. Columbia, South Carolina: SECAC, 2014. Print.

#### **Invited Article/Publication:**

Frear, Lorrie. "Learning to Love Letters! The Magic of Introducing Calligraphy in Typography Courses." ilovetypography.com. (2014). Web. Δ

#### **Invited Presentations/Keynotes:**

Frear, Lorrie. "Calligraphy Workshop: Italicize Your Communications." Calligraphy Workshop. SI Newhouse School of Public Communications, Syracuse University. Syracuse, NY. 12 Apr. 2014. Guest Lecture. Δ

#### **Invited Presentations/Keynotes:**

Frear, Lorrie. "Calligraphy in Context: Teaching and Learning." Workshop for Graduate Education Majors. Margaret Warner Graduate School of Education and Human Development, University of Rochester. Rochester, NY. 11 Jun. 2014. Guest Lecture. Δ

#### **Invited Presentations/Keynotes:**

Frear, Lorrie. "Margaret Warner Graduate School of Education and Human Development, University of Rochester, Rochester, New York,." Western New York Book Arts Center Workshop. Western New York Book Arts Center. Buffalo, NY. 18 Oct. 2014. Guest Lecture. Δ



### Chris Jackson, Professor

**Full Length Book:** Jackson, Chris. *After Effects and Cinema 4D Lite: 3D Motion Graphics and Visual Effects using Cineware*. 1st ed. New York, NY: Focal Press, 2104. Print. \*

**Invited Presentations/Keynotes:** Jackson, Chris. "After Effects: Foundational Techniques to Your First Animation." Adobe MAX 2014 Creativity Conference. Adobe. Los Angeles, CA. 6 Dec. 2104. Guest Lecture. Δ

### Alex Lobos, Assistant Professor

**Journal Paper:** Lobos, Alex. "Benefits of Video Presentations in Product Design." *International Journal of Technology and Inclusive Education* 2. 3 (2014): 208-213. Web. \*

**Invited Presentations/Keynotes:** Lobos, Alex. "Integrating Design and Emotion." 5th International Conference UDESIGN. Universidad de Monterrey. Monterrey, Mexico. 3 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Lobos, Alex. "Design, Emotion and Sustainability." Workshop on Emotional Design. Pontificia Universidad Catolica del Peru. Lima, Peru. 24 Mar. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Lobos, Alex. "Sustainable Design in Theory and Practice." *Jornadas del Diseo*. Universidad Rafael Landivar. Guatemala City, Guatemala. 24 Sep. 2014. Conference Presentation.

**Published Conference Proceedings:** Lobos, Alex. "Timelessness in Product Design." *Proceedings of the 9th International Conference on Design and Emotion*. Ed. Juan Salamanca et.al. Bogota, Colombia: Universidad de los Andes, 2014. Web. «

### Kelly M Murdoch-Kitt, Assistant Professor

**Journal Paper:** Murdoch-Kitt, Kelly M. and Denielle Emans. "Design Nexus: Integrating Cross-cultural Learning Experiences Into Graphic Design Education." *Studies in Material Thinking* 11. (2014): 24-page PDF. Web. \*

**Published Conference Proceedings:** Murdoch-Kitt, Kelly M. and Denielle Emans. "My Water, My Change: Confronting Global Water Concerns through Cross-Cultural Collaboration." *Proceedings of the Design with the Other 90%*. Ed. Amanda Breytenbach and Kathryn Pope. Johannesburg, South Africa: Cumulus Johannesburg (Greenside Design Center and the University of Johannesburg), 2014. Web. «

### Josh K Owen, Professor

**Book Chapter:** Landa, Robin. "Creative Jolts." *DRAW!* San Francisco, CA: Peachpit Press, 2014. 185. Print.

**Full Length Book:** Owen, Josh. *Metaproject 04: Herman Miller*. Rochester, NY: Cohber Press, Inc., 2014. Print.

**Invited Article/Publication:** Rafferty, Rebecca. "Artists with Style." *Rochester City Newspaper*. (2014). Print.

**Invited Article/Publication:** Currey, Mason. "Josh Owen on Achieving Deep Focus." *Core 77*. (2014). Print.

**Invited Article/Publication:** Owen, Josh K. "El banco multifuncional de Josh Owen." *Folio*. (2014). Print.

**Invited Article/Publication:** Vzquez, Gabriel. "Josh Owen- Simple Calidad." *Chic Haus*. (2014). Print.

**Invited Article/Publication:** Russell, Nathaniel. "A Very Metaproject." *Herman Miller WHY*. (2014). Print.



**Invited Article/Publication:** Jr., core. "In Memoriam: Massimo Vignelli, 1931-2014." Core77. (2014). Print.

**Invited Article/Publication:** Mahoney, David. "ICFF14- Metaproject, Rochester Institute of Technology." Arts Thread Blog. (2014). Print.

**Invited Article/Publication:** Kritzeck, Mandy. "GlassLab and RIT: Activating the Archive." Corning Museum of Glass. (2014). Print.

**Invited Article/Publication:** Riojas, Carlos Daniel. "El Arte de Embellecer el Entorno." Entremuros. (2014). Print.

**Invited Article/Publication:** Staff, . "Schne Helfer." H.O.M.E. Deutschland. (2014). Print.

#### **Judged National/International Competition**

**Award Winner:** Owen, Josh. Rochester Institute of Technology. Full Professor. Rochester, NY, 2014.

**Shows/Exhibits/Installations:** Owen, Josh. Crafting the Cocktail. Dec. 2014. The Museum of the American Cocktail, Los Angeles. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. Faculty Exhibition. Nov. 2014. Rochester Institute of Technology, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. Metaproject 04: Herman Miller. May 2014. International Contemporary Furniture Fair, Jacob Javits Center, New York. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. Loll Designs + RIT. May 2014. Wanted Design, New York. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. CIAS Research, Scholarship and Creativity. Apr. 2014. Rochester Institute of Technology, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. Design Autopsy 14. 2014. Industrial Design Department, RIT, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Owen, Josh. 2014 Activating the Archive. 2014. Imagine RIT, Vignelli Center, Rochester. Exhibit.

**Invited Presentations/Keynotes:** Owen, Josh. "Lenses for Design." Department Lecture Series. Muskingum University. Columbus, OH. 23 Sep. 2014. Lecture.

**Invited Presentations/Keynotes:** Owen, Josh. "Design Thinking." Ignite Creative Passion Series. Hyundai Corporate Headquarters. Los Angeles, CA. 10 Aug. 2014. Lecture.

**Invited Presentations/Keynotes:** Owen, Josh. "Finding Simple." Architecture and Design Community Summer Lecture Series. DIS Danish Institute for Study Abroad. Copenhagen, Denmark. 1 Aug. 2014. Lecture.

**Invited Presentations/Keynotes:** Owen, Josh. "Applied Design Thinking." Rochester Cocktail Revival Seminar. Contemporary Art Center. Rochester, NY. 3 May 2014. Lecture.

**Invited Presentations/Keynotes:** Owen, Josh. "Finding Simple." Architecture Design Community. Museo de Arte Contemporaneo Monterrey. Monterrey, Mexico. 21 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Owen, Josh. "SOS Case Study." CIAS Symposium. CIAS Research, Scholarship, and Creativity Symposium. Rochester, NY. 30 Apr. 2014. Lecture.

#### *School of Film and Animation*

#### **Meghdad Asadilari**

**Shows/Exhibits/Installations:** Asadilari, Meghdad. Film Director. Oct. 2014. Savannah Film Festival, Savannah. Exhibit.

**Invited Article/Publication:** Asadilari, Meghdad. "Beyond the Spheres." The Real Science of BEYOND THE SPHERES. (2014). Web.

### Thomas D Gasek, Associate Professor

#### **Judged National/International Competition**

**Award Winner:** Gasek, Tom. San Francisco International Ocean Film Festival. Director's Award. San Francisco, CA, 2014. £

### David L Long, Associate Professor

**Journal Paper:** Long, David L and Mark D Fairchild. "Modeling Observer Variability and Metamerism Failure in Electronic Color Displays." *Journal of Imaging Science and Technology* 58. 3 (2014): 030402 1-14. Print. «

**Published Conference Proceedings:** Scholl, Victoria M., et al. "Motion Picture Science: A Fully Integrated Fine Arts/STEM Degree Program." *Proceedings of the IEEE Integrated STEM Education Conference*, Princeton, NJ March 2014. Ed. Ashutosh Dutta. Princeton, NJ: IEEE, Print. «

#### *School of Media Sciences*

### Christopher Bondy, Visiting Assistant Professor

**Journal Paper:** Bondy, Chris. "Transformation Mandate." *Signature*. November/December (2014): 34-39. Print. Δ ^

**Invited Presentations/Keynotes:** Bondy, Chris. "Transformation Mandate." *Association Magazine & Publishing Annual Meeting*. Association Magazine & Publishing (AM and P). Tyson's Corner, VA. 20 Apr. 2014. Keynote Speech. Δ

**Shows/Exhibits/Installations:** Bondy, Chris. *GraphExpo Forecast 2014*. 9 Oct. 2014. *WhatTheyThink.com*, Chicago. Performance. ^

**Invited Presentations/Keynotes:** Bondy, Chris. "21st Century Intersection of Computer Science and Graphic Communications." *American Consulate*, Chennai, India. USIEF. Chennai, India. 22 Mar. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Bondy, Chris. "Trends in the Graphic Communications Industry." Guest Lecture. Anna University, Engineering, CompSci, Print Depts. Chennai, India. 18 Mar. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Bondy, Chris. "Print Transformation." *SMS-CMIC Gannett Professor Industry Breakfast*. School of Media Sciences, CIAS. Rochester, NY. 8 Apr. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Bondy, Chris. "Optimization Through Workflow." *Thought Leadership Workshop*. Xerox. Rochester, NY. 6 May 2014. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Bondy, Chris. "Trends in Transactional and Promotional Printing." *Cross-Media Innovation Center*. School of Media Sciences. Rochester, NY. 16 Oct. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Bondy, Chris. "Higher-Ed, Influencing the Student Lifecycle." *Thought Leadership Workshop*. Xerox. Rochester, NY. 22 Oct. 2014. Keynote Speech. Δ

### Shu Chang, Visiting Assistant Professor

**Invited Presentations/Keynotes:** Chang, Shu. "Direct Three-Dimensional Visualization and Characterization of Microstructures Formed by Printing Particles." *NIP30: The 30th International Conference on Digital Printing Technologies and Digital Fabrication 2014*. Society of Imaging Science and Technology. Philadelphia, Pennsylvania. 10 Sep. 2014. Conference Presentation. Δ

**Published Conference Proceedings:** Chang, Shu, et al. "Direct Three-Dimensional Visualization and Characterization of Microstructures Formed by Printing Particles." *Proceedings of the NIP30: The 30th International Conference on Digital Printing Technologies and Digital Fabrication 2014*. Ed. Society for Imaging Science and Technology. Philadelphia, Pennsylvania: n.p., Print. Δ

**Published Conference Proceedings:** Chang, Shu, et al. "Characterizing Three Dimensional Microstructures Formed by Particles: An Example of Electrophotographic Printing Toner." *Proceedings of the 25th Annual International Solid FreeForm Fabrication Symposium*. Ed. David Bourell. Austin, Texas: n.p., 2014. Print. «



**Patents:** Chang, Shu, John Pawlak, and Michael Grande. "Method and System for Printing Personalized Medication." US Provisional Patent Application 20140134320. 15 May 2014.

**Patents:** Chang, Shu, et al. "Sampling Methodology for Measuring Power Consumption for a Population of Power-Consuming Devices." US Provisional Patent Application 20140288861. 25 Sep. 2014.

### Robert Y Chung, Professor

**Published Conference Proceedings:** Chung, Robert, Jing Sheng, and Pierre Urbain. "Further Analyses of the Relationship between Midtone Spread and  $\Delta Ch$ ." Proceedings of the TAGA conference, Fort Worth, TX, March 23-26, 2014. Ed. Mark Bohan. Sewickley, PA: TAGA, 2014. Web.

**Published Conference Proceedings:** Chung, Robert, Jing Sheng, and Chiawei Wu. "Gravure Press Calibration by G7 Simulation." Proceedings of the TAGA conference, Fort Worth, TX, March 23-26, 2014. Ed. Mark Bohan. Sewickley, PA: TAGA, 2014. Web.

### Twyla Cummings, Professor

**Invited Article/Publication:** Cummings, Twyla J. "Women in Graphic Communication: A Comparison of Two Studies." *Visual Communications Journal*. (2014). Print. £

**Invited Presentations/Keynotes:** Cummings, Twyla J. "Women in Graphic Communication: A Comparison of Two Studies." 2014 Industry Studies Association Conference. Industry Studies Association. Portland, OR. 29 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Cummings, Twyla J. "Women in Graphic Communication: One Woman's Journey." Printing Industries Alliance Women in Print. Printing Industries Alliance. Buffalo, NY. 6 Jun. 2014. Lecture.

### Elena A Fedorovskaya, Visiting Assistant Professor

**Published Conference Proceedings:** Fedorovskaya, E. A. and D. R. Lawrence. "Identifying Image Preferences Based on Demographic Classifications." Proceedings of the Human Vision and Electronic Imaging Conference XIX. Ed. Bernice E. Rogowitz, Thrasyvoulos N. Pappas, and Huib de Ridder. San Francisco, CA: SPIE Proceedings, 2014. Web. \*

**Published Conference Proceedings:** Fedorovskaya, E. A. and L. Yu. "Investigating the Effects of Publishing Approaches Using Print, Electronic and AR Media for Storytelling on User Experience." Proceedings of the 41st International Research Conference of IARIGA, Swansea, United Kingdom, September 2014. Ed. Nils Enlund and Mladen Lovrecek. Darmstadt, Germany: International Association of Research Organizations for the Information, Media and Graphic Arts Industries, 2014. Print. \*

**Book Chapter:** Joshi, Dhiraj, et al. "Aesthetics and Emotions in Images: A Computational Perspective." *Scene Vision*. Ed. Kestutis Kveraga and Moshe Bar. Cambridge, MA: MIT Press, 2014. 241-273. Print. Δ

**Invited Presentations/Keynotes:** Fedorovskaya, E. A. and D. Lawrence. "Identifying Image Preferences Based on Demographic Classifications." Human Vision and Electronic Imaging Conference XIX, IS&T/ SPIE Electronic Imaging Symposium, February 5, 2014, San Francisco, California. SPIE. San Francisco, CA. 5 Feb. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Fedorovskaya, E. A. "Transmedia Publishing." CMIC Summit. Rochester Institute of Technology. Rochester, NY. 15 Oct. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Fedorovskaya, E. A. and L. Yu. "Investigating the Effects of Publishing Approaches Using Print, Electronic and AR Media for Storytelling on User Experience." The International Association of Research Organizations for the Information, Media and Graphic Arts Industries Conference, September 7, Swansea, UK. IARIGAI. Swansea, UK. 7 Sep. 2014. Lecture. Δ

### Scott L McCarney

**Shows/Exhibits/Installations:** McCarney, Scott. Transformational Imagemaking. 19 Sep. 2014. CEPA Gallery, Buffalo, NY. Exhibit.

**Shows/Exhibits/Installations:** McCarney, Scott. Odd Volumes: Book Art from The Allan Chasanoff Collection. 7 Nov. 2014. Yale University Art Gallery, New Haven CT. Exhibit.

**Shows/Exhibits/Installations:** McCarney, Scott. Binding Desire: Unfolding Artists Books. 25 Jan. 2014. Otis College of Arts and Design, Los Angeles CA. Exhibit.

**Invited Presentations/Keynotes:** McCarney, Scott. "Scott McCarney PhotoBookworks." SMFA Visiting Lecture Series. Museum of Fine Arts Boston. Boston, MA. 13 Mar. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** McCarney, Scott. "The Death of the Book has Been Somewhat Exaggerated." Kate Cheney Chappell '83 Center for Book Arts Lecture. University of Southern Maine. Portland, ME. 25 Apr. 2014. Guest Lecture.

### Bruce Myers, Assistant Professor

**Journal Paper:** Myers, Bruce Leigh. "The Usage of Virtual Technologies for Contract Proofs in Commercial Printing Organizations." Visual Communications Journal 50. Spring (2014): 7-12. Print. £

### Nick Paulus

**Invited Presentations/Keynotes:** Paulus, Nicholas and Katherine Pitcher. "Open Access Publishing and Libraries." Open Access Publishing Workshop. Rochester Regional Library Council. Rochester, NY. 20 Jun. 2014. Guest Lecture.

### Michael Riordan

**Judged National/International Competition Award Winner:** Riordan, Michael. Juxtapose Exhibition/Darkroom Gallery. Honorable Mention. Essex Junction, VT, 2014.

**Shows/Exhibits/Installations:** Riordan, Michael. Maelstrom. Apr. 2014. Juxtapose Exhibition/Darkroom Gallery, Essex Junction, VT. Exhibit.

### Stephen Whittaker

**Invited Presentations/Keynotes:** Whittaker, Stephen R. "Five Year Sustainability Review of Monroe Litho, Inc." American Society for Quality Annual Conference. American Society for Quality. Rochester, NY. 4 Apr. 2014. Conference Presentation.

*School of Photographic Arts & Sciences*

### Roberley Bell, Professor

#### External Scholarly Fellowships:

10/29/2014-

11/16/2104

Fulbright Specialist to Koc University  
Istanbul Turkey

\*

**Shows/Exhibits/Installations:** Bell, Roberley. The Shape of the Afternoon. 1 May 2014. De-cordova Museum I, Lincoln MA. Installation. Δ

**Shows/Exhibits/Installations:** Bell, Roberley. Public Project : Chasing the Sky. 1 Dec. 2014. Albany International Airport, Albany, NY. Installation. «



**Invited Presentations/Keynotes:** Bell, Roberley. "Why and What We Teach in the First Year Studio." Symposium and Workshop for Teaching the First Year Studio. Fulbright and Koc University Istanbul Turkey. Research Center for Anatolian Civilizations KOC University Istanbul Turkey, Istanbul turkey. 11 Nov. 2014. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Bell, Roberley. "Walking as Learning to See with the Senses." Walking Workshop. Fulbright and Koc University. Istanbul, Turkey. 2 Nov. 2014. Address. «

#### **Meredith L Davenport, Assistant Professor**

**Full Length Book:** Davenport, Meredith. *Theater of War*. First ed. Bristol, United Kingdom: Intellect Ltc., 2014. Print. «

**Journal Paper:** Davenport, Meredith. "Theater of War." *Visual Communication Quarterly* Volume 21 No.4. October-December 2014 (2014): 236-243. Print. \*

**Invited Article/Publication:** Davenport, Meredith. "Memory City." *Afterimage*. (2014). Print. ^

#### **Denis Defibaugh, Professor**

**Shows/Exhibits/Installations:** Defibaugh, Denis. *Afterlives of Natural History*. Jan. 2014. Cornell University, Cornell Lab of Ornithology Gallery, Ithaca. Exhibit. Δ

**Invited Article/Publication:** Defibaugh, Denis. "From Prostitutes to Polkas, A Remembrance of the Historic Range Rider Lodge in Silver Gate, Montana." *Big Sky Journal*. (2014). Print. Δ

**Shows/Exhibits/Installations:** Defibaugh, Denis. *Day of the Dead*. Sep. 2014. Longmont Art Museum, Longmont, Co. Exhibit. Δ

**Invited Article/Publication:** Defibaugh, Denis. "Illuminated Manuscript." *Selections*. (2014). Print.

**Invited Presentations/Keynotes:** Defibaugh, Denis. "Afterlives of Natural History." Exhibition lecture. Cornell University. Ithaca, NY. 20 Mar. 2014. Lecture. Δ

#### **Judged National/International Competition**

**Award Winner:** Defibaugh, Denis and Lorrie Frear. 43rd International Creativity Awards. Best of Show International Award to Positive Negative Magazine. Louisville, KY, 2014. \*

#### **Angela Kelly, Associate Professor**

**Invited Presentations/Keynotes:** Kelly, Angela. "Lament." 2nd Photo Media Conference, Aalto University, Helsinki Finland. Aalto University. Helsinki, Finland. 27 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kelly, Angela. "Lament." Ulster-American Heritage Symposium. Ireland's Great Hunger Institute at Quinnipiac University. Hamden, Conn. 18 Jun. 2014. Lecture. \*

**Shows/Exhibits/Installations:** Kelly, Angela. *Jay Tichy: Aroundcenter*, Chrysalis Series. 6 Jun. 2014. The Chicago Cultural Center, Chicago. Exhibit. Δ

**Shows/Exhibits/Installations:** Kelly, Angela. *pal.imp.sest- An Installation of Photographs and Objects*. 2 Feb. 2014. Sunken Gallery, Wallace Center RIT,, Rochester NY. Installation.

**Shows/Exhibits/Installations:** Kelly, Angela. *Catharsis: Images of Post Conflict Belfast*, Solo Exhibit. 6 Oct. 2014. Mason-Scharfenstein Museum of Art, Demorest GA. Exhibit.

#### **Michael R Peres, Professor**

**Invited Presentations/Keynotes:** Peres, Michael. "Its not the Destination but the Journey." Bio-Comm 2104. Biocommunications Association. Rochester, MN. 20 Jul. 2014. Keynote Speech.

**Invited Paper:** Peres, Michael. "Photographing Snowflakes." *Phot.Net*. (2014). Web. Δ

#### **Christye P Sisson, Associate Professor**

**Patents:** Sisson, Christye, et al. "Automated Fundus Image Field Detection and Quality Assessment." Patent 14/511936. 10 Oct. 2014.

**Journal Paper:** Sisson, Christye, et al. "Analysis of Color Consistency in Retinal Fundus Photography: Application of Color Management and Development of an Eye Model Standard." *Analytical Cellular Pathology* 2014. (2014): 2. Web. Δ

**Joshua J Thorson, Visiting Assistant Professor**

**Invited Article/Publication:** Josh, Thorson,. "Evenings in New York." *Connu.co.* (2014). Web. Δ

**Edward K White**

**Published Conference Proceedings:** White, Ken. "Photography As Fiction: Four Stages of Evolution in the Nineteenth Century." *Proceedings of the Photography & Fictions: Locating Dynamics of Practice.* Queensland Festival of Photography 5 Conference. Brisbane, AUSTRALIA. April 2014. Ed. Victoria Garnons-Williams, PhD. Brisbane, Queensland, AUSTRALIA: Queensland Centre for Photography, 2014. Print. \*

**Invited Presentations/Keynotes:** White, Ken. "Teaching History of Photography in the Digital Age." *PhotoHistory XVI. Triennial Conference.* George Eastman House and The Photographic Historical Society. Rochester, NY. 11 Oct. 2014. Conference Presentation. £







*Dean's Office*

**M Ann Howard, Professor**

**Published Conference Proceedings:** Johannsson, Magnus and M. Ann Howard. "Community Based Learning in Sweden and the United States- What Works in Different Local Contexts." Proceedings of the Living Knowledge Conference. Ed. Sosser Brodersen, Jens Dorland & Michael Sogaard Jorgensen. Copenhagen, Denmark: n.p., 2014. Web. \*

**James Winebrake, Professor**

**Journal Paper:** Green, E. H., S. J. Skerlos, and J. J. Winebreak. "Increasing Electric Vehicle Policy Efficiency and Effectiveness by Reducing Mainstream Market Bias." *Energy Policy* 65. (2014): 562-566. Print. \*

**Invited Presentations/Keynotes:** Winebrake, James J., James J. Corbett, and Heather Thomson. "Natural Gas v. Conventional Fuel for Waterborne Freight Transport: A Life Cycle Emissions Assessment with Case Studies." Transportation Research Board Annual Meeting. Transportation Research Board. Washington, DC. 12-16 Jan. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Winebrake, James J. and James J. Corbett. "Global Trends in Maritime Transport." Canadian Marine Pilot's Association Congress. Canadian Marine Pilot's Association. Ontario, Canada. 11 Sep. 2014. Conference Presentation.

*Department of Communication*

**Ammina B Kothari, Assistant Professor**

**Journal Paper:** Kothari, Ammina. "The Ethics of Keeping HIV/AIDS Newsworthy in Tanzania." *Journalism Practice*. (2014): 1-16. Print. «

**Journal Paper:** Kothari, Ammina and Dennis Elliott. "HIV/AIDS Information on East African Websites: A Comparative Analysis." *Journal of African and Asian Studies*. (2014): 1-14. Print. «

**Invited Presentations/Keynotes:** Kothari, Ammina. "Teaching Panel Session: Preparing Journalism Students for a Globalized World." Annual Conference. Association for Education in Journalism and Mass Communication. Montreal, Canada. 8 Aug. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Kothari, Ammina. "Role of Elite News Sources in Shaping Coverage of HIV/AIDS." Annual Conference. Association for Education in Journalism and Mass Communication. Montreal, Canada. 7 Aug. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kothari, Ammina and Andrea Hickerson. "Social Media in Journalism Education: Comparing Student and Faculty Expectations." Annual Conference. International Association for Media and Communication Research. Hyderabad, India. 13 Jul. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kothari, Ammina and Dennis Elliott. "Acknowledging and Acting on SMS Health Messages: A Study of User Needs in Tanzania." Annual Conference. International Association for Media and Communication Research,. Hyderabad, India. 14 Jul. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kothari, Ammina and Dennis Elliott. "Acknowledging and Acting on SMS Health Messages: A Study of User Needs in Tanzania." Mobile Pre-conference. International Communication Association. Seattle, WA. 21 May 2014. Conference Presentation. «



### **Hinda B Mandell, Assistant Professor**

**Journal Paper:** Martin, Kelly and Hinda Mandell. "Faces of Political Sex Scandal: Investigating Pathways to Penance, Remedy and Resolution through Iconic Scandal." *Visual Communication Quarterly* 21. 4 (2014): 236-247. Print. «

### **Kelly Martin, Assistant Professor**

**Journal Paper:** Johnson, Melissa and Kelly Norris Martin. "When Navigation Trumps Visual Dynamism: Hospital Website Usability and Credibility." *The Journal of Promotion Management* 20. 5 (2014): 666-687. Print. «

**Book Chapter:** Martin, Kelly Norris. "Navigating the Scattered and Fragmented: Visual Rhetoric, Visual Studies and Visual Communication." *Routledge Companion to Visual Organization*. Ed. E. Bell, S. Warren, and J. Schroeder. New York, NY: Routledge, 2014. 188-201. Print. Δ

**Journal Paper:** Martin, Kelly Norris and Hinda Mandell. "Faces of Political Sex Scandal: Investigating Pathways to Penance, Remedy and Resolution through Iconic Scandal." *Visual Communication Quarterly* 21. 4 (2014): 236-247. Print. \*

### **Jonathan Schroeder, Professor**

**Full Length Book:** Schroeder, Jonathan E. *Brands: Interdisciplinary Perspectives*. New York, NY: Routledge, 2014. Print. £

**Journal Paper:** Schroeder, Jonathan E., Janet L. Borgerson, and Zhiyan Wu. "A Brand Culture Approach to Brand Literacy: Consumer Co-creation and Emerging Chinese Luxury Brands." *Advances in Consumer Research*. (2014): 1-20. Print. Δ

**Journal Paper:** Schroeder, Jonathan E. "Editorial." *Consumption Markets & Culture* 17. 1 (2014): 1. Print. Δ

**Journal Paper:** Schroeder, Jonathan E. "Editorial." *Consumption Markets & Culture* 17. 6 (2014): 519-521. Print. Δ

**Full Length Book:** Bell, Emma, Samantha Warren, and Jonathan Schroeder. *The Routledge Companion to Visual Organization*. Oxford, UK: Routledge, 2014. Print. £

**Book Chapter:** Schroeder, Jonathan E. "Foreword." *Dance, Consumerism, and Spirituality*. Basingstoke, UK: Palgrave-Macmillan, 2014. xi-xiv. Print. Δ

**Book Chapter:** Schroeder, Jonathan E. "Semiotics." *Wiley Encyclopedia of Management* 3rd ed. Ed. Cary Cooper. New York, NY: Wiley and Sons, 2014. 512-513. Web. Δ

**Journal Editor:** Schroeder, Jonathan E., ed. *Consumption Markets & Culture*. Oxford: Taylor and Francis, 2014. Print. «

**Journal Paper:** Martin, Kelly Norris and Jonathan E Schroeder. "Introduction: When Images Cause Trouble." *Visual Communication Quarterly* 21. October-December (2014): 184-185. Print.

**Journal Editor:** Martin, Kelly Norris and Jonathan E Schroeder, ed. *Visual Communication Quarterly- Special Issue on When Images Cause Trouble*. New York: Routledge, 2014. Print. «

**Published Conference Proceedings:** Wu, Zhiyan, Janet Borgerson, and Jonathan Schroeder. "Global Cultural Branding through the Investment of Historical Culture: A Case Study of the Beijing Olympics Opening Ceremony." *Proceedings of the Conference on Positioning Cities: Innovative and Sustainable Strategies for City Development and Transformation Forum for Asian Studies*. Ed. Forum for Asian Studies. Beijing, China: n.p., 2014. Print. Δ

**Published Conference Proceedings:** Schroeder, Jonathan, Janet Borgerson, and Zhiyan Wu. "Brand Culture: Concepts and Case Studies." *Proceedings of the International Conference on Creative Industries and Cultural Economics*. Ed. Tain-Dow Lee. Taipei, Taiwan: Graduate Institute of Creative Industries, Shih Chien University, 2014. Print. Δ

## Featured Faculty

**JONATHAN SCHROEDER** IS THE WILLIAM A. KERN PROFESSOR OF COMMUNICATIONS IN THE SCHOOL OF COMMUNICATION IN THE COLLEGE OF LIBERAL ARTS. HIS RESEARCH INTERESTS ARE IN THE INTERSECTIONS OF BRANDING, MARKETING COMMUNICATION, PHOTOGRAPHY, AND VISUAL CULTURE.

I am especially interested in photography and how it works within advertising, branding, social media, and strategic communication. RIT has been a productive place for my work.

An ongoing research project is to develop a series of historical and contemporary examples to trace a visual genealogy of the ubiquitous selfie. Preliminary work has identified several interdisciplinary ways of framing the selfie, including self-portraiture, the snapshot, and self-presentation. As a contemporary version of the self-portrait, the selfie, rooted as it is in participatory consumer culture of new media forms, can be characterized as a significant form of self-expression, in which power may be subtly shifting to the hands of the consumers from the owners of social networking and image-sharing sites, while at the same time generating concerns over appropriation, privacy, security and surveillance.

For brands, selfies have been deployed as new strategic tools to promote brands as authentic, to invoke the “average consumer” as a credible product endorser, and to show how brands might fit in with consumers’ lifestyles. I have found that within strategic brand communication, selfies invoke a realist interpretive frame that supports a range of powerful, positive associations for consumers, while at the same time valorizing a sense of staged spontaneity, in the moment, “authentic” record of consumer experience. Insights from this project include how strategic uses of the selfie reveal shifts in the traditional functions of the advertising photograph, from sources of information, persuasion and representation to emblems of celebrity, digital existence, and social currency. By taking a close look at how strategic imagery utilizes the selfie, insight is gained into how contemporary visual culture articulates certain assumptions about authenticity and lived experience, and how such articulations construct viewers as consuming subjects.

**JONATHAN SCHROEDER**  
PROFESSOR  
SCHOOL OF COMMUNICATIONS  
COLLEGE OF LIBERAL ARTS





# Design: Vignelli

In 1971, the Italian designers were invited to New York to create the Corporate Identity for the American Telephone and Telegraph. The project was a landmark in the history of corporate identity, as it was the first time that a corporate identity was designed for a large company. The project was a landmark in the history of corporate identity, as it was the first time that a corporate identity was designed for a large company. The project was a landmark in the history of corporate identity, as it was the first time that a corporate identity was designed for a large company.

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**Invited Presentations/Keynotes:** Schroeder, Jonathan E. "Brand Culture: Concepts and Case Studies." International Conference on Creative Industries and Cultural Economics. Graduate Institute of Creative Industries, Shih Chien University. Taipei, Taiwan. 20 Mar. 2014. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan and Janet Borgerson. "Designed for Hi-Fi Living: Records of Mid-Century America." Bridge Program for Entrepreneurship, Innovation and Production. Linnaeus University. Vaxjo, Sweden. 7 Oct. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan E. "Perspectives in Brand Culture." Brands and Brand Relationships Conference. Boston University School of Management. Boston, MA. 22 May 2014. Conference Presentation. Δ

**Book Chapter:** Schroeder, Jonathan E. "Brands and Branding." Wiley-Blackwell Concise Encyclopedia of Consumption and Consumer Studies. Ed. Dan Cook and Michael J. Ryan. New York, NY: Wiley and Sons, 2014. 76-78. Web. Δ £

**Invited Presentations/Keynotes:** Schroeder, Jonathan E. "Communicating Identity/Consuming Difference." Making a Difference Workshop. Handelsbanken Foundation, Sweden. Sandwich, MA. 6 Jun. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan E. "Snapshot Aesthetics and the Strategic Imagination." Moody School of Communication Seminar Series. University of Texas at Austin. Austin, TX. 1 Dec. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan E and Janet L Borgerson. "Interdisciplinary Looks at Representation and Identity." William A. Kern Conference in Visual Communication. Rochester Institute of Technology. Rochester, NY. 25 Apr. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan E. "The Snapshot in Consumer Culture: A Look at Authenticity and Visual Style." Consumer Culture Theory Conference. Aalto University. Helsinki, Finland. 27 Jun. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Borgerson, Janet L and Jonathan E Schroeder. "From Chinese Brand Culture to Global Brands." Integrated Marketing Communication Seminars. Medill School of Journalism, Northwestern University. Chicago, IL. 19 Aug. 2014. Guest Lecture. Δ

### **Tracy Worrell, Associate Professor**

**Journal Paper:** O'Mally, Aisha and Tracy R. Worrell. "Statistics or Stories, Black or White?: Examining Influences of African-American Organ Donation." Howard Journal of Communication 25. 1 (2014): 98-114. Print. «

**Journal Paper:** Rantanen, Esa, et al. "Linguistic Analysis of Clinical Communications: A Novel Method for Study of Diagnostic Errors." Proceedings of the 2014 International Symposium on Human Factors and Ergonomics in Health Care: Leading the Way 3. 1 (2014): 207-213. Print. \*

**Invited Presentations/Keynotes:** Worrell, Tracy R. "Image Echoes: The Portrayal of Disability in Fiction and the Popular Press." Kern Conference on Visual Communication. RIT. Rochester, New York. 24 Apr. 2014. Keynote Speech. Δ

*Department of Criminal Justice*

### **Irshad Altheimer, Associate Professor**

#### **External Scholarly Fellowships:**

10/1/2014-

9/30/2016

Bureau of Justice Assistance (Project Safe Neighborhoods)

Amount: \$299,961.00

\*



### John M Klofas, Professor

**Invited Article/Publication:** Klofas, John. "Report of the Independent Monitor." Detroit Police Department. (2014). Print. «

**Invited Article/Publication:** Klofas, John. "Report of the Independent Monitor." Oakland Police Department. (2014). Print. «

**Invited Article/Publication:** Klofas, John, et al. "Juror Stress Pilot Intervention." Monroe County District Attorney's Office. (2014). Print. «

#### External Scholarly Fellowships:

7/1/2014-  
6/30/2015  
New York Division of Criminal Justice Services (Evaluation of New York's Gun Involved Violence Elimination Initiative)  
Amount: \$311,000.00  
\*

#### External Scholarly Fellowships:

8/31/2014-  
1/20/2015  
City of Rochester (2014 Evaluation of Pathways to Peace Street Outreach Program)  
Amount: \$50,000.00  
\*

#### External Scholarly Fellowships:

10/1/2014-  
9/30/2017  
New York Division of Criminal Justice Services (Assessment of Program Fidelity of Correctional Programs)  
Amount: \$224,690.00  
\*

#### External Scholarly Fellowships:

10/1/2014-  
9/30/2016  
Bureau of Justice Assistance (Project Safe Neighborhoods)  
Amount: \$299,961.00  
\*

### John McCluskey, Professor

**Journal Paper:** McCluskey, John D., et al. "Does Organizational Structure Matter? Investigation Centralization, Case Clearances, and Robberies." *Police Quarterly* 17. 3 (2014): 250-257. Print. «

**Journal Paper:** McCluskey, John D., et al. "Researcher-practitioner Partnerships & Crime Analysis: A Case Study in Action Research." *Police Practice and Research* 15. 5 (2014): 404-418. Print. \*

**Journal Paper:** McCluskey, John D., et al. "Parent and Teacher Practices as Sources of Low Self-Control: Evidence from Korea." *Youth Violence and Juvenile Justice* 12. 2 (2014): 167-187. Print. «

**Invited Article/Publication:** McCluskey, John D. and Jeffrey M. Cancino. "Commercial and Bank Robbery." *Oxford Online Annotated Bibliographies*. (2014). Print. Δ

### Laverne McQuiller, Associate Professor

**Journal Paper:** Williams, LaVerne McQuiller. "Sex in the City: Why and How Sex Workers Select Their Locations for Business." *Journal of Contemporary Ethnography* 43. 6 (2014): 659-694. Print. «

**Invited Article/Publication:** Williams, LaVerne McQuiller, et al. "Juror Stress Pilot Intervention." Monroe County District Attorney's Office. (2014). Print. «

**Invited Article/Publication:** Williams, LaVerne McQuiller and Judy Porter. "A Comparison of Deaf College Students' and Hard of Hearing College Students' Experiences and Risk Factors of Psychological and Physical Abuse." *Sage Open Access*. (2014). Web. «

**Invited Presentations/Keynotes:** Williams, LaVerne McQuiller. "The Relationship Between Child Maltreatment and Partner Violence Victimization and Perpetration Among College Students: A Focus on Auditory Atatus and Gender." Academy of Criminal Justice Sciences. Academy of Criminal Justice Sciences. San Fransico, CA. 1 Oct. 2014. Conference Presentation. \*

**Judy L Porter, Associate Professor**

**Invited Article/Publication:** Porter, Judy and LaVerne McQuiller Williams. "A Comparison of Deaf College Students' and Hard of Hearing College Students' Experiences and Risk Factors of Psychological and Physical Abuse." Sage Open Access. (2014). Web. «

**Invited Presentations/Keynotes:** Porter, Judy and LaVerne McQuiller Williams. "The Relationship Between Child Maltreatment and Partner Violence Victimization and Perpetration Among College Students: A Focus on Auditory Atatus and Gender." Academy of Criminal Justice Sciences. Academy of Criminal Justice Sciences. San Francisco, CA. 1 Oct. 2014. Conference Presentation. \*

**Christopher Schreck, Professor**

**Full Length Book:** Schreck, Christopher J., et al. *Criminological Theories: A Brief Introduction*. 4 ed. Needham Heights, MA: Allyn and Bacon, 2014. Print. «

**Journal Paper:** Schreck, Christopher J., et al. "An Examination of Peer Network Structure and Target Suitability Risk Factors for Sexual Victimization of Adolescent Females." *Women and Criminal Justice* 24. (2014): 62-81. Print. «

**Book Chapter:** Schreck, Christopher J. "Juvenile Victimization." *Encyclopedia of Criminology and Criminal Justice*. Ed. G. Bruinsma and D. Weisburd. New York, NY: Springer-Verlag, 2014. 2785-2793. Print. «

**Book Chapter:** Schreck, Christopher J. "Specialization and Crime." *Encyclopedia of Criminology and Criminal Justice*. Ed. G. Bruinsma and D. Weisburd. New York, NY: Springer-Verlag, 2014. 3315-3321. Print. «

**Invited Article/Publication:** Schreck, Christopher J., J. Mitchell Miller, and Holly Ventura Miller. "A Process and Impact Evaluation of the YAP Program." Submitted to the University of Texas at San Antonio. (2014). Print. «

**Jason Scott, Associate Professor**

**Invited Article/Publication:** Scott, Jason, et al. "Juror Stress Pilot Intervention." *Juror Stress Pilot Intervention*. (2014). Print. «

**Tony Smith, Associate Professor**

**Published Conference Proceedings:** Smith, Tony R. "Self-Control, Deviant Peers, and Fraudulent Behavior." *Proceedings of the Annual Meeting of the Academy of Criminal Justice Sciences*. Ed. Unknown. Philadelphia, PA: n.p., 2014. Print. «

*Department of Economics*

**Amit Batabyal, Professor**

**Journal Paper:** Batabyal, Amitrajeet A. and Peter Nijkamp. "Positive and Negative Externalities in Innovation, Trade, and Regional Economic Growth." *Geographical Analysis* 46. (2014): 1-17. Print. «

**Journal Paper:** Batabyal, Amitrajeet A. and Peter Nijkamp. "Some Properties of the Technology Gap Between Leading and Lagging Regions." *Theoretical Economics Letters* 4. (2014): 1-6. Print. \*

**Journal Paper:** Batabyal, Amitrajeet A. and Peter Nijkamp. "Technology, Learning, and Long Run Economic Growth in Leading and Lagging Regions." *Economic and Political Weekly* 49. (2014): 92-96. Print. \*



**Journal Paper:** Usman, Umer and Amitrajeet A. Batabyal. "Goods Production, Learning by Doing, and Growth in a Region With Creative and Physical Capital." *International Review of Economics and Finance* 33. (2014): 92-99. Print. «

**Journal Paper:** Batabyal, Amitrajeet A. and Hamid Beladi. "The Equilibrium Allocation of Creative Capital to R&D in a Dynamic Creative Region." *Theoretical Economics Letters* 4. (2014): 425-430. Print. \*

**Journal Paper:** Batabyal, Amitrajeet A. and Peter Nijkamp. "A Model of Trade Between Creative Regions in the Presence of Sector Specific Learning by Doing." *Journal of Evolutionary Economics* 24. (2014): 573-585. Print. \*

**Journal Paper:** Batabyal, Amitrajeet A. and Hamid Beladi. "Innovation Driven Economic Growth in Multiple Regions and Taxation: A Dynamic Analysis." *International Regional Science Review* 37. (2014): 459-472. Print. «

**Journal Paper:** Batabyal, Amitrajeet A. and Peter Nijkamp. "Innovation, Decentralization, and Planning in a Multi-Region Model of Schumpeterian Economic Growth." *Networks and Spatial Economics* 14. (2014): 605-628. Print. «

**Full Length Book:** Batabyal, Amitrajeet A. *Dynamic and Stochastic Resource Economics*. 1 ed. Singapore, Singapore: World Scientific Publishing, 2014. Print. «

**Book Chapter:** Batabyal, Amitrajeet A. "Introduction to Dynamic and Stochastic Resource Economics." *Dynamic and Stochastic Resource Economics*. Singapore, Singapore: World Scientific Publishing, 2014. 3-41. Print. \*

**Book Chapter:** Batabyal, Amitrajeet A. "Aspects of the Management of Ecological-Economic Systems with a Safe Minimum Standard." *Dynamic and Stochastic Resource Economics*. Singapore, Singapore: World Scientific Publishing, 2014. 199-208. Print. \*

**Book Chapter:** Batabyal, Amitrajeet A. "An Analysis of Inspections When Economic Cost Reduction Matters More than Biological Invasion Damage Control." *Dynamic and Stochastic Resource Economics*. Singapore, Singapore: World Scientific Publishing, 2014. 257-268. Print. \*

**Book Chapter:** Batabyal, Amitrajeet A. and Peter Nijkamp. "Biodiversity Prospecting Over Time and Under Uncertainty: A Theory of Sorts." *Handbook on the Economics of Ecosystem Services and Biodiversity*. Ed. Paulo A.L.D. Nunes, Pushpam Kumar, and Tom Dedeeuwae. Cheltenham, UK: Edward Elgar, 2014. 252-263. Print. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *Handbook on Energy and Climate Change*, by R. Fouquet. *Choice Jun.* 2014: 889. Print. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *The Natural Gas Revolution*, by R. W. Kolb. *Choice Jul.* 2014: 1061. Print. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *Breaking Out*, by P. Desai. *Breaking Out* 2014: 1. Web. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *Electrifying India*, by S.S. Kale. *Choice Aug.* 2014: 2237. Print. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *The Great Escape*, by A. Deaton. *Growth and Change* 2014: 397-398. Print. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *Mr. President*, by H.G. Unger. *Mr. President* 2014: 1. Web. \*

**Published Review:** Batabyal, Amitrajeet A. Rev. of *Environmental Markets*, by T.L. Anderson and G.D. Libecap. *Choice Nov.* 2014: 665. Print. \*

**Journal Editor:** Batabyal, Amitrajeet A., ed. *Letters in Spatial and Resource Sciences*. Heidelberg: Springer, 2014. Print. «



**Invited Presentations/Keynotes:** Batabyal, Amitrajeet A. "Biodiversity Prospecting Over Time and Under Uncertainty: A Theory of Sorts." European Regional Science Association. Russian Branch. St. Petersburg, Russia. 28 Aug. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Batabyal, Amitrajeet A. "Innovation, Decentralization, and Planning in a Multi-Region Model of Schumpeterian Economic Growth." North American Regional Science Council. North American Branch. Bethesda, MD. 14 Nov. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Batabyal, Amitrajeet A. "Technology, Learning, and Long Run Economic Growth in Leading and Lagging Regions." Southern Regional Science Association. Southern Regional Science Association. San Antonio, TX. 21 Mar. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Batabyal, Amitrajeet A. "Digital Technologies, Knowledge Spillovers, Innovation Policies, and Economic Growth in a Creative Region." International Workshop. Tinbergen Institute. Amsterdam, Netherlands. 11 May 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Batabyal, Amitrajeet A. "Aspects of the Accumulation of Creative Capital in a Regional Economy." RSAI Japan Section Annual Meeting. Japan Section. Kashiwa, Japan. 8 Oct. 2014. Conference Presentation. £

### **Jeffrey Wagner, Professor**

**Journal Paper:** Macksamie, Kevin, Jeffrey Wagner, and Juan Cockburn. "Feedback Control for Ecosystem Management: The Case of Wolf-Elk-Hunting Dynamics in the US Mountain West." *Journal of Mountain Science* 11. 4 (2014): 850-865. Print. «

**Journal Paper:** Kinler, Kyle and Jeffrey Wagner. "Greenness Versus Safety in Vehicle Footprint Selection." *Letters in Spatial and Resource Sciences* 7. 1 (2014): 35-45. Print. «

### *Department of English*

### **Cecilia Alm, Assistant Professor**

**Journal Paper:** Guo, X, et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Image Understanding." *Journal of Artificial Intelligence in Medicine* 62. 2 (2014): 79-90. Web. \*

**Published Conference Proceedings:** Guo, X., et al. "Fusing Multimodal Human Expert Data Towards Semantic Image Use." *Proceedings of the Proceedings of the 7th Workshop on Eye Gaze in Intelligent Human Machine Interaction: Eye-Gaze & Multimodality*. Ed. Nb. Istanbul, Turkey: ACM, 2014. Web. «

**Published Conference Proceedings:** Hochberg, L., et al. "Towards Automatic Annotation of Clinical Decision-making Style." *Proceedings of the Proceedings of LAW VIII- The 8th Linguistic Annotation Workshop at COLING 2014*. Ed. Lori Levin, Manfred Stede. Dublin, Ireland: n.p., 2014. Web. «

**Published Conference Proceedings:** Bullard, J., et al. "Towards Multimodal Modeling of Physicians' Diagnostic Confidence and Self-awareness Using Medical Narratives." *Proceedings of the Proceedings of COLING 2014, the 25th International Conference on Computational Linguistics: Technical Papers*. Ed. Junichi Tsuji and Jan Hajic. Dublin, Ireland: Dublin City University and Association for Computational Linguistics, 2014. Web. \* «

**Published Conference Proceedings:** Moseley, N., C. O. Alm, and M. Rege. "Toward Inferring the Age of Twitter Users From Their Use of Non-standard Abbreviations and Lexicon." *Proceedings of the Proceedings of IEEE IRI 2014*. Ed. Elisa Bertino, Bhavani Thuraisingham, Ling Liu, James Joshi. San Francisco, California: IEEE, 2014. Web. £



**Published Conference Proceedings:** L., Hochberg et al. "Decision Style in a Clinical Reasoning Corpus." Proceedings of the Proceedings of the 2014 Workshop on Biomedical Natural Language Processing (BioNLP 2014),. Ed. Kevin Bretonnel Cohen et al. Baltimore, Maryland: ACL, Web. «

**Published Conference Proceedings:** C., Homan, et al. "Toward Macro-Insights for Suicide Prevention: Analyzing Fine-Grained Distress at Scale." Proceedings of the Proceedings of the Workshop on Computational Linguistics and Clinical Psychology: From Linguistic Signal to Clinical Reality at the 52nd Annual Meeting of the Association for Computational Linguistics. Ed. Resnik, P., Resnik, R., Mitchell, M. Baltimore, Maryland: n.p., Web. «

**Published Conference Proceedings:** Moseley, N., C. O. Alm, and Rege, M. "User-annotated Microtext Data for Modeling and Analyzing Sociolinguistic Characteristics and Age Grading." Proceedings of the Proceedings of IEEE Eighth International Conference on Research Challenges in Information Science. Ed. Rebecca Deneckere, Marko Bajec, Martine Collard. Marrakesh, Morocco: IEEE, Web. £

**Published Conference Proceedings:** Guo, X., et al. "Infusing Perceptual Expertise and Domain Knowledge into a Human-centered Image Retrieval System: A Prototype Application." Proceedings of the ETRA 2014. Ed. Nb. Safety Harbor, Florida: ACM, Web. £

**Published Conference Proceedings:** Vaidyanathan, P., et al. "Recurrence Quantification Analysis Reveals Differences in Eye-movement Behavior Between Expert and Novice Dermatologists." Proceedings of the ETRA 2014. Ed. Unknown. Safety Harbor, Florida: n.p., 2014. Web. £

#### **Laura A Shackelford, Associate Professor**

**Full Length Book:** Shackelford, Laura. Tactics of the Human: Experimental Technics in American Fiction. Ann Arbor, MI: University of Michigan Press, 2014. Print. \*

**Book Chapter:** Shackelford, Laura. "Systems Thinking in Wes Anderson's The Life Aquatic with Steve Zissou and Moonrise Kingdom." The Films of Wes Anderson: Critical Essays on an Indie Icon. Ed. Peter C. Kunze. NY, NY: Palgrave MacMillan Academic Press, 2014. 199-213. Print. \*

**Journal Paper:** Shackelford, Laura. "Migrating Modes: Multimodality in Digital Poetics as Another Kind of Language." Mosaic: A Journal for the Interdisciplinary Study of Literature 47. 4 (2014): 99-118. Print. \*

**Invited Presentations/Keynotes:** Shackelford, Laura. "I'm Right on the Edge...' Unfolding Wes Anderson's Recursive Gestures Through Media Time." Culture, Literature, and the Arts Program. University of Washington, Bothell. Seattle, WA. 22 Apr. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Shackelford, Laura. "Reading Poetics Through Lived Space." E-Poetry 2014 Intensive Mayaguez. University of Puerto Rico, Mayaguez. Mayaguez, Puerto Rico. 16 Mar. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Shackelford, Laura. "Moves Like Poetics." EPC @ 20: Electronic Poetry Center's 20th Anniversary Symposium. Department of Media Study, University of Buffalo. Buffalo, NY. 11 Sep. 2014. Conference Presentation. Δ

#### **Dianna K Winslow, Assistant Professor**

**Invited Presentations/Keynotes:** Winslow, Dianna. "From Classroom to Program: A Teacher/WPA's Role in Shifting Attitudes toward Non-Standard Englishes" Conference on College Composition and Communication. National Council of Teachers of English. Indianapolis, Indiana. 19-22 Mar. 2014. Conference Presentation. \* Δ £

*Department of History*

**Tamar Carroll, Assistant Professor**

**Published Review:** Carroll, Tamar. "Review." Rev. of *Fighting Jim Crow in the Country of Kings: The Congress of Racial Equality in Brooklyn*, by Brian Purnell. *Law and History Review* May 2014: 444-447. Print. Δ

**Invited Presentations/Keynotes:** Carroll, Tamar. "Transforming the Movement: Working Class Feminism in the 1970s." *Gender Workshop*. University of Georgia. Athens, GA. 10 Apr. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Carroll, Tamar. "Turn Anger, Fear, Grief into Action": ACT UP New York." Robert Marcus Memorial Lecture. Department of History, SUNY Brockport. Brockport, NY. 6 Mar. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Carroll, Tamar. "The Legacy and Lessons of Working Class Feminism." *A Revolutionary Moment: Women's Liberation in the late 1960s and early 1970s*. Boston University. Boston, MA. 28 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Carroll, Tamar. "Encountering Community: Health Activism in New York City, 1960-present." Annual Meeting. Organization of American Historians. Atlanta, GA. 13 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Carroll, Tamar. "Women in the War on Poverty." Biennial Conference. Urban History Association. Philadelphia, PA. 10 Oct. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Carroll, Tamar. "Is New York a Liberal City?" *Researching New York Conference*. SUNY Albany. Albany, NY. 21 Nov. 2014. Conference Presentation.

**Invited Article/Publication:** Carroll, Tamar. "Richard Cloward." *American National Biography Online*. (2014). Web.

**Joseph Henning, Associate Professor**

**Invited Presentations/Keynotes:** Henning, Joseph M. "Constructing U.S.- Japanese Relations: William Elliot Griffis and Meiji Japan." Pacific Coast Branch of the American Historical Association. PCB-AHA. Portland, OR. 15 Aug. 2014. Conference Presentation. Δ £

**Rebecca Scales, Assistant Professor**

**Published Review:** Scales, Rebecca P. "Karen Bijsterveld, ed. *Soundscapes of the Urban Past: Staged Sound as Mediated Cultural Heritage*." Rev. of Karen Bijsterveld, ed. *Soundscapes of the Urban Past: Staged Sound as Mediated Cultural Heritage*, by NA. *Technology and Culture* 2014: 18-20. Print.

**Published Review:** Scales, Rebecca P. "Review of Ylva Soderfeldt, *From Pathology to Public Sphere: The German Deaf Movement, 1848-1914*." Rev. of Review of Ylva Soderfeldt, *From Pathology to Public Sphere: The German Deaf Movement, 1848-1914*. *H-Disability*, by NA. *H-Disability* Jul. 2014: NA. Web.

**Corinna Schlombs, Assistant Professor**

**Invited Presentations/Keynotes:** Schlombs, Corinna. "Avoiding the Productivity Paradox? Computing at the German Allianz Insurance Company." Penn's Economic History Forum. University of Pennsylvania. Philadelphia, PA. 14 Nov. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Schlombs, Corinna. "'World Peace through World Trade:' IBM's corporate diplomacy before and after World War II." *Business History Conference*. Business History Conference. Frankfurt, Germany. 14 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Schlombs, Corinna, et al. "Hidden Spaces, Mobile Places: Changing an Institutional Environment through Appreciative Inquiry." *Seneca Falls Dialogues*. Women's Institute for Leadership and Learning. Seneca Falls, NY. 18 Oct. 2014. Conference Presentation. \*



**Nikolina Bozinovic**

**Journal Paper:** Nikolina, Bozinovic and Danijel Dedo. "Have German Innovations Changed the World?" *RIThink* 4. (2014): 18-21. Web.

**Elisabetta D'Amanda, Senior Lecturer**

**Book Chapter:** D'Amanda, Elisabetta Sanino. "Angela, da una storia vera (2002): il plusvalore del piacere femminile di Roberta Torre." "Europe, Italy and the Mediterranean International Conference Proceedings". Ed. Antonio Vitti and Anthony Tamburri. Pesaro, Italy: Metauro, 2014. 90-99. Print. Δ

**Shows/Exhibits/Installations:** D'Amanda, Elisabetta Sanino. *Torino Is My Town*- Film. 19 Sep. 2014. Fringe Festival, Rochester NY. Performance.

**Shows/Exhibits/Installations:** D'Amanda, Elisabetta Sanino. *Dance Me To the End of Space Time*- Film. 19 Sep. 2014. Fringe Festival, Rochester, NY. Performance.

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "Da Caterina va in città (2003) a Baci mai dati (2010): "Piccole donne crescono" e la commedia all'italiana del nuovo millennio." Fifth Italian Symposium on Modern and Contemporary Italian Cinema. Indiana University Bloomington. Bloomington, IN. 24 Apr. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "Angela, da una storia vera (2002): il plusvalore del piacere femminile di Roberta Torre." Europe, Italy and the Mediterranean International Conference. Center for Mediterranean Studies. Erice, Sicily, Italy. 25 May 2014. Conference Presentation. Δ

**Shows/Exhibits/Installations:** Riggio, Antonio. *SEE-CILY The Island's Hidden Face*. 5 Mar. 2014. University Gallery RIT, Rochester NY. Exhibit.

**Shows/Exhibits/Installations:** Scollo, Gaetano. *Contemporary Italy- A View of Everyday Street Life*. 23 Oct. 2014. University Gallery RIT, Rochester NY. Exhibit.

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "Cinema on the Island: from Vittorio De Seta to Salvo Cuccia." *Italian Cinema in the New Millennium*. Modern Languages and Cultures- College of Liberal Arts. Rochester, New York. 12 Mar. 2014. Lecture.

**Shows/Exhibits/Installations:** D'Amanda, Elisabetta Sanino. *Italian Cinema in the New Millennium*. Oct. 2014. Webb Auditorium RIT, Rochester, NY. Performance.

**Juilee Decker, Associate Professor**

**Journal Editor:** Decker, Juilee, ed. *Collections: A Journal for Museum and Archives Professionals*. Lanham, MD: AltaMira Press, 2014. Print. \*

**Rebecca J DeRoo**

**Invited Presentations/Keynotes:** DeRoo, Rebecca J. "Urban Reorganization and Resistance in Agnes Varda's Parisian Daguerreotypes." College Art Association Annual Conference. CAA. Chicago, Illinois. 12 Feb. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** DeRoo, Rebecca J. "Beyond Documentary: Self-Fiction in Varda's Beaches of Agnes." Feminist Art History Conference. American University. Washington, DC. 1 Nov. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** DeRoo, Rebecca J. "Dialogue with Artist Christine Shank in Conjunction with Her Exhibition *Our First Year Together*." Special Events. Visual Studies Workshop. Rochester, NY. 4 Nov. 2014. Lecture. Δ

**Full Length Book:** DeRoo, Rebecca J. *The Museum Establishment and Contemporary Art*. Paperback ed. Cambridge, UK: Cambridge University Press, 2014. Print. «

### Elizabeth Goins, Associate Professor

**Invited Presentations/Keynotes:** Goins, Elizabeth, Andrew Phelps, and Christopher Egert. "Furthering Conservation Through Gameplay." XIth Annual International Conference for Professionals in Cultural Heritage. Van Leer Jerusalem, Institute. Jerusalem, Israel. 10 Nov. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Goins, Elizabeth, Andrew Phelps, and Christopher Egert. "The Integration of Material Culture and Intangible Heritage through Game Design." International Conference on World Heritage, Digital Heritage: Progress in Cultural Heritage Documentation, Preservation and Protection. EUROMED. Lemessos, Cyprus. 6 Nov. 2014. Conference Presentation. «

**Invited Presentations/Keynotes:** Elizabeth, Goins., et al. "Playing in the Garden of Earthly Delights: Exploring Bosch's Symbolism through Gameplay." MW2014. Museums and the Web. Baltimore, MD. 5 Apr. 2014. Conference Presentation. «

**Invited Article/Publication:** Elizabeth, Goins., "Bioshock Infinite: Opportunities Lost." Gamasutra. (2014). Web. £

**Invited Article/Publication:** Elizabeth, Goins., "Pox and the City: Designing a Social History Game." Gamasutra. (2014). Web. £

**Invited Article/Publication:** Elizabeth, Goins., "Gone Home and Its Hidden Objects." Digital Humanities Now. (2014). Web. £

*Department of Philosophy*

### Evelyn Brister, Associate Professor

**Journal Paper:** Brister, Evelyn. "Using Illustrative Case Studies: A Case in Teaching Climate Ethics." Teaching Ethics 14. 2 (2014): 17-34. Print. £

### Brian Schroeder, Professor

**Journal Editor:** Erixon, P., et al, ed. Ikebana and Contemporary Plant Art. Uppsala, Sweden: Uppsala Universitet, 2014. Print.

**Book Chapter:** Schroeder, Brian. "La scuola di Kyoto: Il Nulla assoluto e la Grande Morte." Filosofie nel mondo. Ed. Virgilio Melchiorre, ed and Silvia Benso, trans. Milano, Italy: Bompiani, 2014. 867-897. Print. Δ

**Book Chapter:** Schroeder, Brian. "Foreword." Nihilism and Metaphysics: The Third Voyage, by Vittorio Possenti. Albany, NY: SUNY Press, 2014. VII-VIII. Print.

**Invited Presentations/Keynotes:** Schroeder, Brian. "Becoming-Edge: Zen and Nonthinking." Comparative and Continental Philosophy Circle. Loyola Marymount University. Santa Barbara, CA. 21 Mar. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Schroeder, Brian. "Buddha-Nature and the Singularity of Mind." Society for Asian and Comparative Philosophy. Binghamton University. Binghamton, NY. 21 Jun. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Schroeder, Brian. "Warring Companions, Friendly Enemies: Self-Overcoming and Reversed Heroism." Friedrich Nietzsche Society of Great Britain and Ireland. University of Birmingham. Birmingham, UK. 12 Sep. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Schroeder, Brian. "Practice-Realization: Zen Master Dōgen and Original Awakening." University/Public Lecture. Department of Philosophy, University College Cork. Cork, Ireland. 15 Sep. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Brian. "Emptiness and Nothingness: Nietzsche, Zen, and the Kyoto School." University/Public Lecture. School of Philosophy and the International Centre for Newman Studies, University College Dublin. Dublin, Ireland. 16 Sep. 2014. Lecture. Δ



**Invited Presentations/Keynotes:** Schroeder, Brian. "Bioregionalism and Social Ecology: An Ecopolitical Proposal." International Association for Environmental Philosophy. Loyola University and Tulane University. New Orleans, LA. 26 Oct. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Schroeder, Brian. "The Singular With the Other: Metaphysics and the Political." University/Public Lecture. Department of Philosophy, Koc University. Istanbul, Turkey. 8 Dec. 2014. Lecture. Δ

**Katie Terezakis, Associate Professor**

**Journal Paper:** Terezakis, Katie. "Telling the Truth: History and Personality in the Philosophy of Agnes Heller." Thesis Eleven 125. 1 (2014): 16-31. Print. « £

**Journal Paper:** Terezakis, Katie. "To Philosophize is to Revise or, How German Idealism Became Historical in the Work of One Secluded American Thinker." Culture and Values 12. 4 (2014): na. Web. \* £

**Invited Presentations/Keynotes:** Terezakis, Katie. "Overcoming Kantian Pragmatism: Bernstein, Habermas, and Miller." Thinking the Plural: Richard J. Bernstein's Contribution to American Philosophy. Stony Brook U and Muhlenberg College. Stony Brook, NY. 27 Sep. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Terezakis, Katie. "The Integrity of Finitude: Existential Reckoning in Fell and in Miller." Colloquium in Honor of Joseph P. Fell. Bucknell University, Williams College. Lewisburg, PA. 6 Sep. 2014. Conference Presentation. Δ

**Lawrence Torcello, Assistant Professor**

**Journal Paper:** Torcello, Lawrence. "Moral Agnosticism: An Ethics of Inquiry and Public Discourse." Teaching Ethics 14. 2 (2014): 3-16. Print. \*

**Invited Presentations/Keynotes:** Torcello, Lawrence. "Contextualizing the Principles of Bioethics." Ethics Grand Rounds Series. Rochester General Hospital. Rochester, NY. 23 Sep. 2014. Lecture.

**Journal Paper:** Torcello, Lawrence. "What's the Harm? Why The Mainstreaming of Complementary and Alternative Medicine is an Ethical Problem." Ethics in Biology, Engineering & Medicine-An International Journal 4. 4 (2014): 327-338. Print. Δ

**Journal Paper:** Torcello, Lawrence. "Is Climate Misinformation Criminally Negligent?" The Conversation UK. (2014): 1-2. Web. £

**Journal Paper:** Torcello, Lawrence and Michael E. Mann. "Limiting Global Warming to 2C: The Philosophy and the Science." The Conversation US. (2014): 1-2. Web. £

**Invited Paper:** Torcello, Lawrence. "L'Aquila Earthquake Scientists Freed but Political Lessons Remain." The Conversation UK. (2014). Web. £

*Department of Political Science*

**Sarah M Burns, Assistant Professor**

**Invited Presentations/Keynotes:** Burns, Sarah. "America's Ambivalent Relationship with Liberal Imperialism." Toronto Liberty Seminar. Institute for Liberal Studies. Toronto, Canada. 8 Mar. 2014. Lecture. Δ

**Nathan Dinneen, Assistant Professor**

**Journal Paper:** Dinneen, Nathan. "Hans Jonas's Noble 'Heuristics of Fear': Neither the Good Lie Nor the Terrible Truth." Cosmos and History: The Journal of Natural and Social Philosophy 10. 2 (2014): 1-21. Print. «

**Journal Paper:** Dinneen, Nathan. "Review of David Roohnik's Retrieving Aristotle in an Age of Crisis." Perspectives on Political Science 43. 3 (2014): 179-180. Print. «

**Journal Paper:** Dinneen, Nathan. "Progress or Return? Interpreting Leopold's 'Land Ethic' as an Evolutionary-Ecological Critique of Modernity." *Environmental Politics* 23. 4 (2014): 688-703. Print. «

**Invited Presentations/Keynotes:** Dineen, Nathan. "On the Balance of Power: The Corinthian Thesis in Herodotus, Thucydides, and Xenophon." Annual Meeting of the Midwest Political Science Association Conference for the Society of Greek Political Thought. Midwest Political Science Association. Chicago, Illinois. 1 Apr. 2014. Conference Presentation. \*

#### **Joseph Fornieri, Professor**

**Full Length Book:** Fornieri, Joseph R. *Abraham Lincoln, Philosopher Statesman*. Carbondale, IL: Southern Illinois University Press, 2014. Print. «

#### **Ryan Garcia, Assistant Professor**

**Journal Paper:** Garcia, Ryan J. B. "National Service and Civic Engagement: A Natural Experiment." *Political Behavior*. (2014): 1-20. Web. «

#### **Lauren Hall, Assistant Professor**

**Full Length Book:** Hall, Lauren K. *Family and the Politics of Moderation: Private Life, Public Goods, and the Rebirth of Social Individualism*. Waco, TX: Baylor University Press, 2014. Print. «

#### **Sean D Sutton, Associate Professor**

**Full Length Book:** Sutton, Sean D. and John Murley. *The Supreme Court Against the Criminal Jury: Social Science and the Palladium of Liberty*. Lanham, MD: Lexington Books, 2014. Print. «

*Department of Psychology*

#### **Jessamy E Comer, Visiting Assistant Professor**

**Invited Presentations/Keynotes:** Comer, J., et al. "Japanese Adolescents' Justifications and Strategies for Nondisclosure to Parents and Their Association with Depressed Mood." Bi-annual meeting of the Society for Research on Adolescence. Society for Research on Adolescence. Austin, TX. 20 Mar. 2014. Conference Presentation. \*

#### **Caroline M DeLong, Associate Professor**

**Published Conference Proceedings:** DeLong, C. M., et al. "Towards Automatic Annotation of Clinical Decision-making Style." *Proceedings of the 8th Linguistic Annotation Workshop at the 25th International Conference on Computational Linguistics*. Ed. Unknown. Dublin, Ireland: International Committee on Computational Linguistics, 2014. Print. «

**Published Conference Proceedings:** DeLong, C. M., et al. "Decision Style in a Clinical Reasoning Corpus." *Proceedings of the BioNLP Workshop*. Ed. Unknown. Baltimore, MD: Association for Computational Linguistics, 2014. Print. «

**Invited Presentations/Keynotes:** DeLong, C.M., et al. "Hidden Spaces, Mobile Places: Changing an Institutional Environment Through Appreciative Inquiry." *Seneca Falls Dialogues*. Seneca Falls Dialogues. Seneca Falls, NY. 18 Oct. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** DeLong, C.M. and A.M. Keller. "Numerical Discrimination in Goldfish (*Carassius Auratus*)." 21th Annual International Conference on Comparative Cognition. 21th Annual International Conference on Comparative Cognition. Melbourne, FL. 27 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** DeLong, C.M. and K.T. Wilcox. "Mindfulness Meditation and Relaxation Differentially Improve Mindfulness and Affect, not Emotional Memory." 26th American Psychological Society Convention. American Psychological Society. San Francisco, CA. 22 May 2014. Conference Presentation. \*

#### **Nicholas DiFonzo, Professor**

**Journal Paper:** DiFonzo, Nicholas, et al. "Network Structure Moderates Intergroup Differentiation of Stereotyped Rumors." *Social Cognition* 32. 5 (2014): 409-448. Print. «



## **Babak Elahi, Professor**

**Journal Paper:** Herbert, A. M., et al. "The Casual Role of the Lateral Occipital Complex in Visual Mirror Symmetry Detection and Grouping: An fMRI-guided TMS Study." *Cortex* 51. (2014): 46-55. Web. «

**Journal Paper:** DiFonzo, N., et al. "Rumor as Revenge in the Workplace." *Group & Organization Management* 39. (2014): 363-388. Print. «

**Journal Paper:** Herbert, A. M., et al. "Symmetry Detection in Visual Impairment: Behavioral Evidence and Neural Correlates." *Symmetry* 6. (2014): 427-433. Print. «

**Journal Paper:** Herbert, A. M., et al. "Visual Symmetry Perception in Early Onset Monocular Blindness." *Visual Cognition* 22. (2014): 963-974. Print. «

**Journal Paper:** Edlund, J. E. and A.E. Edlund. "Contextual Effects on Abortion Decisions: A Short Report." *North American Journal of Psychology* 16. 1 (2014): 159-163. Print. «

**Journal Paper:** Edlund, J. E., et al. "Experimenter Characteristics and Word Choice: Best Practices When Administering an Informed Consent." *Ethics and Behavior* 24. 5 (2014): 397-407. Print. «

**Journal Paper:** Edlund, J.E. and A.L. Nicolas. "Contribution to Alonga et al." *Perspectives on Psychological Science* 9. 5 (2014): 556-578. Print. «

**Journal Paper:** Edlund, J.E. and B.J. Sagarin. "The Mate Value Scale." *Personality and Individual Differences* 64. 1 (2014): 72-77. Print. «

**Journal Paper:** Comer, J., et al. "Japanese Adolescents' Disclosure to Parents and Well-being: The Role of Family Decision-making and Domain of Activity." *Child Development* 85. (2014): 901-907. Print. «

**Journal Paper:** Pandolfi, V., C.I. Magyar, and M. Norris. "Validity Study of the CBCL 6-18 for the Assessment of Emotional Problems in Youth with ASD." *Journal of Mental Health Research in Intellectual Disabilities* 7. (2014): 306-322. Print. «

**Invited Presentations/Keynotes:** Lukomski, J. and D. Wellin. "The Yoga of Leadership." RIT Connectology Leadership Conference: Break the Mold: Leading the Way. RIT Student Union. Rochester, NY. 15 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Lukomski, J. "Strategies for Coping with Change." Executive Assistants Workshop on Dealing with Leadership Changes. Rochester Institute of Technology. Rochester, NY. 11 Sep. 2014. Conference Presentation.

**Journal Paper:** DeLong, C. M., et al. "The Ability to Recognize Objects From Dolphin Echoes Generalizes Across Multiple Orientations in Humans and Neural Networks." *Animal Cognition* 17. 3 (2014): 543-557. Print. «

**Journal Paper:** DiFonzo, N., et al. "Network Structure Moderates Intergroup Differentiation of Stereotyped Rumors." *Social Cognition* 32. 5 (2014): 409-448. Print. «

**Journal Paper:** Edlund, J.E., et al. "The Prevalence and Prevention of Crosstalk: A Multi-institutional Study." *Journal of Social Psychology* 154. 3 (2014): 181-185. Print. «

**Journal Paper:** Schenkel, L.S., et al. "Child Maltreatment and Trauma Exposure Among Deaf and Hard of Hearing Young Adults." *Child Abuse and Neglect* 38. (2014): 1581-1589. Print. «

**Journal Paper:** Schenkel, L. S., T. Chamberlain, and T. L. Towne. "Impaired Theory of Mind and Psychosocial Functioning in Type I versus Type II Pediatric Patients with Bipolar Disorder." *Psychiatry Research* 215. (2014): 740-746. Print. «



**Published Conference Proceedings:** Rantanen, E.M., L. Hochberg, and R. S. Johar. "Linguistic Analysis of Archival Human Factors Jobs Data." Proceedings of the Human Factors and Ergonomics Society Annual Meeting. Ed. Unknown. Thousand Oaks, CA: SAGE Publications, 2014. Print. «

### Jennifer A Lukomski, Professor

**Invited Presentations/Keynotes:** Lukomski, J. and D. Wellin. "The Yoga of Leadership." RIT Connectology Leadership Conference: Break the Mold: Leading the Way. RIT Student Union. Rochester, NY. 15 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Lukomski, J. "Strategies for Coping with Change." Executive Assistants Workshop on Dealing with Leadership Changes. Rochester Institute of Technology. Rochester, NY. 11 Sep. 2014. Conference Presentation. \*

### Edona Maloku

#### External Scholarly Fellowships:

9/1/2014-

2/1/2016

Regional Research Promotion Programme (RRPP)

Amount: 28,340 US Dollars (Kosovo's Portion), total amount of the research project is 203,086 US Dollars

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**Invited Article/Publication:** Berdyna, Edona Maloku. "SPSSI Around the World Spotlight Interview." "Forward"- Society for the Psychological Study of Social Issues (SPSSI). (2014). Web. ^

### Vincent Pandolfi, Associate Professor

**Invited Presentations/Keynotes:** Pandolfi, V. and C.I. Magyar. "Emotional-behavioral Disorders in Autism Spectrum Disorder: Research Informed Practice." American Psychological Association Convention. American Psychological Association. Washington, D.C.. 9 Aug. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Pandolfi, V. and C.I. Magyar. "Using the CBCL to Evaluate Emotional-behavioral Disorders in Autism Spectrum Disorder." National Association of School Psychologists Conference. National Association of School Psychologists. Washington, D.C.. 20 Feb. 2014. Conference Presentation. «

**Journal Paper:** Pandolfi, V., C.I. Magyar, and M. Norris. "Validity Study of the CBCL 6-18 for the Assessment of Emotional Problems in Youth with ASD." Journal of Mental Health Research in Intellectual Disabilities 7. (2014): 306-322. Print. « £

### Esa Rantanen, Associate Professor

**Published Conference Proceedings:** Rantanen, E. M., et al. "Towards Automatic Annotation of Clinical Decision-making Style." Proceedings of the 8th Linguistic Annotation Workshop at the 25th International Conference on Computational Linguistics. Ed. Unknown. Dublin, Ireland: International Committee on Computational Linguistics, 2014. Print. «

**Published Conference Proceedings:** Rantanen, E.M., et al. "Decision Style in a Clinical Reasoning Corpus." Proceedings of the BioNLP Workshop. Ed. Unknown. Baltimore, MD: Association for Computational Linguistics, 2014. Print. «

**Published Conference Proceedings:** Rantanen, E.M., et al. "Usability of Human Factors Research in Design: Advice From Users of Science to Producers of Science." Proceedings of the Proceedings of the Human Factors and Ergonomics Society Annual Meeting. Ed. Proceedings of the Human Factors and Ergonomics Society Annual Meeting. Thousand Oaks, CA: SAGE Publications, 2014. Print. «



**Published Conference Proceedings:** Rantanen, E.M. and A.s. Swaminathan. "Usability of Human Factors Standards." Proceedings of the Proceedings of the Human Factors and Ergonomics Society Annual Meeting. Ed. Proceedings of the Human Factors and Ergonomics Society Annual Meeting. Thousand Oaks, CA: SAGE Publications, 2014. Print. «

**Invited Presentations/Keynotes:** Rantanen, E. "Linguistic Analysis of Clinical Communications: A Novel Method for Study of Diagnostic Errors." HFES International Symposium of Human Factors and Ergonomics in Healthcare. HFES International Symposium of Human Factors and Ergonomics in Healthcare. Chicago, IL. 18 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Rantanen, E. "Measurement and Modeling of Human Performance in Operational Contexts." Third Annual Joint Mini Conference of the Upstate Chapters of the American Statistical Association. Upstate Chapters of the American Statistical Association. Geneseo, NY. 12 Apr. 2014. Conference Presentation. \*

**Lindsay S Schenkel, Associate Professor**

**Invited Presentations/Keynotes:** Schenkel, L.S. "Social-Cognitive Impairments in Pediatric Bipolar Disorder." UR/Mt. Hope Family Center Research Series. University of Rochester. Rochester, NY. 1 Nov. 2014. Guest Lecture. \*

*Department of School Psychology*

**Suzanne B Graney, Associate Professor**

**Invited Presentations/Keynotes:** Bamonto, S. "Introduction to Curriculum-Based Measurement (IDC)." VI Coloquio di Psicologia Escolar. University of Brasilia. Brasilia, Brazil. 5 Jun. 2014. Conference Presentation. «

*Department of Science Technology and Society/  
Public Policy*

**Nathan W Fisk, Visiting Assistant Professor**

**Journal Paper:** Fisk, N. "...When No One is Hearing Them Swear"- Youth Safety and the Pedagogy of Surveillance." *Surveillance & Society* 12. 4 (2014): 566-580. Web. «

**Eric Hittinger, Assistant Professor**

**Journal Paper:** Hittinger, E., et al. "Profitability of CCS with Flue Gas Bypass and Solvent Storage." *International Journal of Greenhouse Gas Control* 27. (2014): 279-288. Print. «

**Christine Keiner, Associate Professor**

**Published Review:** Keiner, Christine. "Multiple Authored Invited Review." Rev. of *The Mortal Sea: Fishing the Atlantic in the Age of Sail* by W. Jeffrey Bolster, ed. Jacob Hamblin. *H-Environment Roundtable Reviews* 15 May 2014: 5-9. Web. Δ

**Hang R Na**

**Journal Paper:** Na, Hang Ryeol, et al. "Modeling of Urban Trees' Effects on Reducing Human Exposure to UV Radiation in Seoul, Korea." *Urban Forestry & Urban Greening* 13. 4 (2014): 785-792. Print. «

**Book Chapter:** Na, Hang Ryeol, et al. "Governance of Forests: Regional Institutions in East Asia." *Routledge Handbook of East Asia and the Environment*. Ed. Paul G. Harris and Graeme Lang. New York and London, NY: Routledge, 2014. 303. Print. £

*Department of Sociology & Anthropology*

**Brian Barry, Associate Professor**

**Invited Presentations/Keynotes:** Barry, Brian. "Urban Deviance: Review and Assessment of the Work of Sudhir Vandrakesh." *Midwestern Meeting of the Association of Humanist Sociology*. Association of Humanist Sociology. Cleveland, OH. 1 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Barry, Brian. "Student Perceptions of Good Work." Eastern Sociological Society. Eastern Sociological Society. Boston, MA. 1 Mar. 2014. Conference Presentation. \*

**Conerly Casey, Associate Professor**

**Book Chapter:** Casey, Conerly. "The Art of Suffering: Postcolonial (mis) apprehensions of Nigerian art." *Suffering, Art, and Aesthetics*. Ed. Ratiba Hadj-Moussa and Michael Nijwahan. New York, NY: Palgrave MacMillan Press, 2014. 125-150. Print. «

**Book Chapter:** Casey, Conerly. "Amplifying Memory: Topographies, Collaborations, Mediations in Post-Invasion Kuwait." *Genocide and Mass Violence: Memory, Symptom, and Intervention*. Ed. Alex Hinton and Devon Hinton. New York, NY: Cambridge University Press, 2014. 83-104. Print. «

**Journal Paper:** Casey, Conerly. "States of Emergency": Armed Youths and Mediations of Islam in Northern Nigeria." *Journal of International and Global Studies* 5. 2 (2014): 1-18. Print. «

**Invited Presentations/Keynotes:** Casey, Conerly. "Media and the Self-fashioning of Islamic Piety in Northern Nigeria." American Anthropological Association Meetings. American Anthropological Association. Washington, D.C.. 3-7 Dec. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Casey, Conerly. "Affective Traces of War: Memory, Media and Arts in Post-invasion Kuwait." Panel Entitled Perspectives on Memory and Identity Regarding the Iraqi Invasion of Kuwait. Middle East Studies Association. Washington, D.C.. 21-25 Nov. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Casey, Conerly. "Media and Contours of Islam in the Sensory Politics of Northern Nigeria." *Performance of Belonging, Difference and Exclusion in Muslim Africa Workshop*. Nordic Africa Institute. Uppsala, Sweden. 5-6 Dec. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Casey, Conerly. "Bollywood and Spirit Possession in Northern Nigeria." Public Lecture, sponsored by the Anthropology Club. American University of Kuwait. Kuwait City, Kuwait. 6 Jan. 2014. Guest Lecture. \*

**Kijana Crawford, Associate Professor**

**Invited Article/Publication:** Crawford, K., et al. "Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach." *Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach*. (2014). Print. «

**Invited Presentations/Keynotes:** Crawfords, Delois Kijana. "Exclusion from Influential Networks: A Key Barrier to the Career Advancement of Women of Color Faculty at Rochester Institute of Technology." American Association of Behavioral and Social Science Conference. American Association of Behavioral and Social Science. Las Vegas, Nevada. 10-11 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Crawford, Delois Kijana. "Invisible Social Justice Considerations for Women of Color Faculty at Rochester institute of Technology." Eastern Sociological Society Annual Meeting; in session on 'Invisible Work. Eastern Sociological Society. Baltimore, MD. 20-23 Feb. 2014. Conference Presentation. \*



**Invited Presentations/Keynotes:** Crawford, Delois Kijana. "Work-Family Challenges Faced by Women in STEM: Studies from Advance Institutions." Work Family Resource Network Symposium on Advance studies. Work Family Resource Network. New York, NY. 20-22 Jun. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Crawford, Delois Kijana and Alexis Eyo. "Exploratory Model of AALANA Female Tenure Bound Divergence Behaviors." McNair Scholar's Conference. McNair Scholar's Conference. Baltimore, MD. 1 Mar. 2014. Conference Presentation. \*

**Published Review:** IEEE. "Blind Peer Reviewed." Rev. of Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top Down and Bottom Up Approach, by Mason, Sharon, et al. 2014 IEEE Frontiers in Education 22 Oct. 2014: 8. Web. \*

**Invited Paper:** Kijana, Crawford,. "The Effect of Institution Mission on STEM Faculty Career Advancement at a Striving University." IEEE Frontiers in Education. (2014). Print. \*

### **Babak Elahi, Professor**

**Full Length Book:** Lawrance, Benjamin. Amistad's Orphans: An Atlantic Story of Children, Slavery, and Smuggling. New Haven, CT: Yale University Press, 2014. Print. «

**Full Length Book:** Lawrance, Benjamin and Gayla Ruffin. Adjudicating Refugee and Asylum Status: The Role of Witness, Expertise, and Testimony. New York, NY: Cambridge University Press, 2014. Print. «

**Full Length Book:** Pardee, Jessica. Surviving Katrina. Boulder, Colorado: Lynne Rienner/First Forum Press, 2014. Print. «

### **Kristin M Kant-Byers**

**Invited Presentations/Keynotes:** Kant-Byers, Kristin. "Producing Anthropological Knowledge from Tourist Art: Techniques for Learning and Teaching about Visual Culture." American Anthropological Association Annual Meeting. American Anthropological Association. Washington, D.C.. 5 Dec. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Kant-Byers, Kristin. "Measuring the Known Realities of Regional Icons from the Possible Imaginings of Appalachian Art: Techniques for Learning and Teaching about Appalachian Art." Thirty-Seventh Annual Appalachian Studies Conference. Appalachian Studies Association. Huntington, WV. 28 Mar. 2014. Conference Presentation. £

### **Benjamin N Lawrance, Professor**

**Journal Paper:** Lawrance, Benjamin N. "A Full Knowledge of the Subject of Slavery?: The Amistad, Expert Testimony, and the Origins of Atlantic Studies." Slavery & Abolition 35. 4 (2014): 1-21. Print. «

**Invited Paper:** Lawrance, Benjamin N. "Nigeria's Trafficking Situation in 2014: A Research Synthesis." National Intelligence University, Center for Strategic Intelligence Research Research Notes. (2014). Print. Δ

**Book Chapter:** Lawrance, Benjamin N. "La Amistad's 'Interpreter' Reinterpreted: James Kaweli Covey's Distressed Atlantic Childhood and the Production of Knowledge about Nineteenth-Century Sierra Leone." Suzanne Schwarz and Paul Lovejoy (eds.), Slavery, Abolition and the Transition to Colonialism in Sierra Leone. Trenton, NJ: Africa World Press, 2014. 217-256. Print.

**Full Length Book:** Lawrance, Benjamin N. Amistad's Orphans: An Atlantic Story of Children, Slavery, and Smuggling. 1st ed. New Haven, CT: Yale University Press, 2014. Print. \*

### **Uli Linke, Professor**

**Journal Paper:** Linke, Uli. "Racializing Cities, Naturalizing Space: The Seductive Appeal of Iconicities of Dispossession." *Antipode: The Radical Journal of Geography* 46. 5 (2014): 1222-1239. Print. «

**Book Chapter:** Linke, Uli. "Mobile Imaginaries, Portable Signs: Global Consumption and Representations of Slum Life." *Tourism and Geographies of Inequality: The New Global Slumming Phenomenon*. Ed. Ko Koens and Fabian Frenzel. Florence, KY: Routledge, 2014. 94-119. Print. «

**Book Chapter:** Linke, Uli. "Gendering Europe-Europeanizing Gender: The Politics of Difference in a Global Era." *Postwar European History*. Ed. Dan Stone. New York, NY: Oxford University Press, 2014. 401-443. Print. «

**Invited Presentations/Keynotes:** Linke, Uli. "Racializing Cities, Naturalizing Space." American Association of Geographers, Annual Meeting. Session I and II: Race, Space, and Nature. American Association of Geographers. Tampa, FL. 11 Apr. 2014. Conference Presentation. \*

### **David C Meiggs, Assistant Professor**

**Journal Paper:** Meiggs, D., et al. "Pastoral Land Use of the Indus Civilization in Gujarat: Faunal Analyses and Biogenic Isotopes at Bagasra." *Journal of Archaeological Science* 50. (2014): 1-15. Print. «

**Book Chapter:** Meiggs, David C. and Carolyn R. Freiwald. "Bioarchaeological Approaches to Human Migration." *Encyclopedia of Global Archaeology*. Ed. C. Smith. New York, NY: Springer, 2014. 3538-3545. Print. «

**Invited Presentations/Keynotes:** Meiggs, David, Chase Brad, and P. Ajithprasad. "Pastoral Land-use of the Indus Civilization in Gujarat." Session: Archaeologies of Land Use; Annual Meeting, Society for American Archaeology. Society for American Archaeology. Austin, Texas. 23-27 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Meiggs, David. "The Pixelated Shepherd." Session: Isotopic Investigations of Pastoral Production: Innovative Approaches to Patterns of Mobility, Economy, and Exploitation. Annual Meeting. European Association of Archaeologists. Istanbul, Turkey. 10-14 Sep. 2014. Conference Presentation. \*

### **William D Middleton, Associate Professor**

**Invited Presentations/Keynotes:** Middleton, W.D., et al. "Integration of Multiproxy Landscape and Climate Data with Hyper- and Multi-Spectral Satellite Imagery for the Analysis of Landscape Change." 5th International Conference on Remote Sensing in Archaeology: The Age of Sensing. Duke University. Durham, NC. 13 Oct. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Middleton, W.D., et al. "Applications in Landscape Analysis and Cultural Resource Management for Hyperspectral Satellite Imagery." 40th International Symposium on Archaeometry. UCLA. Los Angeles, CA. 22 May 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Middleton, W.D., et al. "Satellite Paleoecology in Oaxaca, Mexico: Assessing Potential Productivity of the Prehispanic Landscape." 80th Annual Meeting of the Society for American Archaeology. Society for American Archaeology. Austin, TX. 24 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Middleton, W.D., et al. "Applications in Landscape Analysis and Cultural Resource Management for Hyperspectral Satellite Imagery." Digital Domains Conference. Dartmouth University. Hanover, NH. 21 Mar. 2014. Conference Presentation. \*



**Journal Paper:** Middleton, W.D., et al. "Reconstructing the Formation and Land use History of the Mound 2 Depression at Rio Viejo, Oaxaca, Mexico." *Quaternary International* 342. (2014): 33-44. Print. «

**Book Chapter:** Middleton, W.D. "Laboratory for Archaeological Chemistry at the University of Wisconsin." *Encyclopedia of Global Archaeology*. Ed. C. Smith. New York, NY: Springer Science+Business Media, 2014. 4362-4363. Print. «

**Journal Paper:** Middleton, W.D. "Review of: Polity and Economy in Formative Coastal Oaxaca." *Journal of Anthropological Research* 70. (2014): 474-475. Print. «

### **Jessica W Pardee, Assistant Professor**

**Full Length Book:** Pardee, Jessica W. *Surviving Katrina: The Experiences of Low-Income African American Women*. 1st ed. Boulder, CO: FirstForumPress/Lynne Rienner, 2014. Print. \*

**Invited Article/Publication:** Peek, Lori, et al. "Studying Displacement: New Networks, Lessons Learned." *Sociological Inquiry*. (2014). Print. Δ

**Full Length Book:** Pardee, Jessica. *Surviving Katrina*. Boulder, CO: Lynne Rienner/FirstForumPress, 2014. Print. «

**Journal Paper:** Pardee, Jessica W., et al. "Studying Displacement: New Networks, Lessons Learned." *Sociological Inquiry* 84. 3 (2014): 354-359. Print. «

**Journal Paper:** Pardee, Jessica W., et al. "The Relationship Between Social and Hierarchical Communication Networks in Rural Emergency Response." *International Journal of Emergency Management* 10. 2 (2014): 122-134. Print. «

**Invited Presentations/Keynotes:** Pardee, Jessica. "The Methodology of Trauma: A Comparative Case Study of Researcher Reactions in the Data Collection Process." Eastern Sociological Association Annual Meeting. Eastern Sociological Association. Baltimore, MD. 1 Feb. 2014. Conference Presentation. \*

### **Oral N Robertson, Lecturer**

**Invited Presentations/Keynotes:** Robertson, O. Nick. "The Impact of Incarceration on Communities." Presentation for Professional Development to Teachers, Social Workers, and Administrators, for the Rochester City School District. Rochester City School District. Rochester, NY. 25 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Robertson, O. Nick. "Power to the Peoples of Color: Challenges and Triumphs of the Professional World." II First World Diasporas of Color Undergraduate Conference: Globalizing Identities and Migration across Diasporas. SUNY Geneseo. Geneseo, NY. 1 Apr. 2014. Conference Presentation. \*

### **Shana L Siegel, Visiting Assistant Professor**

**Invited Presentations/Keynotes:** Siegel, Shana. "International Trade and Investment Agreements as Abettors of Ongoing Colonialism and Escalating Inequalities in Canada." Panel titled Indigenous Rights Under Threat of Extractive Industry at the 50th annual Law and Society Association Conference. Law and Society Association. Minneapolis, MN. 29 May 2014. Conference Presentation. \*

**Book Chapter:** Siegel, Shana. "White Is the New Black, Colonialists Are the New Colonized: Folktales of White Western Victimization As Cover for Pathology." *Trayvon Martin, Race, and American Justice: Writing Wrong (Teaching Race and Ethnicity)*. Ed. Fasching-Varner, K.J., et al. Rotterdam/Boston/Taipei, Netherlands: Sense Publishers, 2014. 161-166. Print. «

### **Danielle T Smith, Professor**

**Invited Presentations/Keynotes:** Smith, Danielle T. "Urban Environments, Sustainability and Health Equity: Impact of the Built Environment on Refugee Health." Malmo University/Rochester Institute of Technology Symposium. Malmo University. Malmo, Sweden. 1 Oct. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Smith, Danielle T. "Beasts of Burden: Societal Consent to Child Domestic Servitude in Liberia." Eastern Sociological Society. Eastern Sociological Society. Baltimore, MD. 1 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Smith, Danielle T. "The Rights of the Child: Child Labor and Exploitation in Liberia." American Association of Behavioral and Social Science. American Association of Behavioral and Social Science. Las Vegas, NV. 1 Feb. 2014. Conference Presentation. \*

### **Robert Ulin, Professor**

**Judged National/International Competition**

**Award Winner:** Ulin, Robert and Rachel E. Black. Gourmand International. Gourmand International's Runner Up Prize for the Best Book in the Category of Writing about Drink. Beijing, China, 2014. «







*Chester F. Carlson Center for Imaging Science*

### **Charles Bachmann**

**Journal Paper:** Bachmann, Charles M., et al. "A Flexible Goniometer System: The Goniometer for Outdoor Portable Earth Reflectance (GOPHER)." *Optics Express*. (2014): -. Print. \*

**Journal Paper:** Bachmann, Charles M., et al. "Phase Angle Dependence of Sand Density Observable in Hyperspectral Reflectance." *Remote Sensing of Environment* 150. (2014): 53-65. Print. \*

**Published Conference Proceedings:** Bachmann, Charles M. "Modeling and Mitigating Noise in Graph and Manifold Representations of Hyperspectral Imagery." *Proceedings of the SPIE Defense and Security 2015*. Baltimore, Maryland: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Bachmann, Charles M. "Influence of Density on Hyperspectral BRDF Signatures." *Proceedings of the SPIE Defense and Security 2015*. Baltimore, Maryland: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Bachmann, Charles M. "Retrieval of Sand Density from Hyperspectral BRDF." *Proceedings of the SPIE Defense and Security 2014*. Baltimore, Maryland: SPIE, 2014. Print. \*

### **Stefi Baum, Research Professor**

**Journal Paper:** Baum, Stefi A., et al. "A Ten Billion Solar Mass Outflow of Molecular Gas Launched by Radio Bubbles in the Abell 1835 Brightest Cluster Galaxy." *forthcoming*. (2014) Print. \*

**Journal Paper:** Baum, Stefi A., et al. "Chandra and ROSAT Observations of Abell 194: Detection of an X-Ray Cavity and Mapping the Dynamics of the Cluster." *Astrophysical Journal*. 743 (2014): 59-70. Print. \*

**Journal Paper:** Baum, Stefi A., et al. "Cold Gas Dynamics in Hydra-A: Evidence for a Rotating Disk." *Monthly Notice of the Royal Astronomical Society*. 437 (2014): 862-878. Print. \*

**Journal Paper:** Baum, Stefi A., et al. "Massive Molecular Gas Flows in the Abell 1664 Brightest Cluster Galaxy." *forthcoming*. (2014) Print. \*

### **Scott Brown**

**Published Conference Proceedings:** Brown, Scott D. "A Comparison of Real and Simulated Airborne Hyperspectral Imagery." *Proceedings of the Western New York Image and Signal Processing Workshop*. Rochester, New York: IEEE, 2014. Print. \*

### **A G. DiFrancesco**

**Journal Paper:** DiFrancesco, A G., et al. "Is Iron Doping of Nanoceria Possible at Low Temperatures?" *J. Nanoparticle Research* *forthcoming*. (2014) Print. \*

### **Mark Fairchild, Professor**

**Published Conference Proceedings:** Fairchild, Mark D. "Gamut Mapping in a High-dynamic Range Color Space." *Proceedings of the SPIE Electronic Imaging '14*. SPIE, 2014. Print. \*

### **Jason Faulring**

**Published Conference Proceedings:** Faulring, Jason W. "Augmenting Full-waveform Dual-wavelength ECHIDNA lidar (DWEL) with Highly-portable Canopy Biomass Lidar (CBL) for Forestry Assessment and Satellite Validation." *Proceedings of the Proceedings of the 2014 IEEE IGARSS Conference*. Quebec, Canada: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Faulring, Jason W. "Automatic Georeferencing of Imagery from High-resolution, Low-altitude, Low-cost Aerial Platforms." Proceedings of the Geospatial InfoFusion and Video Analytics IV. Baltimore, Maryland: SPIE, 2014. Print. \*

**James A. Ferwerda, Associate Professor**

**Journal Paper:** Ferwerda, James A. and James A. Ferwerda. "ImpastoR: A Realistic Surface Display System." Vision Research (2014):- . Print. \*

**Journal Paper:** Ferwerda, James A., et al. "Perception of Sparkle in Anti-glare Display Screens." Journal of the Society for Information Display 22. 2 (2014): 139-146. Print. \*

**Published Conference Proceedings:** Ferwerda, James A. "Perceiving Gloss in Surfaces and Images." Proceedings of the Vision Sciences Society, 13th Annual Meeting. Naples, Florida: Vision Sciences Society, 2014. Print. \*

**Published Conference Proceedings:** Ferwerda, James A. "Characterization of Relief Printing." Proceedings of the SPIE Electronic Imaging '14. SPIE, 2014. Print. \*

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**Michael Gartley, Research Assistant Professor**

**Journal Paper:** Gartley, Michael G., et al. "Low Cost Laboratory Based Polarimetric SAR system for Scattering Analysis." IEEE Antennas and Propagation Magazine. (2014) Print. \*

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**Aaron Gerace**

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**Richard K. Hailstone, Associate Professor**

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**Journal Paper:** Hailstone, Richard K., et al. "One-Vessel Synthesis of Iron Oxide Nanoparticles Prepared in Non-Polar Solvent." RCS Advances. (2014) Print. \*

**Maria Helguera, Associate Professor**

**Journal Paper:** Helguera, Maria, et al. "Estimating Cell Concentration in Three-dimensional Engineered Tissues Using High Frequency Quantitative Ultrasound." Annals of Biomedical Engineering 42. 6 (2014): 1292-1304. Print. \*

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**MISHKAT BHATTACHARYA** IS AN ASSISTANT PROFESSOR IN THE SCHOOL OF PHYSICS AND ASTRONOMY. HIS RESEARCH INTERESTS ARE CENTERED ON THE THEORETICAL INVESTIGATION OF SENSORS THAT OPERATE NEAR THE LIMITS SET BY QUANTUM PHYSICS

Sensors are ubiquitous in modern society, and are present in cell phones, computers, televisions, cars, ships, planes, and satellites, to name a few devices. These sensors are capable of detecting quantities such as position, speed, acceleration, rotation, radio signals, etc.

Fabrication techniques have advanced so much that several sensing technologies are now coming up against the limits posed to their ultimate sensitivities by quantum physics. In order to describe the sensor functioning accurately, these quantum limits need to be characterized precisely. Furthermore, it turns out that these limits can sometimes be circumvented by creatively using resources presented by quantum physics itself.

Bhattacharya's research, which is supported by the Research Corporation for Science Advancement, the Office of Naval Research, and the National Science Foundation, is focused on understanding a class of sensors which typically use a mechanically moving part as a detector, and an optical beam as a readout. A variety of systems fall under this category, including nanomembranes, micromirrors, and optically levitated particles. These elements can be used to make highly sensitive accelerometers, magnetometers, and thermometers, for example. Bhattacharya collaborates with several experimental groups that investigate such systems.

Bhattacharya's work combines perspectives and techniques from physics, mathematics, chemistry and engineering, and involves undergraduate and graduate students, as well as postdoctoral researchers. He collaborates with faculty at RIT, locally in Rochester, nationally, as well as internationally. Currently his group is working on investigating the quantum limits to the detection of mechanical rotation, which is important to velocimetry, viscometry (the measurement of viscosity in a fluid), atomtronics (circuits made of moving atoms), and quantum information science.

**MISHKAT BHATTACHARYA**  
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**Journal Paper:** Helguera, Maria, et al. "Ultrasound Imaging and Characterization of Biofilms Based on Wavelet De-noised Radiofrequency Data." *Ultrasonic Imaging* 40. 3 (2014): 583-595. Print. \*

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### Joseph Hornak, Professor

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### Emmett Ientilucci, Research Assistant Professor

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### Joel Kastner, Professor

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### John Kerekes, Professor

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#### **Robert Kremens, Research Professor**

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#### **Poorna Kushalnagar, Research Assistant Professor**

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#### David Messinger, Associate Professor

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#### Rupal Mittal

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#### Christopher ODea, Research Professor

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#### Jeff Pelz, Professor

**Journal Paper:** Pelz, Jeff B., et al. "From Spoken Narratives to Domain Knowledge: Mining Linguistic Data for Medical Image Understanding." *Artificial Intelligence in Medicine* 62. 2 (2014): 79-90. Print. \*

#### Joe Pow

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#### Jie Qiao, Associate Professor

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#### **N Rao, Research Professor**

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#### **Nina Raqueno**

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#### **Harvey Rhody, Professor**

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#### **Eli Saber, Professor**

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#### **Carl Salvaggio, Professor**

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#### **John Schott, Research Professor**

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#### Grover Swartzlander, Associate Professor

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### Jan van Aardt, Associate Professor

**Book Chapter:** van Aardt, Jan A., et al. "Chapter 2- Localisation of Biomass Potentials." *Bioenergy from Wood: Sustainable Production in the Tropics, Managing Forest Ecosystems* 26. Ed. Unknown. Dordrecht, The Netherlands: Springer, 2014. Print. \*

**Journal Paper:** van Aardt, Jan A., et al. "Extracting Structural Vegetation Components From Small-Footprint Waveform Lidar for Biomass Estimation in Savanna Ecosystems." *IEEE Journal of Selected Topics in Applied Earth Observation and Remote Sensing* 7. 2 (2014): 480-490. Print. \*

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### Anthony Vodacek, Professor

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### Derek J. Walvoord

**Journal Paper:** Walvoord, Derek J., et al. "Assessing Geoaccuracy of Structure From Motion Point Clouds from Long-range Image Collections." *Optical Engineering* 53. 11 (2014): 1-10. Print. \*

### Richard Zanibbi, Associate Professor

**Book Chapter:** Zanibbi, R, Dorothea Blostein, and R Zanibbi. "Processing Mathematical Notation." *Handbook of Document Image Processing and Recognition*. Ed. Unknown. Berlin, Germany: Springer-Verlag, 2014. Print. \*

### *Color Science*

### Mark Fairchild, Professor

**Journal Paper:** Long, D.L. and M.D. Fairchild. "Modeling Observer Variability and Metamerism Failure in Electronic Color Displays." *Journal of Imaging Science & Technology* 58. (2014): 1-14. Print. \*

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#### **Susan Farnand, Visiting Assistant Professor**

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### Val Hemink

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### Andre Hudson, Associate Professor

**Journal Paper:** Gan, HM, et al. "High Quality Whole Genome Sequences of Three Strains of Enterobacter sp. Isolated from Jamaican Dioscorea Cayenensis (Yellow Yam)." *Genome Announcements* 13. 2 (2014): 0. Web. \*

*School of Chemistry and Materials Science*

### Christopher J Collison, Associate Professor

**Journal Paper:** Spencer, Susan, et al. "Critical Electron Transfer Rates for Exciton Dissociation Governed by Extent of Crystallinity in Small Molecule Organic Photovoltaics." *Journal of Physical Chemistry C* 118. (2014): 14840-14847. Web. \* £

### Paul A Craig, Professor

**Journal Paper:** Hanson, Brett, et al. "Estimation of Protein Function Using Template-Based Alignment of Enzyme Active Sites." *BMC Bioinformatics* 15. (2014): 87. Web. \*

### Nathan C Eddingsaas, Assistant Professor

**Journal Paper:** Dodson, Leah G., et al. "VUV Photoionization Cross Sections of H<sub>2</sub>O<sub>2</sub>, H<sub>2</sub>O<sub>2</sub>, and H<sub>2</sub>CO." *Journal of Physical Chemistry A*. (2014): forthcoming. Print. \*

**Invited Presentations/Keynotes:** Eddingsaas, Nathan C. "Acidic Atmospheric Aerosols: Chemical Composition and Liquid-Liquid Phase Separation." Seminar. Department of Chemistry, SUNY ESF. Syracuse, NY. 12 Sep. 2014. Guest Lecture.

### Lea Michel, Assistant Professor

**Invited Presentations/Keynotes:** Michel, Lea Vacca. "Assessing the Orientation of Vaccine Candidate P6 in Nontypable Haemophilus influenzae." Seminar- Department of Biochemistry and Biophysics. University of Rochester. Rochester, NY. 15 Jan. 2014. Guest Lecture.

### Casey W Miller, Associate Professor

**Journal Paper:** Nguyen, T. N. A., et al. "Investigation on the Tunability of Spin Configuration Inside Exchange Coupled Spring of Hard/soft Magnets." *IEEE Trans. Magn.* (2014): 2004906. Print. \*

**Invited Presentations/Keynotes:** Miller, Casey. "Enlightened Searches for Talent are Needed to Bring Newcomers into Physics." APS march meeting. APS. APS March Meeting, MD. 2 Mar. 2014. Keynote Speech.

**Invited Paper:** Miller, C. W., D. D. Belyea, and B. J. Kirby. "Magnetocaloric Effect in Thin Films and Heterostructures." *J. Vac. Sci. Techn. A.* (2014). Print. \*

**Journal Paper:** Stassun, C. W. Miller and K. G. "A Test that Fails." *Nature.* (2014): 303. Print. \*

**Journal Paper:** Nguyen, T. N. Anh, et al. "Depth-Dependent Magnetization Profiles of Hybrid Exchange Springs." *Phys. Rev. Appl.* (2014): 44014. Print. \*

**Invited Presentations/Keynotes:** Miller, Casey. "Using Minimum Acceptable GRE Scores for Graduate Admissions Suppresses Diversity." American Astronomical Society Winter Meeting. American Astronomical Society. Winter Meeting, MD. 8 Jan. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Admissions Criteria and Diversity in Graduate School." American Association of Physics Teachers Winter Meeting. American Association of Physics Teachers. Washington, DC. 5 Jan. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Admissions Criteria and Diversity in Graduate School." American Association of Physics Teachers Summer Meeting. American Association of Physics Teachers. Orlando, FL. 29 Jul. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Diversity Issues in Physics." Indiana University, Physics Colloquium. Indiana University. Bloomington, IN. 18 Sep. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Diversity Issues in Physics." University of Pittsburgh, Engineering. University of Pittsburgh. Pittsburgh, PA. 2 Apr. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Diversity Issues in Physics." University of Pittsburgh, Physics Seminar. University of Pittsburgh. Pittsburgh, PA. 2 Apr. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Diversity Issues in Physics." University of Central Florida, Physics Colloquium. University of Central Florida. Orlando, FL. 21 Feb. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Diversity Issues in Physics." University of Arizona, Joint Astronomy and Physics Colloquium. University of Arizona. Tucson, AZ. 25 Jan. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Miller, Casey. "Anisotropic Magnetothermopower in Ferromagnetic Thin Films." Carnegie Mellon University, Condensed Matter Seminar. Carnegie Mellon University. Pittsburgh, PA. 1 Apr. 2014. Keynote Speech.

### **Kalathur S Santhanam, Professor**

**Journal Paper:** Chen, Xu, S. Gupta, and K.S.V. Santhanam. "Thermogravimetric Analysis of Atomized Ferromagnetic Composites with Multiwalled Carbon Nanotubes: An Unusual Behavior of Nickel in Nanospace." *J. Nanosci. Nanotechnol.* 14. (2014): 2679-2682. Print. \*

**Journal Paper:** Santhanam, K.S.V. and X. Chen. "Modelization of Nanospace Interaction Involving a Ferromagnetic Atom: A Spin Polarization Effect Study by Thermogravimetric Analysis." *J. Nanosci. Nanotechnol.* 14. (2014): 2842-2851. Print. \*



**Journal Paper:** Olney, D., L. Fuller, and K.S.V. Santhanam. "A Greenhouse Gas Silicon Microchip Sensor Using a Conducting Composite with Single Walled Carbon Nanotubes." *Sensors and Actuators B* 191. (2014): 542. Print. \*

**Journal Paper:** Olney, D., L. Fuller, and K.S.V. Santhanam. "A Greenhouse Gas Silicon Microchip Sensor Using a Conducting Composite with Single Walled Carbon Nanotubes: Addendum." *Sensors and Actuators B* 203. (942): 2014. Print. \*

**Journal Paper:** Patil, C.M., K.S.V. Santhanam, and S.G. Kandlikar. "Pool Boiling Enhancement-Part 1Development of Electrodeposited Coating Morphology." *International Journal of Heat and Mass Transfer* 79. (2014): 989-1001. Print. \*

**Invited Presentations/Keynotes:** Chandrasekar, S., et al. "Single Walled Carbon Nanotube Assisted Thermal Sensor." *Materials Research Society. MRS. Boston, Mass.* 2 Dec. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Yue, Yang, et al. "Redox Behavior of Dicerium Trioxide and the Formation of Sesquioxide- C for Fuel Cells." *Materials Research Society. MRS. Boston, Mass.* 2 Dec. 2014. Conference Presentation. \*

#### **Hans F Schmitthenner, Lecturer**

**Patents:** Schmitthenner, Hans F., et al. "Loaded Latex Optical Molecular Imaging Probes Containing Lipophilic Large Stokes Shift Dyes." Patent US 8,906,354 B2. 12 Dec. 2014.

**Patents:** Schmitthenner, Hans F, et al. "Modular Imaging Agents Containing Amino Acids and Peptides." Patent 14/449,943. 1 Aug. 2014.

#### **Gerald Takacs, Professor**

**Journal Paper:** Takacs, G. A., et al. "UV Photo-chlorination and- Bromination of Single-walled Carbon Nanotubes." *Journal of Materials Research* 29. 2 (2014): 239-246. Print. \*

**Book Chapter:** Takacs, G. A., L. Oliveira, and T. Debies. "Reaction of Multi-walled Carbon Nanotubes with Gaseous Oxygen and Chlorine Atoms." *Recent Advances in Adhesion Science and Technology*. Ed. Wojciech (Voytek) Gutowski and Hanna Dodiuk. Boca Raton, Florida: CRC Press, 2014. 319-329. Print. \*

#### **Scott Williams, Professor**

**Patents:** Heglund, Daniel, et al. "Chemical Assay to Verify the Quantity and Quality of Sesquiterpene Lactone Derivatives." US Provisional Patent Application 61990186. 8 May 2014.

**Invited Presentations/Keynotes:** Williams, Scott. "Synthesis, Formulation and Deposition of Metal Oxide Sol-gel Compositions Using Aerosol Jet Printing." ACS 248th National Meeting. American Chemical Society. San Francisco, CA. 10 Aug. 2014. Conference Presentation. Δ

#### *School of Life Sciences*

#### **Larry Buckley, Associate Professor**

**Invited Presentations/Keynotes:** Santonocito, Melissa and Larry Buckley. "Comparison of Molecular and Morphological Analyses of Iguanid Evolution." Annual Meeting of the Rochester Academy of Science. State University of New York at Brockport. Brockport, New York. 15 Nov. 2014. Conference Presentation.

**Invited Article/Publication:** Buckley, Larry, et al. "A Checklist of The Iguanas of The World (Iguanidae; Iguaninae)." IUCN Iguana Specialist Group (ISG). (2014). Web.

#### **Sandra J Connelly, Assistant Professor**

**Invited Presentations/Keynotes:** Connelly, Sandi. "How I Flipped My Class- Or, What I did Last Semester!" Cornell University Flipped Class Workshop. Cornell University. Ithaca, NY. 19 Jun. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Connelly, Sandi. "Course Design on the Quick." New Faculty Orientation. Rochester Institute of Technology. Rochester, United States. 14 Aug. 2014. Lecture.

**Invited Presentations/Keynotes:** Connelly, Sandi. "How I Flipped My Class- Or, Why I Did What I Did!" EdTech Showcase. National Technical Institute for the Deaf. Rochester, NY. 12 Nov. 2014. Lecture.

**Invited Presentations/Keynotes:** Connelly, Sandi. "Identifying Life on Earth (And Elsewhere?)." Introduction to Astronomy Course. Rochester Institute of Technology. Rochester, NY. 9 Dec. 2014. Guest Lecture.

### Feng Cui, Assistant Professor

**Journal Paper:** Cui, Feng and Victor B. Zhurkin. "Rotational Positioning of Nucleosomes Facilitates Selective Binding of p53 to Response Elements Associated with Cell Cycle Arrest." *Nucleic Acids Research* 42. 2 (2014): 836-847. Print.

**Journal Paper:** Cui, Feng, et al. "Prediction of Nucleosome Rotational Positioning in Yeast and Human Genomes Based on Sequence-dependent DNA Anisotropy." *BMC Bioinformatics* 15. (2014): 313. Print.

**Journal Paper:** Alharbi, Bader A., et al. "nuMap: A Web Platform for Accurate Prediction of Nucleosome Positioning." *Genomics Proteomics and Bioinformatics* 12. 5 (2014): 249-253. Print.

### Irene Evans, Professor

**Published Conference Proceedings:** Butera, Adam M. and Henry D. Ophardt, Irene M. Evans. "Utilizing 3-D Collagen Cultures to Represent In Vivo Cancerous Tumors and to Test Targeted Molecular Imaging Agents (TMIA)." Proceedings of the American Society for Cell Biology, Dec 6-10, 2014, Philadelphia, PA. Ed. *Mol. Biol. of the Cell*. Philadelphia, PA: n.p., 2014. Web.

**Published Conference Proceedings:** Ophardt, Henry D. and Adam M. Butera, Hans F. Schmitthenner, Irene M. Evans. "Using Targeted Molecular Imaging Agents to Evaluate Differences Between Two- and Three-Dimensional Cell Culture Cancer Models." Proceedings of the American Society for Cell Biology (ASCB), Dec 6-10 2014, Philadelphia, PA. Ed. *Molecular Biology of the Cell*. Philadelphia, PA: Molecular Biology of the Cell, 2014. Print.

**Invited Presentations/Keynotes:** Ophardt, Henry D., Adam M. Butera, and Irene M. Evans. "Targeted Molecular Imaging Agents: Use in Evaluating 2D and 3D Cancer Models." Rochester Academy of Science Annual Meeting. Rochester Academy of Science. Brockport, NY. 15 Nov. 2014. Conference Presentation.

### Andre Hudson, Associate Professor

**Journal Paper:** Gan, HM, et al. "Whole Genome Sequencing and Analysis Reveal Insights Into The Genetic Structure, Diversity And Evolutionary Relatedness Of LuxI And LuxR Homologs in Bacteria Belonging the Sphingomonadaceae Family." *Frontiers in Cellular and Infection Microbiology* 4. 188 (2014) Web. \*

**Journal Paper:** Gan, HY, et al. "Whole Genome Sequences of Four Oligotrophic Bacteria Isolated From Deep Within a Cave (>400 M): Lechuquilla Cave, New Mexico." *Genome Announcements*. 2. 6 (2014): 0. Web. \*

**Journal Paper:** Babbitt, GA, et al. "Synonymous Codon Bias and Functional Constraint on GC3-related DNA Backbone Dynamics in the Prokaryotic Nucleoid." *Nucleic Acids Research* 42. 17 (2014): 10915-10926. Print. \*

**Journal Paper:** Triassi, AJ, et al. "A Putative Target for the Development of Narrow-Spectrum Antibacterial Compounds." *Frontiers of Microbiology* 5. (2014): 509. Web.

**Journal Paper:** HY, Gan,, et al. "Whole Genome Sequences of Thirteen Endophytic Bacteria Isolated From Shrub Willow (Salix) Grown in Geneva, New York." *Genome Announcements* 2. 3 (2014): 0. Web. \*

**Journal Paper:** MR, Oliver,, et al. "The Purification, Crystallization and Preliminary X-ray Diffraction Analysis of Two Isoforms of Meso-diaminopimelate Decarboxylase From *Arabidopsis Thaliana*." *Acta Crystallographica Section F* 70. (2014): 663-668. Print. \*

#### **Kara Maki, Assistant Professor**

**Journal Paper:** Maki, Kara L. and David S. Ross. "Exchange of Tears under a Contact Lens Is Driven by Distortions of the Contact Lens." *Integrative and Comparative Biology* 54. 6 (2014): 1043-1050. Print. \*

#### **Dina Newman, Assistant Professor**

**Journal Paper:** Wright, Kate L., J. Nick Fisk, and Dina L. Newman. "DNA RNA: What Do Students Think the Arrow Means?" *CBE-Life Sciences Education* 13. 2 (2014): 338-348. Print. \*

**Invited Presentations/Keynotes:** Stark, Louisa, Dina L. Newman, and Joseph Devaney. "Ethical Decision Making Frameworks in the Classroom." Undergraduate Faculty Genetics Education Workshop. American Society of Human Genetics. San Diego, CA. 25 Oct. 2014. Conference Presentation. Δ

#### **Michael Osier, Associate Professor**

**Journal Paper:** Osier, Michael V. "A Board Game for Undergraduate Genetics Vocabulary and Concept Review: The Pathway Shuffle." *Journal of Microbiology & Biology Education* (2014): forthcoming. Web. \*

#### **Michael Savka, Professor**

**Journal Paper:** MA., Gan HY, Gan HM, Tarasco AM, Busairi NI, Barton HA, Hudson AO, Savka. "Whole-Genome Sequences of Five Oligotrophic Bacteria Isolated from Deep within Lechuguilla Cave, New Mexico." *Genome Announc.* Nov 6. 2(6) (2014): 1-2. Web. \*

**Journal Paper:** AO., Triassi AJ, Wheatley MS, Savka MA, Gan HM, Dobson RC, Hudson. "L,L-diaminopimelate Aminotransferase (DapL): A Putative Target for the Development of Narrow-spectrum Antibacterial Compounds." *Front Microbiol.* Sep 26. 5:509 (2014): 1-10. Web. \*

**Journal Paper:** AO., Gan HM, Triassi AJ, Wheatley MS, Savka MA, Hudson. "High-Quality Draft Whole-Genome Sequences of Three Strains of *Enterobacter* Isolated from Jamaican *Dioscorea cayenensis* (Yellow Yam)." *Genome Announc.* Mar 13. 2(2) (2014): 1-2. Web. \*

**Journal Paper:** AO., Gan HY, Gan HM, Savka MA, Triassi AJ, Wheatley MS, Smart LB, Fabio ES, Hudson. "Whole-genome Sequences of 13 Endophytic Bacteria Isolated From Shrub Willow (Salix) Grown in Geneva, New York." *Genome Announc.* May 8. 2(3) (2014): 1-2. Web. \*

#### **Gary R Skuse, Professor**

**Journal Paper:** Lopatto, D., et al. "A Central Support System Can Facilitate Implementation and Sustainability of a Classroom-Based Undergraduate Research Experience (CURE) in Genomics." *CBE Life Science Education* 13. 4 (2014): 711-723. Print. \*

#### **Susan Smith, Assistant Professor**

**Invited Presentations/Keynotes:** Sood, Harshita, et al. "What Birds Eat and Why: Nutritional Differences in Fruits Among Sites and Growing Seasons." Rochester Academy of Science 41st Annual Paper Session. SUNY College at Brockport. Brockport, NY. 15 Nov. 2014. Conference Presentation.



**Invited Presentations/Keynotes:** Oberkircher, Meghan, Calvin Carrington, and Susan B. Smith. "Seasonal Variation in Plasma Triglyceride Levels in Three Species of Migratory Songbirds." Rochester Academy of Science 41st Annual Paper Session. SUNY College at Brockport. Brockport, NY. 15 Nov. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Pagano, Todd, Stephanie Schroeder, and Susan B. Smith. "Fingerprinting the Biochemical Make-up of Fruits Available to Migratory Birds via Multidimensional Fluorescence and Chemometrics." Annual Meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. AOU/COS/CSO. Estes Park, CO. 25 Sep. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Smith, Susan B., et al. "Nutritional Composition of Native and Invasive Fruits Consumed by Migrating Birds at Stopover Sites in the Western Finger Lakes Region of New York." Annual Meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. AOU/COS/SCO. Estes Park, CO. 24 Sep. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Pagano, Todd, et al. "Fingerprinting the Antioxidant Components of Wild Fruits Using Multidimensional Fluorescence and Chemometric Analysis." National Meeting of the American Chemical Society. ACS. San Francisco, CA. 12 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Merchant, Charmaine R., et al. "Modified Colorimetric Microplate Assay for the Analysis of Protein in Wild Fruit Extracts." National Meeting of the American Chemical Society. ACS. San Francisco, CA. 11 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ulerio-Nunez, Franley, et al. "Characterization of Antioxidant Components in Wild Fruits Common to the Western Finger Lakes Region of New York." National Meeting of the American Chemical Society. ACS. San Francisco, CA. 11 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ross, Annemarie D., Susan B. Smith, and Todd Pagano. "Developing an Inclusive Environment for Deaf and Hard-of-hearing Students in Undergraduate Research Programs." National Meeting of the American Chemical Society. ACS. San Francisco, CA. 11 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Merchant, Charmaine R., et al. "Biochemistry of Fruits: from Wild Berries for Migratory Birds to Wine." RIT Undergraduate Research Symposium. RIT. Rochester, NY. 8 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ross, Annemarie D. and Susan B. Smith. "Conducting Scientific Research with Deaf and Hard-of-hearing Undergrads." Biennial Conference on Chemical Education. Grand Valley State University. Allendale, MI. 5 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Smith, Susan B. "Fruit Chemistry of Native and Invasive Plants and the Physiological Implications for Migratory Birds." Wilson Ornithological Society Annual Meeting. WOS. Newport, RI. 31 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Pagano, Todd, et al. "Multidimensional Fluorescence of Fruits: A Novel Technique for the Fingerprinting of Nutritional Quality." Wilson Ornithological Society Annual Meeting. WOS. Newport, RI. 31 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Smith, Susan B. "The New Silent Spring? Climate Change and Invasive Species as Threats to Migratory Birds." Science Today Lecture. SUNY College at Oswego. Oswego, NY. 28 Apr. 2014. Lecture.

**Invited Presentations/Keynotes:** Smith, Susan B. "The New Silent Spring? Climate Change and Invasive Species as Threats to Migratory Birds." Biology Department Fall Seminar Series. SUNY College at Geneseo. Geneseo, NY. 14 Nov. 2014. Lecture.

**Invited Presentations/Keynotes:** Merchant, Charmaine R., et al. "Biochemical Analysis of the Nutritional Components of Native and Invasive Fruits in Rochester, NY." Rochester ACS Undergraduate Research Symposium. RIT. Rochester, NY. 26 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Sankoh, Amie, et al. "Analysis of Phenolic and Antioxidant Components in Tea using Multidimensional Fluorescence Spectroscopy and Chemometrics." Rochester ACS Undergraduate Research Symposium. RIT. Rochester, NY. 26 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ross, Annemarie D., Susan B. Smith, and Todd Pagano. "Encouraging Deaf and Hard-of-Hearing Students in Undergraduate Research at the Interface of Chemistry and Biology." National Meeting of the American Chemical Society. ACS. Dallas, TX. 16 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Ross, Annemarie D., Susan B. Smith, and Todd Pagano. "Academic Benefits of the Online ACS Climate Change Toolkit for Deaf and Hard-of-hearing Students." National Meeting of the American Chemical Society. ACS. Dallas, TX. 16 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Sankoh, Amie, et al. "Analysis of Phenolic Compounds in Tea Using Multidimensional Fluorescence Spectroscopy with Amie Sankoh." National Meeting of the American Chemical Society. ACS. Dallas, TX. 17 Mar. 2014. Conference Presentation.

**Journal Editor:** Smith, Susan B., ed. *Condor: Ornithological Applications*. Petaluma, CA: n.p., 2014. Print.

**Journal Editor:** Smith, Susan B., ed. *Northeastern Naturalist*. Steuben, ME: Eagle Hill Institute, 2014. Print.

#### **Hyla Sweet, Associate Professor**

**Invited Presentations/Keynotes:** Coots, Ashley, et al. "Specific Cell-type Staining and Imaging of *Eucidaris Tribuloides* Embryos." Developmental Biology of the Sea Urchin XXII. Marine Biological Laboratory. Woods Hole, MA. 24 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Freyn, Alec, et al. "Swimming Behavior in Embryos and Larvae of the Brooding Brittle star *Ophioplocus Esmarki*." Developmental Biology of the Sea Urchin XXII. Marine Biological Laboratory. Woods Hole, MA. 24 Apr. 2014. Conference Presentation.

#### **Anna Tyler, Associate Professor**

**Journal Paper:** Ryen, Erinn, et al. "Community Ecology Perspectives on the Structural and Functional Evolution of Consumer Electronics." *Journal of Industrial Ecology* 18. (2014): 708-721. Print. \*

**Invited Presentations/Keynotes:** Thorner, Carol, Anna Christina Tyler, and Michelle Guidone. "Herbivory and Trophic Impacts on Macroalgal Blooms." Joint Aquatic Sciences Meeting. American Society of Limnology and Oceanography. Portland, OR. 25 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Tyler, Anna Christina, Michael Burkett, and Nicole Kinlock. "Biodiversity and Ecosystem Processes in Small Urban and Suburban Ponds." Joint Aquatic Sciences Meeting. American Society of Limnology and Oceanography. Portland, OR. 24 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Hane, Elizabeth N, Anna Christina Tyler, and Karl Korfmacher. "Using Program Assessment in an Environmental Science Program." Assessment Network of New York. Assessment Network of New York. Rochester, NY. 24 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Border, Charles, et al. "Ecological Impacts of Nano-iron Phosphate Released from Waste Lithium ion Batteries." Finger Lakes Research Conference. Finger Lakes Institute. Geneva, NY. 21 Nov. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Border, Charles, et al. "Ecological Impacts of Nano-iron Phosphate Released from Waste Lithium ion Batteries." Sustainable Nanotechnology Conference. Sustainable Nanotechnology Organization. Boston, MA. 2 Nov. 2014. Conference Presentation.

#### **Leslie Kate Wright, Assistant Professor**

**Journal Paper:** Wright, L. Kate, J. Nick Fisk, and Dina L Newman. "DNA  $\rightarrow$  RNA: What Do Students Think the Arrow Means?" CBE-Life Sciences Education 13. 2 (2014): 338-348. Print. \*

**Invited Presentations/Keynotes:** Wright, L. Kate and Dina L. Newman. "Confusion Surrounding the Synthesis of Macromolecules From Building Blocks: A Crucial Gap Revealed." Society for Advancement of Undergraduate Education conference. 4th Annual Conference. Univ. Minnesota- Twin Cities, MN. Minneapolis, MN. 17-20 Jul. 2014. Conference Presentation. \*

#### **Ephraim Agyingi, Associate Professor**

**Journal Paper:** Jator, S.N. and Ephraim Agyingi. "Block Hybrid Step Backward Differentiation Formulas for Large Stiff Systems." International Journal of Computational Mathematics. (2014): Article ID 162103, 8 pages. Web. £

#### **Nathaniel S Barlow, Assistant Professor**

**Journal Paper:** Barlow, Nathaniel S., et al. "Critical Isotherms from Virial Series Using Asymptotically Consistent Approximants." AIChE Journal 60. 9 (2014): 3336-3349. Print. \*

#### **Bernard Brooks, Professor**

**Invited Presentations/Keynotes:** Brooks, Bernard. "The Mathematics of Propagating a Rumour on a Social Network." Science & Technology Seminar Series of the Laboratory for Laser Energetics. University of Rochester. Rochester, NY. 31 Jan. 2014. Lecture.

**Journal Paper:** Brooks, Bernard. "Linear Stability Conditions for a First Order 4-Dimensional Discrete Dynamic." Journal of Applied Computational Math 3. 5 (2014): 174-177. Print. «

#### **Elizabeth Cherry, Associate Professor**

**Journal Paper:** Elshrif, Mohamed M and Elizabeth M Cherry. "A Quantitative Comparison of the Behavior of Human Ventricular Cardiac Electrophysiology Models in Tissue." PLoS One 9. (2014) Web. \* £ ≠

**Published Conference Proceedings:** Elshrif, Mohamed, Pengcheng Shi, and Elizabeth Cherry. "Electrophysiological Properties Under Heart Failure Conditions in a Human Ventricular Cell: A Modeling Study." Proceedings of the 36th Annual International IEEE EMBS Conference. Ed. Unknown. Chicago, IL: n.p., Print. \* £ ≠

**Published Conference Proceedings:** Ji, Y., E M Cherry, and F H Fenton. "Experimentally-based Modified Cable Equation to Reproduce Alternans Measured in Cardiac Tissue." Proceedings of the Heart Rhythm. Ed. Unknown. San Francisco, CA: n.p., Print. \* £ ≠

**Published Conference Proceedings:** Fenton, F H, Y Ji, and E M Cherry. "Near-real-time Interactive Simulations of Complex Cardiac Cell Models in Tissue Over the Web on Desktops, Laptops and Cell Phones." Proceedings of the Heart Rhythm. Ed. Unknown. San Francisco, CA: n.p., Print. \* £ ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Delay-differential Equations in Models of Cardiac Myocytes: An Alternative Mechanism for Alternans." Dynamics Days 2014. Georgia Tech. Atlanta, GA. Dec. 2014. Keynote Speech. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Discrepant Predictions Among Models of Cardiac Cells." n/a. University of Rochester. Rochester, NY. Dec. 2014. Lecture. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Discrepant Predictions Among Models of Cardiac Cells." Winter's Lecture Series Workshop on Large-scale Modeling in Cardiac Electrophysiology. Dalhousie University. Halifax, NS. Dec. 2014. Lecture. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Delay-differential Equations in Cardiac Electrophysiology Models." SIAM Conference on the Life Sciences. SIAM. Charlotte, NC. Dec. 2014. Conference Presentation. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Intramural Forecasting of Cardiac Electrical Dynamics Using Data Assimilation." SIAM Conference on the Life Sciences. SIAM. Charlotte, NC. Dec. 2014. Conference Presentation. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Mathematical Modeling of Cardiac Arrhythmias." n/a. SUNY Geneseo. Geneseo, NY. Nov. 2014. Lecture. ≠

**Invited Presentations/Keynotes:** Cherry, Elizabeth. "Intramural Forecasting of Cardiac Electrical Dynamics Using Data Assimilation." IEEE Engineering in Medicine and Biology Rochester chapter. IEEE Engineering in Medicine and Biology Rochester chapter. Rochester, NY. Dec. 2014. Lecture. ≠

#### David L Farnsworth, Professor

**Journal Paper:** Farnsworth, David L. and Michael E. Long. "The Definition of the Sample Variance." The Mathematical Gazette 98. 3 (November) (2014): 511-517. Print. «

**Journal Paper:** Farnsworth, David L. and Joshua M. Fitzhugh. "The Behavior of Midsets When Repeatedly Taking the Midset of Two Lines in  $\mathbb{R}^n$  Geometry." International Journal of Mathematics and Mathematical Sciences 41. May (2014): 1-5. Web. «

**Journal Paper:** Farnsworth, David L. "Scaling the Poisson Distribution." PRIMUS 24. 2 (February) (2014): 104-115. Print. «

**Journal Paper:** Farnsworth, David L. and James E. Marengo. "Are Random Breaks the Altitudes of a Triangle?" American Mathematical Monthly 121. 8 (October) (2014): 741-743. Print. «

#### Raluca Felea, Associate Professor

**Invited Presentations/Keynotes:** Felea, Raluca. "Microlocal Analysis of FIOs with Fold/cusp Singularities." 30th Southeastern Analysis Meeting. Clemson University. Clemson, SC. 8 Mar. 2014. Conference Presentation. £

#### Baasansuren Jadamba, Assistant Professor

**Journal Paper:** Jadamba, Baasansuren and Fabio Raciti. "Variational Inequality Approach to Stochastic Nash Equilibrium Problems with an Application to Cournot Oligopoly." Journal of Optimization Theory and Applications. (2014): 1-21. Web. \*

**Invited Presentations/Keynotes:** Jadamba, Baasansuren. "An Equation Error Approach for the Elasticity Imaging Inverse Problem." Inverse Problems: Modeling and Simulation. Izmir University. Fethiye, Turkey. 29 May 2014. Conference Presentation.

**Book Chapter:** Jadamba, Baasansuren and Fabio Raciti. "A Stochastic Model of Oligopolistic Market Equilibrium Problems." Optimization in Science and Engineering. Ed. T. M. Rassias, C. A. Floudas, and S. Butenko. Berlin, Germany: Springer, 2014. 263-271. Print. \*

**Journal Paper:** Dooley, Marvin, et al. "A New Energy Inversion for Parameter Identification in Saddle Point Problems with an Application to the Elasticity Imaging Inverse Problem of Predicting Tumor Location." Numerical Functional Analysis and Optimization 35. 7-9 (2014): 984-1017. Print. \*

**Journal Paper:** Jadamba, Baasansuren, et al. "A New Convex Inversion Framework for Parameter Identification in Saddle Point Problems with an Application to the Elasticity Imaging Inverse Problem of Predicting Tumor Location." SIAM Journal on Applied Mathematics 74. 5 (2014): 1486-1510. Print. \*

#### **Kara Maki, Assistant Professor**

**Invited Paper:** Maki, Kara L. and David S. Ross. "A New Model for the Suction Pressure Under A Contact Lens." Journal of Biological Systems. (2014). Print. \*

**Journal Paper:** Li, Longfei, et al. "Tear Film Dynamics with Evaporation, Wetting, and Time-dependent Flux Boundary Condition on an Eye-shaped Domain." Physics of Fluids 26. 5 (2014): 52101. Print. \*

**Journal Paper:** Lee, S. H., et al. "Gravity-driven Instability of a Thin Liquid Film Underneath a Soft Solid." Physical Review E 90. 5 (2014): 53009. Print. \*

#### **Laura M Munoz, Assistant Professor**

**Invited Presentations/Keynotes:** Munoz, Laura M. "Predicting Arrhythmias with a Nonlinear Cardiac Fiber Model." Society for Industrial and Applied Mathematics (SIAM) Conference on the Life Sciences. SIAM. Charlotte, NC. 6 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Munoz, Laura M. "Forecasting Cardiac Arrhythmias with a One-Dimensional Fiber Model." Dynamics Days. Georgia Institute of Technology. Atlanta, GA. 1 Jan. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Munoz, Laura M. "Predicting Cardiac Arrhythmias with a One-dimensional Fiber Model." Upstate New York Cardiac Electrophysiology Society Annual Meeting. University at Buffalo- SUNY. Buffalo, NY. 3 Nov. 2014. Conference Presentation.

#### **Darren A Narayan, Professor**

**Invited Presentations/Keynotes:** Narayan, Darren. "Realizing the Full Potential of Online Instructional Systems." Joint Mathematics Meetings. Mathematical Association of America. San Antonio, TX. 11 Jan. 2015. Conference Presentation.

**Journal Paper:** Richter, Peter, et al. "Rank Numbers for Bent Ladders." Discussiones Mathematicae Graph Theory 34. (2014): 309-329. Print. \* £

**Journal Paper:** Lind, Joy and Darren A, Narayan. "Detecting Controversial Articles in Wikipedia." Bulletin of the Institute of Combinatorics and Its Applications 70. (2014): 57-68. Print. « £

#### **Richard O'Shaughnessy, Assistant Professor**

**Journal Paper:** Huerta, Eliu, et al. "Accurate and Efficient Waveforms for Compact Binaries on Eccentric Orbits." Physical Review D 90. (2014): 84016. Print. \* £ ≠

**Journal Paper:** Aasi, J, et al. "Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009-2010 LIGO and Virgo Data." *Physical Review Letters* 113. 23 (2014): 1101. Print. \* £ ≠

**Journal Paper:** Aartsen, , et al. "Multimessenger Search for Sources of Gravitational Waves and High-energy Neutrinos: Initial Results for LIGO-Virgo and IceCube." *Physical Review D* 90. (2014): 102002. Print. \* £ ≠

**Journal Paper:** Aasi, J, et al. "First All-sky Search for Continuous Gravitational Waves from Unknown Sources in Binary Systems." *Physical Review D* 90. 6 (2014): 62010. Print. \* £ ≠

### J A Stephen Viggiano

**Invited Presentations/Keynotes:** PhD, J A Stephen Viggiano,. "Minimal Knowledge Techniques for Camera Characterization: A Review." 22nd Color and Imaging Conference. IS&T: The Society for Imaging Science and Technology. Boston, MA. 7 Nov. 2014. Conference Presentation. Δ

### Paul Wenger, Assistant Professor

**Journal Paper:** MacDonald, Lori, Paul S. Wenger, and Scott Wright. "Total Acquisition on Grids." *The Australasian Journal of Combinatorics* 58. 1 (2014): 137-156. Web. \*

**Journal Paper:** Wenger, Paul S. "A Note on the Saturation Number of the Family of k-connected Graphs." *Discrete Mathematics* 323. (2014): 81-83. Print. \*

**Journal Paper:** Wenger, Paul S. "Fractional Acquisition in Graphs." *Discrete Applied Mathematics* 178. (2014): 142-148. Print. \*

**Published Conference Proceedings:** Ziemann, Amanda, David W. Messinger, and Paul S. Wenger. "An Adaptive k-nearest Neighbor Graph Building Technique with Applications to Hyperspectral Imagery." *Proceedings of the IEEE Western New York Image and Signal Processing Workshop, Henrietta, NY November 2014*. Ed. Nathan Cahill. Red Hook, NY: n.p., 2014. Print. £

### John Whelan, Associate Professor

**Journal Paper:** Privitera, Stephen, et al. "Improving the Sensitivity of a Search for Coalescing Binary Black Holes with Non-precessing Spins in Gravitational Wave Data." *Physical Review D* 89. (2014): 24003. Print. \* ≠

**Journal Paper:** Whelan, John T, et al. "New Coordinates for the Amplitude Parameter Space of Continuous Gravitational Waves." *Classical and Quantum Gravity* 31. (2014): 65002. Print. \* ≠

**Journal Paper:** Whelan, J T, et al. "Treatment of Calibration Uncertainty in Multi-baseline Cross-correlation Searches for Gravitational Waves." *Journal of Physics: Conference Series* 484. 1 (2014): 12027. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "First Searches for Optical Counterparts to Gravitational-wave Candidate Events." *The Astrophysical Journal Supplement Series* 211. 1 (2014): 7. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Gravitational-waves From Known Pulsars: Results From the Initial Detector Era." *The Astrophysical Journal* 785. 2 (2014): 119. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Application of a Hough Search for Continuous Gravitational Waves on Data from the Fifth LIGO Science Run." *Classical and Quantum Gravity* 31. 8 (2014): 85014. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Constraints on Cosmic Strings from the LIGO-Virgo Gravitational-Wave Detectors." *Physical Review Letters* 112. (2014): 131101. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "The NINJA-2 Project: Detecting and Characterizing Gravitational Waveforms Modelled Using Numerical Binary Black Hole Simulations." *Classical and Quantum Gravity* 31. 11 (2014): 115004. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Search for Gravitational Wave Ringdowns From Perturbed Intermediate Mass Black Holes in LIGO-Virgo Data From 2005-2010." *Physical Review D* 89. (2014): 102006. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Search for Gravitational Radiation From Intermediate Mass Black Hole Binaries in Data From the Second LIGO-Virgo Joint Science Run." *Physical Review D* 89. (2014): 122003. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Methods and Results of a Search for Gravitational Waves Associated with Gamma-ray Bursts Using the GEO 600, LIGO, and Virgo Detectors." *Physical Review D* 89. (2014): 122004. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Search for Gravitational Waves Associated with  $\gamma$ -ray Bursts Detected by the Interplanetary Network." *Physical Review Letters* 113. (2014): 11102. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Implementation of an  $\mathcal{F}$ -Statistic All-sky Search for Continuous Gravitational Waves in Virgo VSR1 Data." *Classical and Quantum Gravity* 31. 16 (2014): 165014. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "First All-sky Search for Continuous Gravitational Waves from Unknown Sources in Binary Systems." *Physical Review D* 90. (2014): 62010. Print. \* ≠

**Journal Paper:** Aartsen, M. G., et al. "Multi-messenger Search for Sources of Gravitational Waves and High-energy Neutrinos: Initial Results for LIGO-Virgo and IceCube." *Physical Review D* 90. (2014): 102002. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Improved Upper Limits on the Stochastic Gravitational-Wave Background from 2009-2010 LIGO and Virgo Data." *Physical Review Letters* 113. (2014): 231101. Print. \* ≠

**Journal Paper:** Aasi, J., et al. "Searching for Stochastic Gravitational Waves Using Data From the Two Colocated LIGO Hanford Detectors." *Physical Review D* 91. (2014): 22003. Print. \* ≠

### Yosef Zlochower, Associate Professor

**Journal Paper:** Hinder, Ian, and others, and Yosef Zlochower. "Error-analysis and Comparison to Analytical Models of Numerical Waveforms Produced by the NRAR Collaboration." *Classical and Quantum Gravity* 31. (2014): 25012. Print. £

**Journal Paper:** Lousto, Carlos O and Yosef Zlochower. "Where Angular Momentum Goes in a Precessing Black Hole Binary." *Physical Review D* 89. (2014): 21501. Print. £

**Journal Paper:** Lousto, Carlos O and Yosef Zlochower. "Black Hole Binary Remnant Mass and Spin: A New Phenomenological Formula." *Physical Review D* 89. (2014): 104052. Print. £

**Journal Paper:** Mundum, Bruno C, et al. "Approximate Black Hole Binary Spacetime Via Asymptotic Matching." *Physical Review D* 89. (2014): 84008. Print. £

**Journal Paper:** Healy, James, Carlos O Lousto, and Yosef Zlochower. "Remnant Mass, Spin, and Recoil From Spin Aligned Black-hole Binaries." *Physical Review D* 90. (2014): 104004. Print. £

**Invited Presentations/Keynotes:** Zlochower, Yosef. "Modeling Large Remnant Kicks for the Mergers of Unequal Mass Black Hole Binaries : A Progress Report." APS April Meeting 2014. APS. Savannah, GA. 6 Apr. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Zlochower, Yosef. "Modeling the Remnant from (simple) Precessing Binaries." Eastern Gravity Meeting 2014. APS, WVU. Morgantown, WV. 16 May 2014. Conference Presentation. £

*School of Physics and Astronomy*

**Linda S Barton, Associate Professor**

**Journal Paper:** Barton, L. S., R. T. Lazott, and E. R. Marsten. "Magnetic Properties of Full Heusler Alloys  $Ni_2MnGa_{1-x}Zx$  with  $Z= Sn$  or  $Zn$ ." *Journal of Applied Physics* 115. (2014): 1-3. Print. «

**Invited Presentations/Keynotes:** Barton, Linda S. "Mentoring undergraduate projects: The Hardest Part is Before They Start." American Association of Physics Teachers- Winter Meeting. American Association of Physics Teachers. Orlando, FL. 7 Jan. 2014. Guest Lecture.

**Mishkatul Bhattacharya, Assistant Professor**

**Journal Paper:** Bhattacharya, M. and M. Kleinert. "Chiral Symmetries Associated with Angular Momentum." *European Journal of Physics* 35. (2014): 25007. Print. \*

**Journal Paper:** Bhattacharya, M., S. Marin, and M. Kleinert. "Coherent Cancellation of Geometric Phase for the OH Molecule in External Fields." *Physical Review A* 89. (2014): 52503. Print. \*

**Invited Presentations/Keynotes:** Bhattacharya, M. "Chiral Symmetries and Angular Momentum." Physics Colloquium. Indian Institute of Technology. Kanpur, Uttar Pradesh. 10 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "Chiral Symmetries and Angular Momentum." Physics Colloquium. Indian Institute of Technology. New Delhi, New Delhi. 15 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "Chiral Symmetries and Angular Momentum." Physics Colloquium. Indian Institute of Science Education and Research. Chandigarh, Haryana. 21 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "Optomechanics with Photons Carrying Orbital Angular Momentum." Optics Colloquium. University of Rochester. Rochester, NY. 30 Jan. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "Life in Eight dimensions: Mathematical Adventures with a Cold Molecule." COAM. Rochester Institute of Technology. Rochester, NY. 18 Mar. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "Redrawing the Quantum-classical Boundary." Physics colloquium. Brookhaven National Laboratory. Upton, NY. 29 Apr. 2014. Lecture.

**Invited Presentations/Keynotes:** Bhattacharya, M. "The Ground State OH Molecule in Combined Electric and Magnetic Fields." Division of Atomic Molecular and Optical Physics, American Physical Society. University of Wisconsin-Madison. Madison, WI. 3 Jun. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Bhattacharya, M. "The Ground State OH Molecule in Combined Electric and Magnetic Fields." Physics Colloquium. Institute of Theoretical Atomic and Molecular Physics, Harvard University. Cambridge, MA. 15 Aug. 2014. Lecture.

**Scott Franklin, Professor**

**Journal Paper:** Franklin, Scott V. "Extensional Rheology of Entangled Granular Materials." *Europhysics Letters* 106. 5 (2014): 58004. Print. \*



**Journal Paper:** Franklin, Scott V., Eleanor C. Sayre, and Jessica W. Clark. "Traditionally Taught Students Learn; Actively Engaged Students Remember." *American Journal of Physics* 82. (2014): 798. Print. \* £ ≠

**Journal Paper:** Franklin, Scott V. and Lisa M. Hermsen. "Real-time Capture of Student Reasoning While Writing." *Physical Review Special Topics-Physics Education Research* 10. (2014): 20121. Web. \* £

#### Dehui Hu, Lecturer

**Journal Paper:** Hu, Dehui and N. Sanjay Rebello. "Shifting College Students- Epistemological Framing Using Hypothetical Debate Problems." *Physical Review ST Physics Education Research* 10. 10117 (2014): 1-11. Web. \*

#### Aaron McGowan, Lecturer

**Journal Paper:** Aliaga, L. and et al. "Design, Calibration, and Performance of the MINERvA Detector." *Nuclear Instruments and Methods in Physics Research A* 743. (2014): 130-159. Print. \*

**Journal Paper:** Tice, B.G., et al. "Measurement of Ratios of  $\nu\mu$  Charged-Current Cross Sections on C, Fe, and Pb to CH at Neutrino Energies 2-20 GeV." *Physical Review Letters* 112. 23 (2014): 231801. Print. \*

**Journal Paper:** Higuera, A., et al. "Measurement of Coherent Production of Neutrino and Antineutrino Beams on Carbon from Ev of 1.5 to 20 GeV." *Physical Review Letters* 113. (2014): 261802. Print. \*

#### David Merritt, Professor

**Journal Paper:** Pawlowski, Marcel, David Merritt, and et al. "Co-orbiting Satellite Galaxy Structures are Still in Conflict with the Distribution of Primordial Dwarf Galaxies." *Monthly Notices of the Royal Astronomical Society* 442. (2014): 2362-2380. Print. £

**Journal Paper:** Hamers, Adrian S., Simon Portegies Zwart, and David Merritt. "Relativistic Dynamics of Stars Near a Supermassive Black Hole." *Monthly Notices of the Royal Astronomical Society* 443. (2014): 355-387. Print. £

**Journal Paper:** Lena, Davide, et al. "Recoiling Supermassive Black Holes: A Search in the Nearby Universe." *The Astrophysical Journal* 795. (2014): 146-177. Print. £

#### Christopher O'Dea, Research Professor

**Journal Paper:** Hamer, S., et al. "Cold Gas Dynamics in Hydra-A: Evidence for a Rotating Disk." *Monthly Notices of the Royal Astronomical Society* 437. (2014): 862-878. Print. £

**Journal Paper:** Bogdan, A., et al. "Young AGN Outburst Running Over Older X-ray Cavities." *Astrophysical Journal Letters* 782. (2014): L19-24. Print. £

**Journal Paper:** Russell, H., et al. "Massive Molecular Gas flows in the Abell 1664 Brightest Cluster Galaxy." *Astrophysical Journal* 784. (2014): 78-86. Print. £

**Journal Paper:** McNamara, B. R. and et al. "A Ten Billion Solar Mass Outflow of Molecular Gas Launched by Radio Bubbles in the Abell 1835 Brightest Cluster Galaxy." *Astrophysical Journal* 785. (2014): 44-53. Print. £

**Journal Paper:** Kharb, P., et al. "VLBA Observations of Mrk 6: Probing the Jet-Lobe Connection." *Monthly Notices of the Royal Astronomical Society* 440. (2014): 2976-2987. Print. £

**Journal Paper:** Tremblay, G., et al. "A Thirty Kiloparsec Chain of 'Beads on a String' Star Formation between Two Merging Early Type Galaxies in the Core of a Strong Lensing Galaxy Cluster." *Astrophysical Journal Letters* 790. (2014): L26-31. Print. £

**Journal Paper:** Russell, H., et al. "The Bow Shock, Cold Fronts and Disintegrating Cool Core in the Merging Galaxy Group RX J0751.3+5012." *Monthly Notices of the Royal Astronomical Society* 444. (2014): 629-641. Print. £

**Published Conference Proceedings:** Sales, D., et al. "The Multi-wavelength Study of OH Megamaser Galaxy IRAS16399-0937." *Proceedings of the XIV Latin American Regional IAU Meeting*. Ed. A. Mateus, J. Gregorio-Hetem & R. Cid Fernandes. Mexico City, Mexico: Revista Mexicana de Astronomia y Astrofisica, 2014. Print.

**Published Conference Proceedings:** Sebring, T., et al. "Progress on the New York State Observatory: A New 12-Meter Astronomical Telescope." *Proceedings of the SPIE* 9145, Ground-based and Airborne Telescopes V. Ed. Larry M. Stepp; Roberto Gilmozzi; Helen J. Hall. Montreal, Quebec: SPIE, 2014. Web.

#### Michael Pierce, Assistant Professor

**Journal Paper:** Komanicky, Vladimir, et al. "Growth of Arrays of Oriented Epitaxial Platinum Nanoparticles with Controlled Size and Shape by Natural Colloidal Lithography." *Nanoscale Research Letters* 9. (2014): 336. Print. \* £

**Invited Presentations/Keynotes:** Karl, Robert, et al. "Charge Induced Dynamics of the Ag (001) Surface." *Coherence 2014*. Northwestern University, Argonne National Laboratory. Evanston, IL. 2 Sep. 2014. Conference Presentation.

#### Michael Richmond, Professor

**Journal Paper:** Kato, Taichi. "Survey of Period Variations of Superhumps in SU UMa-Type Dwarf Novae. V: The Fifth Year (2012-2013)." *Publications of the Astronomical Society of Japan* 66. (2014): 30-113. Print. \*

**Journal Paper:** Kato, Taichi. "Survey of Period Variations of Superhumps in SU UMa-type Dwarf Novae. VI. The Sixth Year (2013-2014)." *Publications of the Astronomical Society of Japan* 66. (2014): 90-153. Print. \*

**Journal Paper:** Principe, David A. "Star Formation in Orion's L1630 Cloud: An Infrared and Multi-epoch X-Ray Study." *Astrophysical Journal Supplement* 213. (2014): 4-35. Print. \*

**Journal Paper:** Betoule, M. "Improved Cosmological Constraints from a Joint Analysis of the SDSS-II and SNLS Supernova Samples." *Astronomy and Astrophysics* 568. (2014): 22-54. Print. \*

**Journal Paper:** Taylor, M. "The Core Collapse Supernova Rate from the SDSS-II Supernova Survey." *Astrophysical Journal* 792. (2014): 135-147. Print. \*

**Journal Paper:** Tanaka, M. "Discovery of Dramatic Optical Variability in SDSS J1100+4421: A Peculiar Radio-loud Narrow-line Seyfert 1 Galaxy?" *Astrophysical Journal* 793. (2014): 26-32. Print. \*

**Journal Paper:** Richmond, M. "BVRI Photometry of SN 2013ej in M74." *Journal of the American Association of Variable Star Observers* 42. (2014): 333-343. Print. \*

#### Andrew Robinson, Professor

**Journal Paper:** Allan, Schnorr-Muller, et al. "Feeding and Feedback in the Inner Kiloparsec of the Active Galaxy NGC 2110." *Monthly Notices of the Royal Astronomical Society* 437. 2 (2014): 1708-1724. Print. £

**Journal Paper:** Dicken, D., et al. "Spitzer Mid-IR Spectroscopy of Powerful 2Jy and 3CRR Radio Galaxies. II. AGN Power Indicators and Unification." *The Astrophysical Journal* 788. 2 (2014): 98-119. Print. £

**Journal Paper:** Lena, D., et al. "Recoiling Supermassive Black Holes: A Search in the Nearby Universe." *The Astrophysical Journal* 795. 2 (2014): 146-176. Print. £

**Published Conference Proceedings:** Sales, D. A., et al. "Multi-wavelength Study of OH Megamaser Galaxy IRAS16399-0937." Proceedings of the XIV Latin American Regional IAU Meeting. Ed. A. Mateus, J. Gregorio-Hetem & R. Cid Fernandes. Florianopolis, SC, Brazil: Revista Mexicana de Astronomia y Astrofisica (Serie de Conferencias) Vol. 44, pp. 103-103 (2014), 2014. Print.

**Published Conference Proceedings:** Brum, C., et al. "Two-dimensional Kinematics of the Central Region of NGC4501 from GMOS/Gemini Integral Field Spectroscopy." Proceedings of the XIV Latin American Regional IAU Meeting. Ed. A. Mateus, J. Gregorio-Hetem & R. Cid Fernandes. Florianopolis, SC, Brazil: Revista Mexicana de Astronomia y Astrofisica (Serie de Conferencias) Vol. 44, pp. 190-191, 2014. Print.

**Published Conference Proceedings:** Couto, G. S., et al. "Kinematics and Excitation of the Nuclear Spiral in the Active Galaxy Arp 102B." Proceedings of the XIV Latin American Regional IAU Meeting. Ed. A. Mateus, J. Gregorio-Hetem and R. Cid Fernandes. Florianopolis, SC, Brazil: Revista Mexicana de Astronomia y Astrofisica (Serie de Conferencias) Vol. 44, pp. 191-192, 2014. Print.

#### **Robert B Teese, Professor**

**Published Conference Proceedings:** Laws, Priscilla W., et al. "Using Online Interactive Physics-based Video Analysis Exercises to Enhance Learning." Proceedings of the International Conference on Physics Education, ICPE 2013, Prague. Ed. Leos Dvo and Koudelkova. Prague, Czech Republic: Charles University in Prague, MATFYZPRESS publisher, 2014. Web. £

#### **George Thurston, Professor**

**Journal Paper:** Foffi, Giuseppe, et al. "Hard Sphere-Like Glass Transition in Eye Lens  $\alpha$ -Crystallin Solutions." Proceedings of the National Academy of Sciences (USA) 111. 47 (2014): 16748-16753. Print. \*

#### **Benjamin M Zwickl, Assistant Professor**

**Journal Paper:** Hoskinson, Anne-Marie, et al. "Bridging Physics and Biology Teaching through Modeling." American Journal of Physics 82. 5 (2014): 434-441. Print. \*

**Journal Paper:** Zwickl, Benjamin M., et al. "Epistemology and Expectations Survey About Experimental Physics: Development and Initial Results." Physical Review Special Topics- Physics Education Research 10. (2014): 10120. Web. \*

**Journal Paper:** Zwickl, Benjamin M., Noah Finkelstein, and H. J. Lewandowski. "Incorporating Learning Goals About Modeling Into an Upper-division Physics Laboratory Experiment." American Journal of Physics 82. 9 (2014): 876-882. Print. \*





*Accounting***Rong Yang, Associate Professor**

**Journal Paper:** Lerong, He, and Rong Yang. "Does Industry Regulation Matter? New Evidence on Audit Committees and Earnings Management." *Journal of Business Ethics* 123. 4 (2014): 573-589. Print. £

**Journal Paper:** Cordeiro, James, et al. "What Determines the Variation in Relative Performance Evaluation Usage Across U.S. Industries?" *Management Research Review* 37. 5 (2014): 502-514. Print. £

**Journal Paper:** Qi, B, R Yang, and G Tian. "Can Media Deter Management from Manipulating Earnings? Evidence from China." *Review of Quantitative Finance and Accounting* 42. 3 (2014): 571-597. Print. \*

**Journal Paper:** Hou, Q, et al. "Performance Commitment of Controlling Shareholders and Earnings Management." *Contemporary Accounting Research*. (2014): forthcoming. Print. \* «

*Decision Sciences***A Erhan Mergen, Professor**

**Journal Paper:** Mergen, A. Erhan and Donald S. Holmes. "Converting Survey Results from Four-Point to Five-Point Scale: A Case Study." *Total Quality Management & Business Excellence* 25. 2 (2014): 175-182. Print. \*

**Published Conference Proceedings:** Mergen, A. Erhan and Donald S. Holmes. "A First Order Markov Chain Model for Autocorrelated Processes." *Proceedings of the The 2014 Northeast Decision Sciences Institute Meeting*. Ed. Minoo Tehrani. Philadelphia, PA: n.p., 2014. Print. «

*Economics***Steven C Gold, Professor**

**Journal Paper:** Boehner, Robert and Steven Gold. "An Evaluation of the Causes, Extent, and Initiators of Herding Behavior." *Journal of Applied Financial Research* 2. (2014): NA. Print. £

*Finance***Chun-keung Hoi, Professor**

**Journal Paper:** Hasan, Iftekhar, et al. "Beauty is in the Eye of the Beholder: The Effect of Corporate Tax Avoidance on the Cost of Bank Loans." *Journal of Financial Economics* 113. (2014): 109-130. Print. £

**Hao Zhang, Assistant Professor**

**Journal Paper:** Kee, Chung, and Hao Zhang. "A Simple Approximation of Intraday Spreads Using Daily Data." *Journal of Financial Markets* 17. (2014): 94-120. Print. £

**Journal Paper:** Zhan, Jiang,, Kenneth A. Kim, and Hao Zhang. "The Effects of Corporate Bailout on Firm Performance: International Evidence." *Journal of Banking and Finance* 43. (2014): 78-96. Print. £

**Journal Paper:** Hasan, Iftekhar, et al. "Beauty is in the Eye of the Beholder: The Effect of Corporate Tax Avoidance on the Cost of Bank Loans." *Journal of Financial Economics* 113. (2014): 109-130. Print. £

*International Business***Zhi Tang, Associate Professor**

**Journal Paper:** Tang, Zhi. "The Impact of Competitors-Firm Power Divergence on Chinese Smes' Environmental and Financial Performance." *Journal of Business Ethics*. (2014): 1-19. Print. « £

**Journal Paper:** Tang, Zhi, J. Katz, and J. Tang. "The Influence of Stakeholder-Firm Power Difference on Corporate Social Responsibility of Chinese Small and Medium-Sized Enterprises." *World Review of Entrepreneurship, Management and Sustainable Development* 38. 5 (2014): 1129-1157. Print. « £

**Journal Paper:** Tang, Zhi, C. Hull, and S. Rothenberg. "The Impact of Human Resource Management on Corporate Social Performance Strengths and Concerns." *Business and Society*. (2014): forthcoming. Print. « £

### *Management*

#### **Darline Augustine, Assistant Professor**

**Invited Paper:** Augustine, Darline. "Gender Diversity and Firm Performance within the Microfinance Industry in Africa." *Africa Academy of Management*. (2014). Print. Δ £

#### **Benjamin H Deitchman, Visiting Assistant Professor**

**Journal Paper:** Deitchman, Benjamin. "Changing the State of State-Level Energy Programs: Policy Diffusion, Economic Stimulus and New Federalism Paradigms." *Strategic Planning for Energy and the Environment* 33. 4 (2014): 35-61. Print. « £

**Invited Presentations/Keynotes:** Deitchman, Benjamin. "Laboratories of Opposition: States as Leaders in American Climate Policy." *North-east Conference on Public Administration*. Northeast Conference on Public Administration. Portsmouth, NH. 8 Nov. 2014. Conference Presentation. Δ

**Published Conference Proceedings:** Deitchman, Benjamin. "Beyond Recovery- Policy Options for Energy Efficiency Financing." *Proceedings of the World Energy Engineering Conference (October 2014)*, Washington, DC. Ed. Association of Energy Engineers. Atlanta, GA: Association of Energy Engineers, 2014. Web. Δ ^

#### **Richard DeMartino, Associate Professor**

**Journal Paper:** DeMartino, Richard, et al. "The Prowess and Pitfalls Of Bayesian Structural Equation Modelling: Important Considerations For Management Research." *Journal of Management*. (2014): 1-30. Print. « £

#### **John E Ettl, Professor**

**Invited Presentations/Keynotes:** Ettl, John and J. Miller, J. Angelis. "Implementation Strategies for Open Innovation." *1st World Conference on Open Innovation*. 1st World Conference on Open Innovation. Napa, CA. 4-5 Dec. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Ettl, John. "Dreams Become You." *Academy of Management Annual Meeting*. Academy of Management. Philadelphia, PA. 1-5 Aug. 2014. Conference Presentation. £

#### **Clyde Hull, Associate Professor**

**Journal Paper:** Hull, Clyde, S. Rothenberg, and Z. Tang. "The Impact of Human Resource Management on Corporate Social Performance Strengths and Concerns." *Business and Society*. (2014): forthcoming. Print. « £

#### **Shal Khazanchi, Associate Professor**

**Invited Presentations/Keynotes:** Khazanchi, Shalini and B. Ghitulescu. "Knots in the discourse of Innovation: Investigating multiple tensions in a reacquired spin-offs." *European Group for Organizational Studies, EGOS*. European Group for Organizational Studies, EGOS. Rotterman, Netherlands. 3-5 Jul. 2014. Conference Presentation. Δ £

**Invited Presentations/Keynotes:** Khazanchi, Shalini, M. Sheep, and G. Fairhurst. "The Double-bind of Calling Among Artists." *European Group for Organizational Studies, EGOS*. European Group for Organizational Studies, EGOS. Rotterman, Netherlands. 3-5 Jul. 2014. Conference Presentation. Δ £

## *Featured Faculty*

**MICHAEL PALANSKI** IS AN ASSOCIATE PROFESSOR OF MANAGEMENT IN THE SAUNDERS COLLEGE OF BUSINESS. HIS RESEARCH FOCUSES ON LEADERSHIP AND ETHICS IN THE WORKPLACE.

Dr. Palanski's research has focused on the importance of behavioral integrity for individual leaders and for teams. Leaders are effective when they behave in certain ways: conveying a compelling vision of the future, motivating employees, challenging the status quo, facilitating effective teamwork, and thinking strategically. However, Dr. Palanski's research shows that when leaders fail to do these things in an ethical manner, almost all of these good actions end up actually doing more harm than good. For instance, one of the surest ways for a leader to fail is for the leader to convey a mismatch between his/her words and actions. Conversely, when the leader conveys behavioral integrity (that is, consistency between words and actions), the leader is able to build trust with employees and, as a result, good things usually happen.

Dr. Palanski's more recent work is focusing on a new approach to leadership development called multi-domain leadership. Most existing models of leadership development focus on the actions of the leader in the workplace. However, many leaders experience growth by leading in areas outside of the workplace – perhaps as a volunteer in a not-for-profit organization or even in the home as a parent. Dr. Palanski and his colleagues in the U.S. and Ireland are exploring how leaders who intentionally seek developmental opportunities outside of work can become more effective leaders. They have developed an innovative 360 degree survey that provides developmental feedback across the domains of work, community life, and the personal life of family and friends. This survey is currently being used in Executive MBA programs at the University of Limerick (Ireland), Purdue University Calumet, and RIT.

**MICHAEL PALANSKI**  
ASSOCIATE PROFESSOR  
MANAGEMENT  
SAUNDERS COLLEGE OF BUSINESS







### Chih I Liu, Assistant Professor

**Invited Presentations/Keynotes:** Liu, Chih. "The Mirroring Hypothesis- A Systematic Review Toward Theory Integration." Industry Studies Association 2014 Annual Conference. Industry Studies Association 2014 Annual Conference. Portland, OR. 27-30 May 2014. Conference Presentation. £

### dt ogilvie, Professor

**Journal Paper:** Kirkman, D. and d. ogilvie. "An Examination of Entrepreneurial Orientation in Dedicated Biotechnology Firms: Context Matters." *Organization Management Journal* 11.: 2 (2014): 84-100. Print. « £

**Journal Paper:** Kirkman, D. and d. ogilvie. "An Examination of Entrepreneurial Orientation in Dedicated Biotechnology Firms: Context Matters." *Organization Management Journal* 11. 2 (2014): 84-100. Print. « £

### Joy Olabisi, Assistant Professor

**Journal Paper:** Eubanks, D., et al. "Creativity in Early and Established Career: Insights into Multi-Level Drivers from Nobel Prize Winners." *The Journal of Creative Behavior*. (2014) Web. \*

**Journal Paper:** Oguntebi, Joy, et al. "Creativity in Early and Established Career: Insights into Multi-Level Drivers from Nobel Prize Winners." *The Journal of Creative Behavior*. (2014) Web. « £

**Book Chapter:** Oguntebi, Joy, et al. "Time to Create: Pathways to Earlier and Later Creative Discoveries in Nobel Prize Winners." *Creativity and Leadership in Science, Technology, and Innovation*. New York, NY: Routledge, 2014. forthcoming. Print. £

### Michael Palanski, Associate Professor

**Book Chapter:** Palanski, Michael, et al. "Time to create: Pathways to earlier and later creative discoveries in Nobel Prize winners." *Creativity and Leadership in Science, Technology, and Innovation*. New York, NY: Routledge, 2014. forthcoming. Print. £

**Journal Paper:** Palanski, Michael, et al. "Creativity in Early and Established Career: Insights into Multi-Level Drivers from Nobel Prize Winners." *Journal of Creative Behavior*. (2014): forthcoming. Print. « £

**Journal Paper:** Palanski, Michael and R. Schaefer. "Emotional Contagion at Work: An In-Class Experiential Activity." *Journal of Management Education* 38. (2014): 533-559. Print. « £

**Journal Paper:** Palanski, Michael, et al. "Virtuous Leadership: Exploring the Effects of Leader Courage and Behavioral Integrity on Leader Performance and Image." *Journal of Business Ethics*. (2014): 1-14. Print. « £

### Sandra Rothenberg, Professor

**Journal Paper:** Rothenberg, Sandra, Z. Tang, and C. Hull. "The Impact of Human Resource Management on Corporate Social Performance Strengths and Concerns." *Business and Society*. (2014): forthcoming. Print. « £

**Book Chapter:** Rothenberg, Sandra and D. Levy. "The Role of Corporate Scientists and Institutional Context: Corporate Responses to Climate Change in the Automobile Industry." *Climate Innovation Liberal Capitalism and Climate Change*. Ed. Neil E. Harrison, John Mikler. New York, NY: Palgrave Macmillan, 2014. Web.

**Invited Presentations/Keynotes:** Rothenberg, Sandra and A. Sherman. "Servicizing and Other Models for Reduced Consumption: A Literature Review and Call for Research." *INFORMS Annual Meeting*. INFORMS. San Francisco, CA. 9-12 Nov. 2014. Conference Presentation. Δ £

**Invited Presentations/Keynotes:** Rothenberg, Sandra and A. Sherman. "Business Models and Economic Systems for Reduced Consumption: A Literature Review." *Sustainability, Ethics and Entrepreneurship (SEE) Conference*. SEE. Denver, CO. 22-23 May 2014. Conference Presentation. Δ £

## *Management Information Systems*

### **Sean W Hansen, Assistant Professor**

**Journal Paper:** Liu, Manlu, Sean Hansen, and Qiang Tu. "The Community Source Approach to Software Development and the Kuali Experience." *Communications of the ACM* 57. 5 (2014): 88-96. Web. £

**Published Conference Proceedings:** Hansen, Sean and Kalle Lyytinen. "Requirements Computation: Analyzing Requirements Evolution across Development Paradigms." *Proceedings of the Americas Conference on Information Systems (AMCIS 14')*. Ed. Unknown. Savannah, GA: Association for Information Systems, 2014. Web. £

### **Manlu Liu, Assistant Professor**

**Journal Paper:** Wang, Qiuzhen, et al. "An Eye-tracking Study of Website Complexity: From the Perspective of Cognitive Load." *Decision Support Systems* 62. (2014): 1-10. Print. £

**Journal Paper:** Liu, Manlu, Sean Hansen, and Qiang Tu. "The Community Source Approach to Software Development and the Case of Kuali." *Communications of the ACM* 57. 5 (2014): 88-96. Print. £

**Journal Paper:** Liu, Manlu, Daniel Zeng, and J. Leon Zhao. "Cooperative Investment Decisions in Community Source Development." *International Journal of Information Technology & Decision Making* 13. (2014): 5-28. Print. £

### **Yang Yu, Assistant Professor**

**Journal Paper:** Liang, Fan and Yang Yu. "Heart Motion Uncertainty Compensation Prediction Method for Robot Assisted Beating Heart Surgery-Master-slave Kalman Filters Approach." *Journal of Medical Systems* 38. 5 (2014): 1-12. Web. £

## *Marketing*

### **Robert B Bohner, Senior Lecturer**

**Journal Paper:** Bohner, Robert and Steven Gold. "An evaluation of the causes, extent, and initiators of herding behaviors." *Journal of Applied Financial Research*. (2014): 118-136. Print. £

### **Adriana M Boveda, Assistant Professor**

**Journal Paper:** Aguirre-Rodriguez, Alexandra and Adriana M. Boveda-Lambie. "The impact of consumer avatars in Internet retailing on self-congruity with brands." *Marketing Letters*. (2014): 1-12. Print. \*

### **Vincent M Landers, Assistant Professor**

**Published Conference Proceedings:** Gabler, Colin B. and V. Myles Landers. "Coulda, Shoulda, Woulda: The Impact of Scarcity and Discounts on Post-Purchase Decision Regret." *Proceedings of the Academy of Marketing Science World Marketing Congress*. Ed. Unknown. Lima, Peru: n.p., 2014. Print. £

**Published Conference Proceedings:** Landers, V. Myles, Mary P. Harrison, and Stephanie T. Gillison. "Retail Intimidation." *Proceedings of the Academy of Marketing Science- Annual Conference*. Ed. Unknown. Indianapolis, IN: n.p., 2014. Print. £

### **Joseph C Miller, Assistant Professor**

**Published Conference Proceedings:** Miller, Joseph and Wesley Pollitte. "Knowledge Acquisition in Service Alliances: An Event Study Approach." *Proceedings of the Marketing Management Association*. Ed. Unknown. Chicago, IL: n.p., 2014. Web. £

### **Rajendran S Murthy, Assistant Professor**

**Journal Paper:** Sashittal, Hemant C., Monica A. Hodis, and Rajendran Sriramachandramurthy. "Is Your Brand a Living Entity?" *Sloan Management Review* 55. 3 (2014): 95-96. Web. £

**Journal Paper:** Stromeyer, William, et al. "Prowess and Pitfalls of Bayesian Structural Equation Modeling: Important Considerations for Management Research." *Journal of Management*. (2014): 1-30. Web. £

## *Master of Architecture*

### **J Chiavaroli, Professor**

**Invited Presentations/Keynotes:** Chiavaroli, Jules. "Trends in Architecture and Architectural Education." NY State Concrete Masonry Association Spring Conference. NY State Concrete Masonry Association. Syracuse, NY. 25 Apr. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Chiavaroli, Jules and Mark Krystofik. "Built Environment vs. Sustainability Science." NY Statewide Preservation Conference. Landmark Society of Western New York. Rochester, NY. 25 Apr. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Chiavaroli, Jules and Mary Scipioni. "Resiliency Theory: A Conceptual Framework for Urban Design." American Institute of Architects New York State Design Conference. AIA New York State. Saratoga Springs, NY. 9 Oct. 2014. Conference Presentation. £

### **Ming Hu, Assistant Professor**

**Invited Presentations/Keynotes:** Hu, Ming. "Morphogenesis Design Process- Digital-Biomorphic Design." 2014 5th International Conference on the constructed Environment and construction. University of Pennsylvania. Philadelphia, PA. 16-17 Oct. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Hu, Ming. "Performance Based Design Strategy and Parametric." 102nd ACSA Annual Meeting. Florida International University. Miami, FL. 10-12 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Hu, Ming. "Build Sustainable Community Design for Future." The Inaugural Asian Conference on the Arts, Humanities and Sustainability. The PRES-DA Foundation of Japan. Hiroshima, Japan. 1-3 Dec. 2014. Conference Presentation. \*

## *PhD in Sustainability*

### **Callie Babbitt, Assistant Professor**

**Journal Paper:** Ryen, E.G., et al. "Community Ecology Perspectives on the Structural and Functional Evolution of Consumer Electronics." *Journal of Industrial Ecology* 8. (2014): 708-721. Print. \*

**Journal Paper:** Richa, K., et al. "A Future Perspective on Lithium-ion Battery Waste Flows from Electric Vehicles." *Resources, Conservation, and Recycling* 83. (2014): 63-76. Print. \*

**Journal Paper:** Wang, X., et al. "Economies of Scale for Future Lithium-ion Battery Recycling Infrastructure." *Resources, Conservation, and Recycling* 83. (2014): 53-62. Print. \*

**Journal Paper:** Wang, X., et al. "Economic and Environmental Characterization of an Evolving Li-ion Battery Waste Stream." *Journal of Environmental Management* 135. (2014): 126-134. Print. \*

**Journal Paper:** Ganter, M.J., et al. "Cathode Refunctionalization as a Lithium Ion Battery Recycling Alternative." *Journal of Power Sources* 256. (2014): 274-280. Print. \*

**Journal Paper:** Krystofik, M., C.W. Babbitt, and G. Gaustad. "When Consumer Behavior Dictates Life-cycle Performance Beyond the Use Phase: Case Study of Inkjet Cartridge End-of-life Management." *International Journal of Life Cycle Assessment* 19. (2014): 1129-1145. Print. \*

**Journal Paper:** Ebner, J., et al. "Life Cycle Greenhouse Gas (GHG) Impacts of a Novel Process for Converting Food Waste to Ethanol and Co-products." *Applied Energy* 130. 86-93 (2014): 86-93. Print. \*

**Invited Presentations/Keynotes:** Babbitt, C.W. "Product Stewardship in the Digital Era." Invited Presentation. Roberts Wesleyan College. Rochester, NY. 28 Mar. 2014. Lecture.

**Invited Presentations/Keynotes:** Richa, K. and C.W. Babbitt. "Environmental Trade-offs of Electric Vehicle Lithium-ion Batteries with a Cascading Second Life." *International Symposium on Sustainable Systems and Technology. ISSST. Oakland, CA. 18 May 2014. Conference Presentation.* £

**External Scholarly Fellowships:**

8/1/2014-

7/31/2017

National Science Foundation

Amount: 300,854

\* ≠

**Roger B Chen**

**Journal Paper:** Chen, Roger B. and Hani S. Mahmassani. "Let it Rain: Weather Effects on Activity Stress and Scheduling Behavior." *Travel Behaviour and Society* 2. 1 (2014): 55-64. Print. \*

**Gabrielle Gaustad, Assistant Professor**

**Journal Paper:** Bustamante, M. and G. Gaustad. "Challenges in Assessment of Clean Energy Supply-Chains Based on Byproduct Minerals: A Case Study of Tellurium Use in Thin Film Photovoltaics." *Applied Energy, Special Issue on Sustainable Supply Chains and Energy Security* 123. (2014): 397-414. Print. \* £ ≠

**Journal Paper:** Ganter, M., et al. "Cathode Refunctionalization as a Lithium-ion Battery Recycling Alternative." *Journal of Power Sources* 256. (2014): 274-280. Print. \* £ ≠

**Journal Paper:** Krystofik, M., C. Babbitt, and G. Gaustad. "When Consumer Behavior Dictates Life-cycle Performance Beyond the Use Phase: Case Study of Inkjet Cartridge End-of-life Management." *International Journal of Life-cycle Assessment* 19. 5 (2014): 1129-1145. Print. \* £ ≠

**Journal Paper:** Goe, M. and G. Gaustad. "Strengthening the Case for Recycling Photovoltaics: An Energy Payback Analysis." *Applied Energy* v 120. (2014): 41-48. Print. \* £ ≠

**Journal Paper:** Goe, M. and G. Gaustad. "Identifying Critical Materials for Photovoltaics in the US: A Multi-metric Approach." *Applied Energy, special issue on Sustainable Supply Chains and Energy Security* v 123. (2014): 387-396. Print. \* £ ≠

**Journal Paper:** Wang, X., et al. "Economic and Environmental Characterization of an Evolving Li-ion Battery Waste Stream." *Journal of Environmental Management* v 135. (2014): 126-134. Print. \* £ ≠

**Journal Paper:** Wang, X., et al. "Economies of Scale for Recycling Li-ion Batteries." *Resources, Conservation, and Recycling* v 83. (2014): 53-62. Print. \* £ ≠

**Journal Paper:** Richa, K., et al. "A Future Perspective on Lithium-ion Battery Waste Flows from Electric Vehicles." *Resources, Conservation, and Recycling* v 83. (2014): 63-76. Print. \* £ ≠

**Published Conference Proceedings:** Bustamante, Michele and Gabrielle Gaustad. "The Evolving Copper-Tellurium Byproduct System: A Review of Extraction and Processing Technologies." *Proceedings of the Rare Metal Extraction and Processing Symposium Proceedings, TMS Annual Meeting and Exhibition. Ed. Neale Neelameggham, et al. San Diego, CA: n.p., 2014. Print.* \* ≠

## Featured Faculty

**GABRIELLE GAUSTAD** IS AN ASSOCIATE PROFESSOR IN THE GOLISANO INSTITUTE FOR SUSTAINABILITY. HER RESEARCH FOCUSES ON THE SUSTAINABILITY IMPLICATIONS OF MATERIALS AT THEIR END-OF-LIFE.

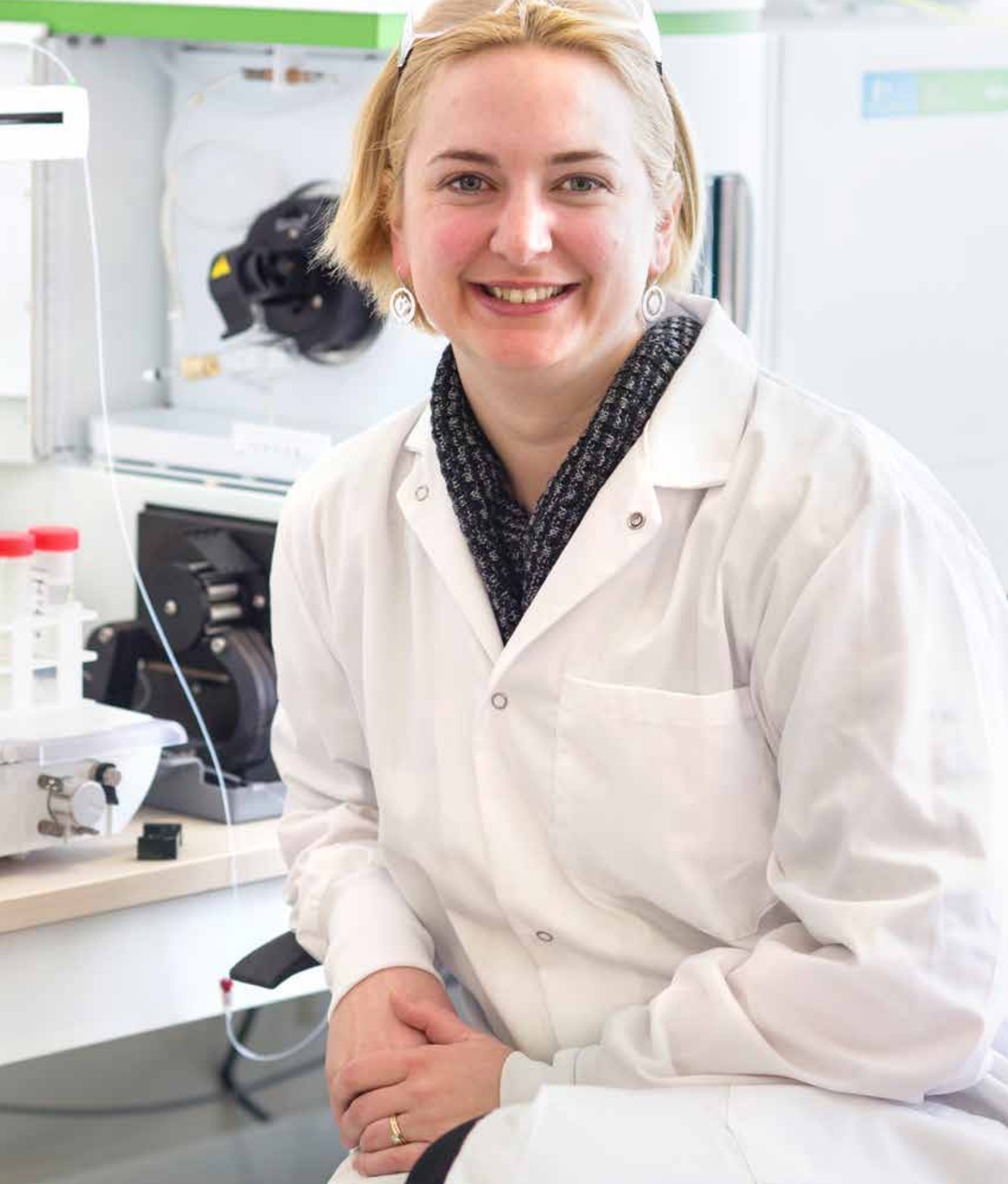
A major sustainability challenge of the 21st century is exponentially increasing consumption of materials and the related energy and waste burden. The Gaustad group conducts research quantifying the economic and environmental trade-offs for materials at their end-of-life with a focus on recycling and resource recovery. Methodologies include a variety of systems modeling techniques such as dynamic material flow analysis, optimization, simulation, systems dynamics, economic modeling, process based cost modeling, and life-cycle assessment, as well as traditional material characterization such as TGA, PSD, SEM, XRD, XRF, EDS, and ICP-MS. This unique combination of systems thinking, computational engineering, and fundamental material characterization has resulted in a successful research program resulting in student recognition, significant external funding, and high impact publications.

Specific projects include environmentally benign and economically efficient recycling of lithium ion batteries, particularly those containing nanomaterials, implications of material scarcity and criticality for next generation PV production and rare earth metals, and aluminum recycling technologies and compositional analysis. In 2014, Dr. Gaustad published 9 peer-reviewed high impact publications, all with RIT graduate students as first authors, in journals such as Applied Energy and the Journal of Environmental Management. Dr. Gaustad is active in the promoting the success of under-represented groups in the STEM disciplines. She advised two female students who earned their PhDs in 2014 and has served as a McNair mentor, ACS SEED scholar advisor, and participates in the WE@RIT summer camps for 4-6th grade girls.

Since arriving at RIT, Gaustad has received over \$1M in external funding which has been used to support PhD, MS, and undergraduate student education and research. In 2015, Dr. Gaustad was awarded the prestigious Faculty Early Career Development (CAREER) Award from the National Science Foundation to study supply chain gaps for scarce clean energy materials and develop novel metrics to assess their criticality.

**GABRIELLE GAUSTAD**  
ASSISTANT PROFESSOR  
PHD IN SUSTAINABILITY  
GOLISANO INSTITUTE OF SUSTAINABILITY





**Invited Presentations/Keynotes:** Krystofik, M., J. Wagner, and G. Gaustad. "Tying Product Re-use into Tying Arrangements: Competitive Advantage by Closing the Loop." 3rd Annual World Remanufacturing Summit. RIT. Rochester, New York. 26 Sep. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Stoker, A., et al. "Implementing Practical Micro-Hydropower." Honorable Mention EPA P3 Award, Sustainable Design Expo. US EPA. Washington, DC. 11-12 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Garvey, T., C. Babbitt, and G. Gaustad. "Evaluating the Potential Eco-toxicity Impacts of Nanomaterial Manufacture." Pollution Prevention Institute Earth Day Poster Session. RIT. Rochester, NY. 22 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Wang, X., C. Babbitt, and G. Gaustad. "Nanoparticle Exposure Potential During the Mechanical Treatment of End-of-life Lithium-ion Batteries." Toxicology and Risk Assessment Conference. CDC. Cincinnati, OH. 8-9 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Garvey, T., C. Babbitt, and G. Gaustad. "Evaluating the Potential Eco-toxicity Impacts of Nanomaterial Manufacture." Toxicology and Risk Assessment Conference. CDC. Cincinnati, OH. 8-9 Apr. 2014. Conference Presentation.

#### **Nabil Nasr, Professor**

**Invited Article/Publication:** Nasr, Nabil Z. "Energy Innovation Will Drive Production." *Industrial Engineer*. (2014). Print. ^

**Invited Article/Publication:** Nasr, Nabil Z. "Industrial Development vs. Sustainability." *Industrial Engineer*. (2014). Print. ^

**Invited Article/Publication:** Nasr, Nabil Z. "The Why of 'Decoupling'." *Industrial Engineer*. (2014). Print. ^

**Invited Article/Publication:** Nasr, Nabil Z. "Designing Construction for Sustainability." *Industrial Engineer*. (2014). Print. ^

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Sustainable Production and the Circular Economy." Seminar on Energy and Sustainability. RIT Dubai. Dubai, UAE. 9 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Sustainable Manufacturing and Closed Loop Systems." U.S. NSF- China NSF Workshop on Sustainable Manufacturing. NSF. Wuhan, China. 14 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "The Future of Manufacturing." Council for Chemical Research Annual Meeting. Council for Chemical Research. Alexandria, VA. 20 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Introduction to the Circular Economy." 3rd Annual World Remanufacturing Summit. Goli-sano Institute for Sustainability. Rochester, NY. 25 Sep. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Defining Remanufacturing and its Potentials for Increased Resource Efficiency." International Experts Workshop: Towards Resource Efficiency: Innovation and Remanufacturing. Federal Ministry for the Environment. Berlin, Germany. 1 Oct. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Global Overview of Remanufacturing Activities and Opportunities, Remanufacturing in the US." International Experts Workshop: Towards Resource Efficiency: Innovation and Remanufacturing. Federal Ministry for the Environment. Berlin, Germany. 1 Oct. 2014. Conference Presentation.



**Invited Presentations/Keynotes:** Nasr, Nabil Z. "Sustainable Production and the Circular Economy." The International Conference on Industry-Academia Collaboration. Industry Academia Collaboration. Cairo, Egypt. 3 Mar. 2014. Keynote Speech.

**Thomas Trabold, Associate Professor**

**Journal Paper:** Walluk, M.R., et al. "Diesel Autothermal Reforming for Solid Oxide Fuel Cell Systems: Anode Off-gas Recycle Simulation." *Applied Energy* 130. (2014): 94-102. Print. \*

**Journal Paper:** Waller, M.G., et al. "Current and Theoretical Maximum Well-to-wheels Exergy Efficiency of Options to Power Vehicles with Natural Gas." *Applied Energy* 127. (2014): 55-63. Print. \*

**Journal Paper:** Owejan, J.P., T.A. Trabold, and M.M. Mench. "Oxygen Transport Resistance Correlated to Liquid Water Saturation in the Gas Diffusion Layer of PEM Fuel Cells." *International Journal of Heat and Mass Transfer* 71. (2014): 585-592. Print. \*

**Journal Paper:** Lin, J., et al. "Bio-fuel Reforming for Solid Oxide Fuel Cell Applications. Part 2: Biodiesel." *International Journal of Hydrogen Energy* 39. (2014): 183-195. Print. \*

**Journal Paper:** Lin, J., et al. "Bio-fuel Reforming for Solid Oxide Fuel Cell Applications. Part 3: Biodiesel-diesel Blends." *International Journal of Hydrogen Energy* 39. (2014): 196-208. Print. \*

**Published Conference Proceedings:** Waller, M.G., M.R. Walluk, and T.A. Trabold. "Towards the Development of a Fuel Cell System for Residential Applications: Propane Reforming Via Catalytic Partial Oxidation." *Proceedings of the ASME 8th International Conference on Energy Sustainability & 12th International Fuel Cell Science, Engineering and Technology Conference*. Ed. J. Brouwer et al. New York, NY: ASME, 2014. Print. \*

**Published Conference Proceedings:** Ebner, J., et al. "Estimating the Biogas Potential from Colleges and Universities." *Proceedings of the ASME 8th International Conference on Energy Sustainability & 12th International Fuel Cell Science, Engineering and Technology Conference*. Ed. J. Brouwer et al. New York, NY: ASME, 2014. Print. \*

**Published Conference Proceedings:** Fenton, D.J., J.J. Gagliardo, and T.A. Trabold. "Analysis of Water Morphology in the Active Area and Channel-to-manifold Transitions of a PEM Fuel Cell." *Proceedings of the the ASME 8th International Conference on Energy Sustainability & 12th International Fuel Cell Science, Engineering and Technology Conference*. Ed. J. Brouwer et al. New York, NY: ASME, 2014. Print. \*

**Patents:** Owejan, J.P., et al. "PEM Fuel Cell Stack Inlet Water Regulation System." Patent 8,877,392. 4 Nov. 2014.

**Patents:** Owejan, J.P., et al. "PEM Fuel Cell Stack Inlet Water Regulation System." Patent 8,859,163. 14 Oct. 2014.

**Patents:** Dadheech, G.V., et al. "Graphene Coated SS Bipolar Plate." Patent 8,758,957. 24 Jun. 2014.

**Patents:** Schlag, H., et al. "Fuel Cell Component with Coating Including Nanoparticles." Patent 8,735,022. 27 May 2014.

**Invited Presentations/Keynotes:** Trabold, T.A. "Fuel Cell Systems for Mobile Power Applications." *Mechanical Engineering Seminar Series*. University of Rochester. Rochester, NY. 5 Dec. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Trabold, T.A. "Sustainable Energy Pathways: Biomass Waste-to-energy and Integrated Energy Systems." *ACS Annual Meeting*. American Chemical Society. San Francisco, CA. 14 Aug. 2014. Guest Lecture.



**Invited Presentations/Keynotes:** Trabold, T.A. "Sustainable Energy Pathways: Wind, Solar and Electrochemical Systems." NSF Partnerships in Research and Education (PIRE). Case Western Reserve University. Cleveland, OH. 30 May 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Trabold, T.A. "Fuel Cell Technology." 11th Tactical Power Sources Summit. Institute for Defense and Government Advancement. Washington, DC. 27 Jan. 2014. Guest Lecture.

**Journal Paper:** Waller, M.G., M.R. Walluk, and T.A. Trabold. "Operating Envelop of a Short Contact Time Fuel Reformer for Propane Catalytic Partial Oxidation." *Journal of Power Sources* 274. (2014): 149-155. Web. \*

**Journal Paper:** Walluk, M.R., et al. "Comparison of Reforming Performance of JP-8 and HRJ-5 for Fuel Cell Applications." *Fuel* 139. (2014): 35-39. Web. \*

**Eric Williams, Associate Professor**

**Journal Paper:** Mutchek, Michele and Eric Williams. "Moving Towards Sustainable and Resilient Smart Water Grids." *Challenges* 5. (2014): 123-137. Web. \*

**Journal Paper:** Waller, Michael, et al. "Current and Theoretical Maximum Well-to-wheels Exergy Efficiency of Options to Power Vehicles with Natural Gas." *Applied Energy* 127. (2014): 55-63. Print. \*

**Journal Paper:** Sekar, Ashok, Eric Williams, and Mikhail Chester. "Siting is a Constraint to Realize Environmental Benefits from Carbon Capture and Storage." *Environmental Science and Technology* 48. 19 (2014): 11705-11712. Print. \*

**Nenad Nenadic, Research Associate Professor**

**Journal Paper:** Nenadic, Nenad G., et al. "Estimation of State-of-Charge and Capacity of Used Lithium-Ion Cells." *International Journal of Prognostics and Health Management* 5. 2 (2014): 1-12. Web. \*

**Published Conference Proceedings:** Bussey, Howard E., et al. "Case study: Models for Detecting Low Oil Pressure Anomalies on Commercial Vehicles." *Proceedings of the Annual Conference of the PHM Society 2014*. Ed. Sankararaman Shankar. Fort Worth, TX: PHM Society, 2014. Web. \*





## *Biomedical Engineering*

### **Thomas R Gaborski, Assistant Professor**

**Journal Paper:** Qi, Chengzhu, et al. "Highly Porous Silicon Membranes Fabricated from Silicon Nitride/Silicon Stacks." *Small* 42. 11-12 (2014): 851-855. Print. \*

**Journal Paper:** Mazzocchi, Andrea R, et al. "Porous Membranes Promote Endothelial Differentiation of Adipose-Derived Stem Cells and Perivascular Interactions." *Cellular and Molecular Bioengineering* 7. 3 (2014): 369-378. Print. \*

**Journal Paper:** DesOrmeaux, Jon-Paul S, et al. "Nanoporous Silicon Nitride Membranes Fabricated from Porous Nanocrystalline Silicon Templates." *Nanoscale* 6. 18 (2014): 10798-10805. Print. \*

**Journal Paper:** Nehilla, Barrett J, et al. "Endothelial Vacuolization Induced By Highly-permeable Silicon Membranes." *Acta Biomaterialia* 10. 11 (2014): 4670-4677. Print. \*

**Journal Paper:** Miller, Joshua J, et al. "Lift-off of Large-Scale Ultrathin Nanomembranes." *Journal of Micromechanics and Microengineering* 25. 1 (2014): 15011. Print. \*

**Invited Presentations/Keynotes:** Gaborski, Thomas R. "Porous Membranes Promote Endothelial Differentiation of Adipose-Derived Stem Cells and Perivascular Interactions." *Biomedical Engineering Society Annual Meeting. BMES.* San Antonio, TX. 25 Oct. 2014. Conference Presentation. \*

### **Behnaz Ghoraani, Assistant Professor**

#### **Published Conference Proceedings:**

Sinkiewicz, Daniel, Lendra Friesen, and Behnaz Ghoraani. "Analysis of Cochlear Implant Artifact Removal Techniques Using the Continuous Wavelet Transform." *Proceedings of the 36th Annual International IEEE EMBS Conference.* Ed. Unknown. Chicago, IL: n.p., 2014. Print. \*

**Published Conference Proceedings:** Ladavich, Steven and Behnaz Ghoraani. "Developing an Atrial Activity-Based Algorithm for Detection of Atrial Fibrillation." *Proceedings of the 36th Annual International IEEE EMBS Conference.* Ed. Unknown. Chicago, Illinois: n.p., 2014. Print. \*

**Published Conference Proceedings:** Sterling, Mark, David T. Huang, and Behnaz Ghoraani. "Developing Time-Frequency Features for Prediction of the Recurrence of Atrial Fibrillation After Electrical Cardioversion Therapy." *Proceedings of the 36th Annual International IEEE EMBS Conference.* Ed. Unknown. Chicago, Illinois: n.p., 2014. Print. \*

**Published Conference Proceedings:** Ganesan, Prasanth, et al. "Rotational Activities During Atrial Fibrillation Associate with Incremental Gradient of Total Conduction Delay from Multipole Diagnostic Catheters." *Proceedings of the Upstate NY Cardiac Electrophysiology Society Annual Meeting.* Ed. Michael Morales. Buffalo, NY: n.p., 2014. Print. \*

**Published Conference Proceedings:** Ladavich, Steven and Behnaz Ghoraani. "Developing an Atrial Activity-Based Algorithm for Detection of Atrial Fibrillation." *Proceedings of the 2nd Annual Effective Access Technology Conference.* Ed. Unknown. Rochester, NY: n.p., 2014. Web. £

**Published Conference Proceedings:**

Mamaghani, Baabak, et al. "Entropy and Frequency Analysis of New Electrocardiogram Lead Placement for Atrial Fibrillation Detection." Proceedings of the 2nd Annual Effective Access Technology Conference. Ed. Unknown. Rochester, NY: n.p., 2014. Web. £

**Published Conference Proceedings:** Sterling, Mark and Behnaz Ghoraani. "Matching Pursuit Decomposition For Disorganization Analysis of the Surface Electrocardiogram During Atrial Fibrillation." Proceedings of the IEEE International Humanitarian Technology Conference. Ed. N/A. Montreal, Quebec: n.p., 2014. Print. \*

**Invited Presentations/Keynotes:** Ghoraani, Behnaz. "Biomedical Signal Feature Extraction: Advanced Methods and Applications." Biomedical Engineering Seminar Series. University of Wisconsin-Milwaukee. Milwaukee, Wisconsin. 12 Sep. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Ghoraani, Behnaz. "Time-Frequency Matrix Feature Extraction and Classification of Environmental Audio Signals." Computer Audition. University of Rochester. Rochester, New York. 20 Nov. 2014. Guest Lecture.

**Blanca H Lapizco-Encinas, Associate Professor**

**Book Chapter:** Lapizco-Encinas, B.H. "Applications of Dielectrophoresis in Microfluidics." Microfluidics in Detection Science: Lab-on-a-chip Technologies. Ed. Labeed, Fatima. London, UK: Royal Chemistry Society, 2014. 192-223. Print. Δ £

**Journal Paper:** Saucedo-Espinosa, M.A. and B.H. Lapizco-Encinas. "Experimental and Theoretical Study of Dielectrophoretic Particle Trapping in Arrays of Insulating Structures: Effect of Particle Size and Shape." Electrophoresis. (2014): 1-13. Print. £

**Journal Paper:** LaLonde, A., et al. "Effect of Insulating Posts Geometry on Particle Manipulation in Insulator Based Dielectrophoretic Devices." Journal of Chromatography A 1344. (2014): 99-108. Print. £

**Journal Paper:** Gencoglu, A., et al. "Dynamic Microparticle Manipulation With an Electroosmotic Flow Gradient with Low Frequency Alternating Current Dielectrophoresis." Electrophoresis 35. 2-3 (2014): 362-373. Print. £

**Journal Paper:** Gallo-Villanueva, R.C., et al. "Joule Heating Effects on Particle Immobilization in Insulator-Based Dielectrophoretic Devices." Electrophoresis 35. 2-3 (2014): 352-361. Print. £

**Journal Paper:** Lapizco-Encinas, B.H. and R.V. Davalos. "Editorial: 2013 AES Annual Meeting." Electrophoresis 35. 12-13 (2014): 1767. Print. £

**Journal Paper:** LaLonde, A., M.F. Romero-Creel, and B.H. Lapizco-Encinas. "Assessment of Cell Viability after Manipulation with Insulator-Based Dielectrophoresis." Electrophoresis. (2014): 1-5. Print. £

**Journal Editor:** Lapizco-Encinas, B.H., ed. Electrophoresis. Germany: Wiley, 2014. Print.

**Judged National/International Competition**

**Award Winner:** Rauch, M., A. LaLonde, and B.H. Lapizco-Encinas. AES-AIChE Annual Meeting. Winner, poster session. Atlanta, GA, 2014.

**Invited Presentations/Keynotes:** Saucedo-Espinosa, M.A. and B.H. Lapizco-Encinas. "On the Fundamentals of Dielectrophoretic Particle Trapping in Arrays of Insulating Structures." Dielectrophoresis 2014. Institute of Physics. London, UK. 14 Jul. 2014. Conference Presentation. Δ

## Featured Faculty

**MEHRAN MOZAFFARI KERMANI** IS AN ASSISTANT PROFESSOR IN THE ELECTRICAL AND MICROELECTRONIC ENGINEERING DEPARTMENT IN THE KATE GLEASON COLLEGE OF ENGINEERING. HIS RESEARCH INTERESTS LIE IN THE FIELDS OF DEEPLY-EMBEDDED SYSTEM SECURITY, CRYPTOGRAPHIC ENGINEERING, AND ASIC/FPGA RELIABILITY.

Unlike traditional embedded systems, nowadays, emerging computing systems are embedded in every aspect of human lives. These deeply-embedded computing systems often perform extremely sensitive tasks, and in some cases, such as health-care IT, these are life-saving. Thus, in addition to the security threats to traditional embedded systems, emerging deeply-embedded computing systems exhibit a larger attack surface, prone to more serious or life-threatening malicious attacks. As such, new trends for providing security for deeply-embedded systems are emerging; many of which abandoning use of cryptographic computations or make use of lightweight crypto-systems, feasible for these computing platforms.

Mehran Mozaffari Kermani works concurrently on three research topics. Part of his research group works on cryptographic engineering. In short, the research group is involved in the design, implementation, and optimization of crypto-systems in embedded hardware and software. In addition, the group actively works on emerging topics in side-channel analysis attacks and countermeasures. His research group also conducts research on emerging areas in embedded systems security, applicable to constrained, sensitive nodes in different applications ranging from industrial networks to implantable and wearable medical devices deeply embedded in human body. Moreover, the research group is actively involved in providing reliability approaches for vulnerable implementations of crypto-systems to natural/malicious faults. Currently, he is serving as an Associate Editor for the ACM Transactions on Embedded Computing Systems and the lead Guest Editor for the IEEE/ACM Transactions on Computational Biology and Bioinformatics. Moreover, he has served as the lead Guest Editor of the IEEE Transactions on Emerging Topics in Computing.

Mehran Mozaffari Kermani is working very closely with the Computer Engineering Department and especially with Reza Azarderakhsh, one of the well-known researchers in Cryptographic Engineering. Specifically, he works with Reza Azarderakhsh on editing well-known IEEE Transactions journals, publishing research articles on cryptography and embedded systems security, supervising graduate students, and attracting external fund. This close collaboration across departments in a research area that is of strategic significance for RIT as well as for society has been (and is expected to be) a pivotal plan for both Mehran and Reza.

**MEHRAN MOZAFFARI KERMANI**  
ASSISTANT PROFESSOR  
ELECTRICAL AND MICROELECTRONIC ENGINEERING  
KATE GLEASON COLLEGE OF ENGINEERING





**Cristian A Linte, Assistant Professor**

**Journal Paper:** Linte, CA, et al. "Tissue Damage Characterization, Lesion Assessment and Visualization for Image-guided Cardiac Ablation." *Journal of Computer Assisted Radiology and Surgery* 9. (2014): 93-101. Print. \*

**Journal Paper:** Linte, CA, et al. "Virtual Platform for Spine Surgery Planning: Initial Assessment and Clinical Experience." *Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization*. (2014) Web. \*

**Invited Paper:** Linte, CA and ZR Yaniv. "When Change Happens: Computer Assistance and Image Guidance for Minimally Invasive Therapy." *Healthcare Technology Letters*. Vol. 1. Pp. 2-5. (2014). Print. \* Δ

**Journal Paper:** Sun, D, et al. "Anatomic Surface Reconstruction from Samples Point Cloud Data and Prior Models." *Studies in Health Technology and Informatics* 196. (2014): 387-393. Print. \*

**Published Conference Proceedings:** Dangi, S, et al. "Endocardial Left Ventricle Feature Tracking and Reconstruction from Tri-plane TEE Data for Computer-assisted Image Guidance and Cardiac Function Assessment." *Proceedings of the SPIE Medical Imaging Imaging- Image-guided Procedures, Robotic Interventions and Modeling*. Ed. ZR Yaniv and R Webster III. Bellingham, WA: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Potter, MJ, et al. "Augmenting Real-time Video with Virtual Models for Enhanced Visualization for Simulation, Training and Guidance." *Proceedings of the SPIE Medical Imaging- Image Perception, Observer Performance, and Technology Assessment*. Ed. C Mello-Thoms. Bellingham, WA: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Camp, JJ, et al. "The Effect of Elastic Modulus on Ablation Catheter Contact Area." *Proceedings of the SPIE Medical Imaging Imaging- Image-guided Procedures, Robotic Interventions and Modeling*. Ed. ZR Yaniv and R Webster III. Bellingham, WA: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Dawson-Elli, A, et al. "An Integrated "Plug & Play" 3D Slicer Module for Image-guided Navigation for Training, Simulation and Guidance." *Proceedings of the IEEE Western NY Image & Signal Processing*. Ed. N Cahill. Piscataway, NY: IEEE, 2014. Web. \*

**Published Conference Proceedings:** Linte, CA, et al. "Virtual Estimates of Fastening Strength for Pedicle Screw Implantation Procedures." *Proceedings of the SPIE Medical Imaging Imaging- Image-guided Procedures, Robotic Interventions and Modeling*. Ed. ZR Yaniv and R Webster III. Bellingham, NY: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Rettmann, ME, et al. "Toward Standardized Mapping for Left Atrial Analysis and Cardiac Ablation Guidance." *Proceedings of the SPIE Medical Imaging Imaging- Image-guided Procedures, Robotic Interventions and Modeling*. Ed. ZR Yaniv and R Webster III. Bellingham, WA: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Linte, CA, et al. "Formulating a Pedicle Screw Fastening Strength Surrogate via Patient-specific Virtual Templating and Planning." *Proceedings of the MICCAI 2013 Workshop on Bio-Imaging and Visualization for Patient-Customized Simulations*. Ed. S Li and J Tavares. Heidelberg, Germany: Springer, 2014. Print. \*



**Published Conference Proceedings:** Sun, D, et al. "Updating a Preoperative Surface Model with Information From Real-time Tracked 2D Ultrasound using a Poisson Surface Reconstruction Algorithm." Proceedings of the SPIE Medical Imaging Imaging- Image-guided Procedures, Robotic Interventions and Modeling. Ed. ZR Yaniv and R Webster III. Bellingham, WA: SPIE, 2014. Print. \*

**Book Chapter:** Linte, CA, et al. "Toward Virtual Modeling and Templating for Enhanced Spine Surgery Planning." Spinal Imaging and Image Analysis. Heidelberg, Germany: Springer, 2014. 441-67. Print. \*

**Full Length Book:** Linte, CA, et al. Augmented Environments for Computer-Assisted Interventions. 9th ed. Heidelberg, Germany: Springer, 2014. Print. \*

**Invited Presentations/Keynotes:** Linte, CA, et al. "Applications of Augmented and Virtual Reality in the Operating Room." IEEE EMBS Vancouver Chapter. IEEE / University of British Columbia. Vancouver, Canada. 9 Oct. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Linte, CA, et al. "Sustaining Innovation- Engaging with IEEE Societies." IEEE USA Annual Meeting. IEEE. Providence, RI. 17 May 2014. Guest Lecture. £

**Invited Presentations/Keynotes:** Linte, CA, et al. "The Role of Imaging in Minimally Invasive Intervention." ASME Verification & Validation Symposium. ASME. Las Vegas, NV. 8 May 2014. Guest Lecture. £

**Invited Presentations/Keynotes:** Sun, D, et al. "Updating a Preoperative Surface Model with Information from Real-time Tracked 2D Ultrasound Using a Poisson Surface Reconstruction Algorithm." SPIE Medical Imaging 2014. SPIE. San Diego, CA. 19 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Dawson-Elli, A, et al. "An Integrated "Plug & Play" 3D Slicer Module for Image-guided Navigation for Training, Simulation and Guidance." IEEE Western NY Image & Signal Processing Workshop. IEEE. Rochester, NY. 7 Nov. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Sun, D, et al. "Anatomic Surface Reconstruction from Samples Point Cloud Data and Prior Models." Medicine Meets Virtual Reality. NextMed. Long Beach, CA. 21 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Rettmann, ME, et al. "Toward Standardized Mapping for Left Atrial Analysis and Cardiac Ablation Guidance." SPIE Medical Imaging 2014. SPIE. San Diego, CA. 18 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Linte, CA, et al. "Virtual Estimates of Fastening Strength for Pedicle Screw Implantation Procedures." SPIE Medical Imaging 2014. SPIE. San Diego, CA. 19 Feb. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Linte, CA, et al. "Tissue Damage Characterization, Lesion Assessment and Visualization for Image-guided Cardiac Ablation." International Computer Assisted Radiology and Surgery Congress. CARS. Fukuoka, Japan. 26 Jun. 2014. Conference Presentation. \*

*Center for Quality and Applied Statistics*

#### **Peter Bajorski, Professor**

**Published Conference Proceedings:** Bajorski, Peter, et al. "Use of Clustering with Partial Least Squares Regression for Predictions Based on Hyperspectral Data." Proceedings of the Hyperspectral Image and Signal Processing: Evolution in Remote Sensing. Ed. Jocelyn Chanussot. Hoboken, NJ: n.p., 2014. Print. £



**Journal Paper:** Bajorski, Peter, et al. "Effect of pH and Oxygen on Biofilm Formation in Acute Otitis Media Associated NTHi Clinical Isolates." *The Laryngoscope*. (2014): NA. Print. \*

**Journal Paper:** Bajorski, Peter, et al. "Stochastic Analysis and Modeling of a Tree-Based Group Key Distribution Method in Tactical Wireless Networks." *Journal of Telecommunications System & Management*. (2014): 1-8. Web. \*

**Invited Paper:** Bajorski, Peter. "General Remarks on Applied Mathematics and Statistics." *Mathematica Applicanda*. (2014). Print. Δ

#### **Daniel R Lawrence, Professor**

**Published Conference Proceedings:** Fedorovskaya, Elena A. and Daniel R. Lawrence. "Identifying Image Preferences Based on Demographic Attributes." *Proceedings of the Human Vision and Electronic Imaging XIX*. Ed. Bernice E. Rogowitz, Thrasyvoulos N. Pappas, and Huib de Ridder. Bellingham, Washington: SPIE, 2014. Print. £

#### *Chemical Engineering*

#### **Karuna Koppula, Lecturer**

**Journal Paper:** Gencoglu, Aytug, et al. "Dynamic Microparticle Manipulation With an Electroosmotic Flow Gradient with Low Frequency Alternating Current Dielectrophoresis." *Electrophoresis* 35. (2014): 362-373. Print. \*

**Journal Paper:** LaLonde, Alexandra, et al. "Effect of Insulating Posts Geometry on Particle Manipulation in Insulator Based Dielectrophoretic Devices." *Journal of Chromatography*. (2014): 99-108. Web. \*

**Journal Paper:** Stevens, Robert J., Steven J. Weinstein, and Karuna S. Koppula. "Theoretical Limits of Thermoelectric Power Generation from Exhaust Gases." *Applied Energy*. (2014): 80-88. Print. \*

#### **Brian Landi, Associate Professor**

**Journal Paper:** Cox, N.D., et al. "Spatially Selective Au Nanoparticle Deposition and Raman Analysis of Ion-irradiated Single-wall Carbon Nanotubes." *The Journal of Physical Chemistry C* 118. (2014): 14031-14038. Print. \*

**Journal Paper:** Forney, M.W., et al. "Advanced Ge Nanoparticle Composite Anodes Using Single Wall Carbon Nanotube Conductive Additives." *Journal of Materials Chemistry A* 2 35. (2014): 14528-14535. Print. \*

**Journal Paper:** Ganter, M.J., et al. "Cathode Refunctionalization As A Lithium Ion Battery Recycling Alternative." *Journal of Power Sources* 256. (2014): 274-280. Print. \*

**Journal Paper:** Schauerman, C.M., et al. "Ultrasonic Welding of Bulk Carbon Nanotube Conductors." *Advanced Engineering Materials* 17. (2014): 76-83. Print. \*

**Journal Paper:** Wang, X., et al. "Economic And Environmental Characterization Of An Evolving Li-ion Battery Waste Stream." *Journal of Environmental Management* 135. (2014): 126-134. Print. \*

#### **Reginald E Rogers, Assistant Professor**

**Journal Paper:** Dichiara, Anthony B, Jared Benton-Smith, and Reginald E Rogers. "Enhanced Adsorption of Carbon Nanocomposites Exhausted with 2,4-Dichlorophenoxyacetic Acid after Regeneration by Thermal Oxidation and Microwave Irradiation." *Environmental Science: Nano* 1. 2 (2014): 113. Print. £

**Journal Paper:** Dichiara, Anthony B, et al. "Free-standing Carbon Nanotube/Graphene Hybrid Papers as Next Generation Adsorbents." *Nanoscale* 6. 12 (2014): 6322-6327. Print. \* £



**Published Conference Proceedings:** Dichiarara, Anthony B, Michael R Webber, and Reginald E Rogers. "Removal of Metal Ions and Organic Compounds from Aqueous Environments Using Versatile Carbon Nanotube/Graphene Hybrid Adsorbents." Proceedings of the 2014 Materials Research Society Fall Meeting. Ed. Yoong Ahm Kim. Boston, MA: Cambridge Press, 2014. Print. \* £

**Invited Presentations/Keynotes:** Rogers, Reginald E. "Free-standing Carbon Nanocomposites as Next Generation Adsorbents." Chemical Engineering Graduate Seminar Series. Colorado School of Mines. Golden, CO. 24 Oct. 2014. Lecture.

### Steven Weinstein, Professor

**Journal Paper:** Stevens, Robert J., Steven J. Weinstein, and Karuna S. Koppula. "Theoretical Limits of Thermoelectric Power Generation from Exhaust Gases." Applied Energy 133. (2014): 80-88. Print. £

**Journal Paper:** Dichiarara, Anthony B., et al. "Free-Standing Carbon Nanotube/Graphene Hybrid Papers as Next Generation Absorbents." Nanoscale 6. (2014): 6322-6327. Print. £

**Journal Paper:** Barlow, Nate S., et al. "Critical Isotherms from Virial Series Using Asymptotically Consistent Approximants." AIChE Journal 60. 9 (2014): 3336-3349. Print. Δ

**Journal Paper:** Lee, S. H., et al. "Gravity-driven Instability of a Thin Liquid Film Underneath a Soft Solid." Physical Review E 90. (2014): 1-9. Print. £

### *Computer Engineering*

### Reza Azarderakhsh, Assistant Professor

**Journal Paper:** Sarmadi, Siavash Bayat, et al. "Dual Basis Super-Serial Multipliers for Secure Applications and Lightweight Cryptographic Architectures." IEEE Transactions on Circuit and Systems (TCAS-II) 61. 2 (2014): 125-129. Web. \*

**Journal Paper:** Kermani, Mehran Mozaffari, et al. "Reliable Concurrent Error Detection Architectures for Extended Euclidean-based Division Over GF(2m) Using Dual Multiple Parity Prediction Schemes." IEEE Transactions on VLSI Systems 22. 5 (2014): 995-1003. Web. \*

**Journal Paper:** Pan, Jay, et al. "Low-Latency Digit-Serial Systolic Double Basis Multiplier over GF(2m) Using Subquadratic Toeplitz Matrix-Vector Product Approach." IEEE Transactions on Computers 63. 5 (2014): 1169-1181. Web. \*

**Journal Paper:** Azarderakhsh, Reza, Kimmo Jarvinen, and Vassil Dimitrov. "Fast Inversion in GF(2m) with Normal Basis Using Hybrid-Double Multipliers." IEEE Transactions on Computers 63. 4 (2014): 1041-1047. Web. \*

**Journal Paper:** Azarderakhsh, Reza, Kimmo Jarvinen, and Mehran Mozaffari Kermani. "Efficient Algorithm and Architecture for Elliptic Curve Cryptography for Extremely Constrained Secure Applications." IEEE Transactions on Circuit and Systems (TCAS-I) 61. 4 (2014): 1144-1155. Web. \*

**Journal Paper:** Azarderakhsh, Reza and Koray Karabina. "A New Double Point Multiplication Algorithm and its Application to Binary Elliptic Curves with Endomorphisms." IEEE Transactions on Computers 63. 10 (2014): 2614-2619. Web. \*

**Journal Paper:** Kermani, Mehran Mozaffari, Kai Tian, and Reza Azarderakhsh. "Fault-Resilient Lightweight Cryptographic Block Ciphers for Secure Embedded Systems." IEEE Embedded Systems 6. 4 (2014): 89-92. Web. \*

**Invited Presentations/Keynotes:** Azarderakhsh, Reza. "Post-Quantum Cryptography in Embedded Systems." Combinatorics and Optimization. University of Waterloo. Waterloo, Ontario. 15 Sep. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Azarderakhsh, Reza. "Recent Advances on the Implementation of Elliptic Curve Cryptography." Department of Computer Science and Engineering, NSA/DHS Designated Center of Excellence in IA Education and Research. University at Buffalo. Buffalo, NY. 20 Nov. 2014. Guest Lecture.

**Journal Editor:** Azarderakhsh, Reza, ed. International Journal on Advances in Security. London: n.p., 2014. Web. \*

#### **Juan Cockburn, Associate Professor**

**Journal Paper:** Macksamie, K., J. Wagner, and J. C. Cockburn. "Feedback Control for Ecosystem Management: The Case of Wolf-elk-hunting Dynamics in the US Mountain West." Journal of Mountain Science. (2014): 850-865. Print. \* «

#### **Amlan Ganguly, Assistant Professor**

**Journal Paper:** Vijayakumaran, Vineeth, et al. "CDMA Enabled Wireless Network-on-Chip." ACM Journal on Emerging Technologies in Computing Systems (JETC) 10. 4 (2014): 28-53. Print.

**Journal Paper:** Wettin, Paul, et al. "Design Space Exploration for Wireless NoCs Incorporating Irregular Network Routing." Computer-Aided Design of Integrated Circuits and Systems, IEEE Transactions on 33. 11 (2014): 1732-1745. Print.

**Published Conference Proceedings:** Shamim, M.S., et al. "Temperature-aware Wireless Network-on-Chip Architecture." Proceedings of the IEEE/ACM International Green Computing Conference (IGCC). Ed. Ali Hurson. Dallas, TX: IEEE/ACM, 2014. Web. «

**Published Conference Proceedings:** Shamim, Md Shahriar, et al. "Energy-efficient Wireless Network-on-chip Architecture with Log-periodic On-chip Antennas." Proceedings of the 24th Edition of the Great Lakes Symposium on VLSI. Ed. Joseph Cavallaro and Tong Zhang. Houston, TX: IEEE, 2014. Web. «

**Published Conference Proceedings:** Shah, Ankit, et al. "Heterogeneous Photonic Network-on-Chip with Dynamic Bandwidth Allocation." Proceedings of the System-on-Chip Conference (SOCC), 2014 27th IEEE International. Ed. Kaijian Shi. Las Vegas, NV: IEEE, 2014. Web. «

#### **Kenneth Hsu, Professor**

**Invited Presentations/Keynotes:** Hsu, Kenneth W. and Sanjana Rakhesha. "eHealth Intelligence System and Cloud Computing." 2014 Taiwan Information Storage Association Annual Conference. Taiwan Information Storage Association. Hsin Chu, Taiwan. 20 Oct. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Hsu, Kenneth W. "C Language Modules for K60 Developed at RIT." Freescale Alliance University Professors Meeting. Freescale Inc, Taiwan and National Taipei University of Science and Technology. Taipei, Taiwan. 24 Oct. 2014. Lecture.

**Invited Presentations/Keynotes:** Hsu, Kenneth W. "Founding of IEEE ASIC Seminar and Exhibit." IEEE Rochester Section Centennial Celebration Ceremony. IEEE Rochester Section. Rochester, New York. 2 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Hsu, Kenneth W. "Biomedical Circuits and Systems Session." International IEEE System-on-Chip Conference 2014. IEEE Circuit and System Society. Las Vegas, Nevada. 2-5 Sep. 2014. Conference Presentation.

#### **Dhiresha Kudithipudi, Associate Professor**

**Journal Paper:** Khedkar, Ganesh, Dhiresha Kudithipudi, and Garrett Rose. "Power Profile Obfuscation using Nanoscale Memristive Devices to Counter DPA Attacks." IEEE Transactions on Nanotechnology 10. 99 (2014): 1-10. Print. «

**Journal Paper:** Merkel, Cory and Dhiresha Kudithipudi. "Temperature Sensing RRAM Architecture for 3-D ICs." IEEE Transactions on VLSI 22. 4 (2014): 878- 887. Print. «



**Published Conference Proceedings:** Saleh, Qutaiba, et al. "Memristive Reservoir Computing Architecture for Epileptic Seizure Detection." Proceedings of the International Conference on BioInspired Cognitive Architectures. Ed. BICA Society. MIT, Boston, MA: Elsevier, Print. « £

**Published Conference Proceedings:** Kudithipudi, Dhireesha, et al. "Memristive Reservoir Computing Architecture for Epileptic Seizure Detection." Proceedings of the Biologically Inspired Cognitive Architectures, MIT, Boston, Nov 7-9 2014. Ed. Unknown. Boston, MA: Procedia Computer Science, 2014. Web. Δ £

**Published Conference Proceedings:** Kudithipudi, Dhireesha, et al. "On Designing Circuit Primitives for Cortical Processors with Memristive Hardware." Proceedings of the IEEE System on Chip Conference, Las Vegas, Sep 2-5, 2014. Ed. Unknown. Piscataway, NJ: IEEE, 2014. Print. « Δ £

**Published Conference Proceedings:** Merkel, Cory and Dhireesha Kudithipudi. "A Stochastic Learning Algorithm for Neuromemristive Systems." Proceedings of the IEEE System on Chip Conference, Las Vegas, Sep 2-5, 2014. Ed. Unknown. Piscataway, NJ: IEEE, 2014. Print. « £

**Published Conference Proceedings:** Merkel, Cory, Dhireesha Kudithipudi, and Ray Ptucha. "Heterogeneous CMOS/Memristor Hardware Neural Networks for Real-time Target Classification." Proceedings of the SPIE, Machine Intelligence and Bio-inspired Computation: Theory and Applications, Maryland, 22 May 2014. Ed. Unknown. Baltimore, MD: SPIE, 2014. Print. « Δ £

**Published Conference Proceedings:** Khedkar, Ganesh, Colin Donahue, and Dhireesha Kudithipudi. "Towards Leakage Resiliency: Memristor-based AES Design for Differential Power Attack Mitigation." Proceedings of the SPIE, Machine Intelligence and Bio-inspired Computation: Theory and Applications, Maryland, 22 May 2014. Ed. Unknown. Baltimore, MD: n.p., 2014. Print. « £

**Invited Presentations/Keynotes:** Kudithipudi, Dhireesha. "Towards Intelligent Computing using Neuromemristive Systems." Neuro Inspired Computing Elements Workshop. Sandia National Labs. Albuquerque, NM. 25 Feb. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Kudithipudi, Dhireesha. "Beyond Von-Neumann Computing." SuperComputing Conference. Supercomputing Conference. New Orleans, LA. 21 Nov. 2014. Address.

**Published Conference Proceedings:** Merkel, Cory and Dhireesha Kudithipudi. "Neuromemristive Extreme Learning Machines for Pattern Classification." Proceedings of the IEEE ISVLSI, Florida. Ed. Unknown. Piscataway, NJ: IEEE, 2014. Print. « £

**Published Conference Proceedings:** Merkel, Cory and Dhireesha Kudithipudi. "On the Role of Cortico-thalamic Feedback in Neuromemristive Vision Systems." Proceedings of the Biologically Inspired Cognitive Architectures, MIT, Boston, Nov 7-9 2014. Ed. Unknown. Boston, MA: Procedia Computer Science, 2014. Print. « Δ £

**Invited Presentations/Keynotes:** Kudithipudi, Dhireesha. "Intelligent Computing using Neuromemristive Systems." IEEE Rebooting Computing. IEEE. Santa Cruz, CA. 14 May 2014. Lecture. £

**Patents:** Merkel, Cory and Dhireesha Kudithipudi. "Thermal Management Device with Thin-Film Memristor arrays and methods thereof." Patent US8750065 B2. 10 Jun. 2014.

**Book Chapter:** G.S.Rose, , et al. "Nanoelectronics and Hardware Security." Advances in Network Science & Cybersecurity. Ed. R. Pino. Heidelberg, Germany: Springer, 2014. 105-123. Print.

**Invited Presentations/Keynotes:** Kudithipudi, Dhireesha. "Cortical Computing using Memristors." C4I Technology Review Days. AFCEA. Verona, NY. 11 Jun. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Kudithipudi, Dhireesha. "Subcortical Computing." IARPA MICRONS. IARPA. DC, Washington. 17 Jun. 2014. Address.

**Journal Editor:** Kudithipudi, Dhireesha, ed. International Journal of Circuits Systems and Computers. USA: Word Scientific, 2014. Print.

#### **Andres Kwasinski, Associate Professor**

**Journal Paper:** Vijayakumaran, V., et al. "CDMA Enabled Wireless Network-on-Chip." ACM Journal of Emerging Technologies in Computing Systems (JETC),. (2014): 1-20. Print.

#### **Sonia Lopez Alarcon, Assistant Professor**

**Journal Paper:** Skalicky, S., S. Lopez, and M. Lukowiak. "Performance Modeling of Pipelined Linear Algebra Architectures on FPGAs." Computers and Electrical Engineering 42. (2014): 13. Print. «

**Published Conference Proceedings:** Mansoor, N., et al. "Heterogeneous Photonic Network-on-Chip with Dynamic Bandwidth Allocation." Proceedings of the System On Chip Conference. Ed. Unknown. Las Vegas, NV: n.p., 2014. Print. «

**Published Conference Proceedings:** Johnstone, B. and S. Lopez. "Satisfying Bandwidth Requirements of GPU Architectures through Adaptive Wavelength Division Multiplexing." Proceedings of the Green Computing Conference. Ed. Unknown. Dallas, TX: n.p., 2014. Print. «

**Published Conference Proceedings:** Skalicky, S., S. Lopez, and M. Lukowiak. "Mission Control: A Performance Metric and Analysis of Control Logic for Pipelined Architectures on FPGAs." Proceedings of the International Conference on ReConFigurable Computing and FPGAs. Ed. Unknown. Cancun, Mexico: n.p., 2014. Print. «

**Published Conference Proceedings:** Skalicky, S., et al. "Enabling FPGA support in Matlab based Heterogeneous Systems." Proceedings of the International Conference on ReConFigurable Computing and FPGAs. Ed. Unknown. Cancun, Mexico: n.p., 2014. Print. «

#### **Marcin Lukowiak, Associate Professor**

**Published Conference Proceedings:** Skalicky, Sam, Sonia Lopez, and Marcin Lukowiak. "Mission Control: A Performance Metric and Analysis of Control Logic for Pipelined Architectures on FPGAs." Proceedings of the ReConFig'2014, 8-10 December 2014, Cancun, Mexico. Ed. Michael Huebner, Mike Wirthlin, and Rene Cumplido. Cancun, Mexico: IEEE Xplore, Web. «

**Published Conference Proceedings:** Skalicky, Sam, Sonia Lopez, and Marcin Lukowiak. "Enabling FPGA support in MATLAB based Heterogeneous Systems." Proceedings of the ReConFig'2014, 8-10 December 2014, Cancun, Mexico. Ed. Michael Huebner, Mike Wirthlin, and Rene Cumplido. Cancun, Mexico: IEEE Xplore, Web. «

**Journal Paper:** Lukowiak, Marcin, et al. "Cybersecurity Education: Bridging the Gap Between Hardware and Software Domains." ACM Transactions on Computing Education (TOCE) 14. 1 (2014): 2:1-2:20. Web. \*

**Journal Paper:** Bajorski, Peter, et al. "Stochastic Analysis and Modeling of a Tree-Based Group Key Distribution Method in Tactical Wireless Networks." Journal of Telecommunications System & Management 3. 2 (2014): 1-8. Web. \*

**Journal Paper:** Skalicky, Sam, Sonia Lopez, and Marcin Lukowiak. "Performance Modeling of Pipelined Linear Algebra Architectures on FPGAs." Performance Modeling of Pipelined Linear Algebra Architectures on FPGAs." Computers & Electrical Engineering 40. 4 (2014): 1015-1027. Web. \*

**Patents:** Bajorski, Peter, et al. "Electronic Key Management Using PKI to Support Group Key Establishment in the Tactical Environment." Patent 8,873,759. 28 Oct. 2014.

### Roy Melton, Senior Lecturer

**Published Conference Proceedings:** Melton, Roy W., Shanchieh Jay Yang, and Adrianna Becker-Gomez. "Engaging Computer Engineering Freshmen Through a Voluntary Competitive Team Project with Mentoring." Proceedings of the 121st ASEE Annual Conference and Exposition: 360 Degrees of Engineering Education, June 15-18, 2014, Indianapolis, IN, USA. Ed. ASEE. Washington, DC: American Society for Engineering Education, 2014. Web. «

### Raymond W Ptucha, Assistant Professor

**Published Conference Proceedings:** Savakis, A., R. Rudra, and R. Ptucha. "Gesture Control Using Active Difference Signatures and Sparse Learning." Proceedings of the International Conference on Pattern Recognition. Ed. . Stockholm, Sweden: n.p., 2014. Print. «

**Published Conference Proceedings:** Ptucha, R., et al. "Automatic Image Assessment from Facial Attributes." Proceedings of the Electronic Imaging: Computational Imaging. Ed. SPIE. San Francisco, CA: n.p., 2014. Print. \*

**Published Conference Proceedings:** Merkel, C., D. Kudithipudi, and R. Ptucha. "Heterogeneous CMOS/Memristor Neural Networks for Real-time Target Classification." Proceedings of the SPIE Machine Intelligence and Bio-inspired Computation. Ed. SPIE. Washington, DC: n.p., 2014. Print. \*

**Journal Paper:** Ptucha, R. and A. Savakis. "LGE-KSVD: Robust Sparse Representation Classification." IEEE Transactions on Image Processing 23. 4 (2014): 14. Print. «

**Invited Presentations/Keynotes:** Ptucha, R. "Machine Learning with Deep Belief Networks." Western New York Image and Signal Processing Workshop. IEEE. Rochester, NY. 7 Nov. 2014. Lecture.

**Invited Presentations/Keynotes:** Ptucha, R. "Machine Learning for Intelligent Behavior." IEEE Rochester Section Joint Chapters Meeting. IEEE. Rochester, NY. 7 Apr. 2014. Keynote Speech.

### Andreas Savakis, Professor

**Journal Paper:** Ptucha, R. W. and A. Savakis. "LGE-KSVD: Robust Sparse Representation Classification." IEEE Transactions on Image Processing 4. (2014): 1737-1750. Print. \*

**Book Chapter:** Ptucha, R. W. and A. Savakis. "Facial Expression Recognition." IGI Global Encyclopedia of Information Science and Technology. Hershey, PA: IGI Global, 2014. 536-547. Print. \*

**Published Conference Proceedings:** Savakis, A., R. Sharma, and M. Kumar. "Efficient Eye Detection using HOG-PCA Descriptor." Proceedings of the IS&T/SPIE Electronic Imaging, Imaging and Multimedia Analytics in a Web and Mobile World. Ed. Q. Lin, J. P. Allebach, and Z. Fan. San Francisco, CA: SPIE, 2014. Print. \*

**Published Conference Proceedings:** Johnson, M. and A. Savakis. "Fast L1-Eigenfaces for Robust Face Recognition." Proceedings of the IEEE Western NY Image and Signal Processing Workshop. Ed. IEEE. Rochester, NY: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Bacharidis, K., et al. "River Flow Estimation using Video Data." Proceedings of the IEEE International Conference on Imaging Systems and Techniques. Ed. IEEE. Santorini, Greece: n.p., 2014. Print. \*

**Published Conference Proceedings:** Moirogiorgou, K., et al. "Statistical Estimation of Fluid Flow." Proceedings of the International Symposium Visual Computing (ISVC). Ed. G. Bebis. Las Vegas, NV: n.p., 2014. Print. \*

**Published Conference Proceedings:** Minnehan, B., H. Spang, and A. Savakis. "Robust and Efficient Tracker using Dictionary of Binary Descriptors and Locality Constraints." Proceedings of the International Symposium Visual Computing (ISVC). Ed. G. Bebis. Las Vegas, Nevada: n.p., 2014. Print. \*

**Published Conference Proceedings:** Savakis, A., R. Rudra, and R. W. Ptucha. "Gesture Control Using Active Difference Signatures and Sparse Learning." Proceedings of the International Conference Pattern Recognition (ICPR). Ed. IAPR. Stockholm, Sweden: n.p., 2014. Print. \*

### **Shanchieh Yang, Associate Professor**

**Book Chapter:** Yang, Shanchieh Jay, et al. "Attack Projection for Predictive Cyber Situation Awareness." Cyber Defense and Situational Awareness Advances in Information Security Volume 62. Ed. Alexander Kott, Cliff Wang, and Robert F. Erbacher. Unknown, Switzerland: Springer, 2014. 239-261. Print. £

**Book Chapter:** Holsopple, Jared, Shanchieh Jay Yang, and Moises Sudit. "Top-down Driven Cyber Impact Assessment." Cyber Defense and Situational Awareness Advances in Information Security Volume 62. Ed. Alexander Kott, Cliff Wang, and Robert F. Erbacher. Unknown, Switzerland: Springer, 2014. 219-238. Print. £

**Published Conference Proceedings:** Cui, Biru, Shanchieh Jay Yang, and Chris Homan. "Non-independent Cascade Formation: Temporal and Spatial Effects (Short Paper)." Proceedings of the ACM International Conference on Information and Knowledge Management (CIKM'14). Ed. Unknown. Shanghai, China: ACM, 2014. Print. «

**Published Conference Proceedings:** Cui, Biru and Shanchieh Jay Yang. "NRE: Suppress Selective Forwarding Attacks in Wireless Sensor Networks." Proceedings of the IEEE Conference on Communications and Network Security (CNS'14). Ed. Unknown. San Francisco, CA: IEEE, 2014. Print.

**Published Conference Proceedings:** Moskal, Steven, et al. "Context Model Fusion for Multi-stage Network Attack Simulation." Proceedings of the IEEE Military Communications Conference (MILCOM'14). Ed. Unknown. Baltimore, MD: IEEE, 2014. Print.

**Published Conference Proceedings:** Du, Haitao and Shanchieh Jay Yang. "Probabilistic Inference for Obfuscated Network Attack Sequences." Proceedings of the 44th Annual IEEE/IFIP International Conference on Dependable Systems and Networks (DSN'14). Ed. Unknown. Atlanta, GA: IEEE, 2014. Print. «

**Published Conference Proceedings:** Strapp, Steven and Shanchieh Jay Yang. "Segmenting Large-scale Cyber Attacks for Online Behavior Model Generation." Proceedings of the 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP14). Ed. William G. Kennedy, Nitin Agarwal, and Shanchieh Jay Yang. Washington, DC: Springer, 2014. Print.

**Published Conference Proceedings:** Cui, Biru and Shanchieh Jay Yang. "Who Will Follow a New Topic Tomorrow?" Proceedings of the 2014 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP14). Ed. William G. Kennedy, Nitin Agarwal, and Shanchieh Jay Yang. Washington, DC: Springer, 2014. Print.

### *Electrical and Microelectrical Engineering*

### **David Borkholder, Associate Professor**

**Journal Paper:** Lillie, J.S., et al. "Pulse Wave Velocity Prediction and Compliance Assessment in Elastic Arterial Segments." Cardiovascular Engineering and Technology 6. 1 (2014): 49-58. Print. «

**Journal Paper:** Kelly, Matthew, et al. "The Focal Index as a Singular Metric for Beamforming Effectiveness." Journal of the Acoustical Society of America 136. 5 (2014): 2654-2664. Web. «

**Journal Paper:** Liberson, A., J. S. Lillie, and David A. Borkholder. "Numerical Solution for the Boussinesq Type Models with Application to Arterial Flow." Journal of Fluid Flow, Heat, and Mass Transfer 1. 1 (2014): 9-15. Print. «

**Journal Paper:** Haghpanahi, Masoumeh and David A. Borkholder. "Fetal QRS Extraction from Abdominal Recordings via Model-based Signal Processing and Intelligent Signal Merging." *Physiological Measurement* 35. 8 (2014): 1591-1605. Print. «

**Published Conference Proceedings:** Haghpanahi, Masoumeh and David A. Borkholder. "Scoring Consensus of Multiple ECG Annotators by Optimal Sequence Alignment." *Proceedings of the 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBC'14 Chicago*. Ed. Unknown. Chicago, IL: IEEE, 2014. Print. «

#### **Sohail Dianat, Professor**

**Journal Paper:** Peng, Honghong, Sohail Dianat, and Raghuvveer Rao. "Multispectral Image Denoising with Optimized Vector Bilateral Filter." *IEEE Transactions on Image Processing* 23. 1 (2014): 267-273. Print.

#### **Mark A Hopkins, Professor**

**Published Conference Proceedings:** Hopkins, Mark A. and Alexander M. Kibbe. "Open-source Hardware in Controls Education." *Proceedings of the 121st ASEE Annual Conference and Exposition*. Ed. Carlotta Berry. Indianapolis, IN: American Society for Engineering Education (ASEE), 2014. Print. «

**Journal Paper:** Hopkins, Mark A and Alexander M Kibbe. "Open-Source Hardware in Controls Education." *ASEE Computers in Education Journal* 5. 4 (2014): 62-70. Print. «

#### **Santosh Kurinec, Professor**

**Invited Presentations/Keynotes:** Kurinec, Santosh K. "Industry/University Cooperative Research: Silicon Solar Consortium." 20th Biennial University/Government/Industry/Micro-Nano Symposium (UGIM), Harvard University. Cambridge, MA, MA. 16 Jun. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Kurinec, Santosh K. "SiSoC Overview." SiSoC Semi-Annual Review Meeting. Georgia Tech. Atlanta, GA. 15 Sep. 2014. Keynote Speech. Δ

#### **Sildomar T Monteiro, Assistant Professor**

**Journal Paper:** Murphy, Richard J., Sven Schneider, and Sildomar T Monteiro. "Consistency of Measurements of Wavelength Position From Hyperspectral Imagery: Use of the Ferric Iron Crystal Field Absorption at 900 nm as an Indicator of Mineralogy." *IEEE Transactions on Geoscience and Remote Sensing* 52. 5 (2014): 2843-2857. Print. \* £

**Journal Paper:** Murphy, Richard J, Sven Schneider, and Sildomar T Monteiro. "Mapping Layers of Clay in a Vertical Geological Surface Using Hyperspectral Imagery: Variability in Parameters of SWIR Absorption Features under Different Conditions of Illumination." *Remote Sensing* 6. 9 (2014): 9104-9129. Print. \* £

#### **Mehran Mozaffari Kermani, Assistant Professor**

**Journal Paper:** Bayat-Sarmadi, S., M. Mozaffari Kermani, and R. Azarderakhsh. "Dual Basis Super-Serial Multipliers for Secure Applications and Lightweight Cryptographic Architectures." *IEEE Transactions on Circuits and Systems II: Express Briefs*. (2014): 125-129. Web. £

**Journal Paper:** Azarderakhsh, R., K. U. Jarvinen, and M. Mozaffari Kermani. "Efficient Algorithm and Architecture for Elliptic Curve Cryptography for Extremely Constrained Secure Applications." *IEEE Transactions on Circuits and Systems I: Regular Papers*. (2014): 1144-1155. Web. £

**Journal Paper:** Kermani, M. Mozaffari, et al. "Reliable Concurrent Error Detection Architectures for Extended Euclidean-based Division over  $GF(2^m)$ ." *IEEE Very Large Scale Integration (VLSI) Systems*. (2014): 995-1003. Web. £



**Journal Paper:** Pan, J., R. Azarderakhsh, and M. Mozaffari Kermani. "Low latency digit-serial systolic double basis multiplier over  $GF(2^m)$  using subquadratic Toeplitz Matrix-Vector product approach." *IEEE Trans. Comput.* (2014): 1169-1181. Web. £

**Journal Paper:** Bayat-Sarmadi, S., M. Mozaffari Kermani, and A. Reyhani-Masoleh. "Efficient and Concurrent Reliable Realization of the Secure Cryptographic SHA-3 Algorithm." *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*. (2014): 1105-1109. Web. £

**Journal Paper:** Kermani, M. Mozaffari, et al. "Fault-resilient Lightweight Cryptographic Block Ciphers for Secure Embedded Systems." *IEEE Embedded Systems*. (2014): 89-92. Web. £

**Journal Editor:** Kermani, Mehran Mozaffari, ed. *IEEE Transaction on Emerging Topics in Computing*. Boston, MA: n.p., 2014. Web. £

**Journal Editor:** Kermani, Mehran Mozaffari, ed. *IEEE TETC-SI Emerging Deeply-embedded Security*. Boston: n.p., 2014. Web. £

**Invited Presentations/Keynotes:** Kermani, Mehran Mozaffari. "Reliable and Efficient Cryptographic Hardware and Embedded Systems." Designated Center of Excellence in IA Education and Research (CAE & CAE-R). University at Buffalo. Buffalo, NY. 14 Nov. 2014. Keynote Speech.

**Shows/Exhibits/Installations:** Kermani, Mehran Mozaffari. Composite-field Based Reliable and Secure Cryptographic Architectures for Extremely-Constrained Environments. 20 Nov. 2014. Boot Camp Rochester, Rochester. Exhibit.

**Journal Paper:** Kermani, M. Mozaffari. "Systolic Gaussian Normal Basis Multiplier Architectures Suitable for High-performance Applications." *IEEE Very Large Scale Integration (VLSI) Systems*. (2014): 1-10. Web. £

**Journal Paper:** Kermani, M. Mozaffari. "Systematic Poisoning Attacks on and Defenses for Machine Learning in Healthcare." *IEEE Transactions on Information Technology in Biomedicine*. (2014): 1-14. Web. Δ

**Published Conference Proceedings:** Kermani, M. Mozaffari and R. Azarderakhsh. "Integrating Emerging Cryptographic Engineering Research and Security Education." *Proceedings of the ASEE*. Ed. ASEE Conferences Team. Seattle, Washington: n.p., 2014. Web. £

**Invited Presentations/Keynotes:** Kermani, Mehran Mozaffari. "Advanced Encryption Standard." Rianta Corp. presentation. Rianta Corp. Ottawa, Ontario. 6 Jun. 2014. Guest Lecture.

**Journal Paper:** Kermani, M. Mozaffari, R. Azarderakhsh, and A. Aghaie. "Reliable and Error Detection Architectures of Pomaranch for False-alarm-sensitive Cryptographic Applications." *IEEE Very Large Scale Integration (VLSI) Systems*. (2014): 1-9. Web. \* £

**Journal Paper:** Kermani, M. Mozaffari, R. Azarderakhsh, and K. U. Jarvinen. "Secure and Efficient Architectures for Single Exponentiation in Finite Field Suitable for High-Performance Cryptographic Applications." *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*. (2014): 1-7. Web. \* £

**Journal Paper:** Kermani, M. Mozaffari, N. Manoharan, and R. Azarderakhsh. "Reliable Radix-4 Complex Division for Fault-Sensitive Applications." *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*. (2014): 1-12. Web. £

**Invited Presentations/Keynotes:** Kermani, Mehran Mozaffari. "Cryptographic Hardware and Embedded Systems." Sharif University. Sharif University. Tehran, Iran. 26 Dec. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Kermani, Mehran Mozaffari. "Fault Detection and Tolerance in Crypto-systems." Sharif University. Sharif University. Tehran, Tehran. 20 Jun. 2014. Keynote Speech.

**Journal Editor:** Kermani, Mehran Mozaffari, et al, ed. IEEE/ACM Transactions on Computational Biology and Bioinformatics. Los Alamitos, CA: IEEE, 2014. Web. \* £

**Published Conference Proceedings:** Kennedy, Christopher and Mehran Mozaffari Kermani. "Generalized Parallel CRC Computation on FPGA." Proceedings of the CCECE. Ed. Unknown. Halifax, NB: CCECE, Web. \*

**Journal Editor:** Kermani, Mehran Mozaffari, ed. ACM Transactions on Embedded Computing Systems. Atlanta: ACM, 2014. Web.

#### **Dorin Patru, Associate Professor**

**Published Conference Proceedings:** Mazza, James, et al. "A Comparison of Hardware/Software Techniques in the Speedup of Color Image Processing Algorithms." Proceedings of the IEEE Western NY Image Processing Workshop. Ed. IEEE. Rochester, NY: IEEE, 2014. Web. \*

**Published Conference Proceedings:** Whitesell, Jamison, et al. "Design for Implementation of Color Image Processing Algorithms." Proceedings of the SPIE 2014. Ed. SPIE. San Francisco, CA: SPIE, 2014. Print. \*

#### **Ferat Sahin, Professor**

**Journal Paper:** Sahin, Ferat and Girish Chandrashekar. "A Survey on Feature Selection Methods." Computers & Electrical Engineering 40. 1 (2014): 16-28. Print. £ ≠

**Journal Paper:** Sahin, Ugur, Selman Uguz, and Ferat Sahin. "Salt and Pepper Noise Filtering with Fuzzy-cellular Automata." Computers & Electrical Engineering 40. 1 (2014): 59-69. Print. £

**Journal Paper:** Sahin, Ferat and Eduardo Cabal-Yepez. "Introduction to Special Issue on Image and Video Processing." Computers & Electrical Engineering 40. 3 (2014): 755-756. Print. Δ

**Journal Paper:** Sahin, Ferat and Eduardo Cabal-Yepez. "Special Issue on Image and Video Processing." Computers & Electrical Engineering 40. 8 (2014): 1-2. Print. Δ

**Published Conference Proceedings:** Cinar, Eyup and Ferat Sahin. "New Approach for Nanoindentation Using Multiprobe AFM System." Proceedings of the 14th IEEE International Conference on Nanotechnology (IEEE-NANO). Ed. IEEE. Toronto, Canada: IEEE, 2014. Print. £

**Published Conference Proceedings:** Phillips, Andrew and Ferat Sahin. "A Comparison of Chatter Attenuation Techniques Applied to a Twin Rotor Systems." Proceedings of the 2014 IEEE Systems, Man, and Cybernetics Conference. Ed. IEEE. San Diego, California: IEEE, 2014. Print. £

**Published Conference Proceedings:** Bowen, Ryan, et al. "Embedded One-class Classification on RF Generator Using Mixture of Gaussians." Proceedings of the 2014 IEEE Systems, Man, and Cybernetics Conference. Ed. IEEE. San Diego, California: IEEE, 2014. Print. £ ≠

**Published Conference Proceedings:** Phillips, Andrew and Ferat Sahin. "Optimal Control of a Twin Rotor MIMO System Using LQR with Integral Action." Proceedings of the World Automation Congress (WAC), 2014. Ed. IEEE. Waikoloa, Hawaii: IEEE, 2014. Print. £

**Invited Presentations/Keynotes:** Sahin, Ferat. "A Novel Approach to Nanoindentation using Multiprobe AFM System." NanoPhotonics/MultiProbe Workshop. Nanonics Inc. Boston, MA. 22 Jul. 2014. Keynote Speech. Δ

### Lamia X Tchoketch-Kebir

#### Published Conference Proceedings:

Tchoketch-Kebir, Lamia and Boutheina Tlili. "Dual Band MIMO Microstrip Monopole Antenna with Enhanced Bandwidth for LTE Applications." Proceedings of the 2014 Loughborough Antennas and Propagation Conference (LAPC). Ed. IEEE. Loughborough, UK: IEEE Conference Publications, 2014. Print. \*

### Boutheina K Tlili

**Published Conference Proceedings:** Tlili, Boutheina, Lamia Tchoketch-Kebir, and Hadeef Al Shamsi. "Dual Band MIMO Microstrip Monopole Antenna with Enhanced Bandwidth for LTE Applications." Proceedings of the LAPC 2014. Ed. Unknown. Loughborough, UK: IEEE, Web. \*

### Gill Tsouri, Associate Professor

**Journal Paper:** Tsouri, Gill R and Michael Ostertag. "Patient-Specific 12-lead ECG Reconstruction from Sparse Electrodes using Independent Component Analysis." IEEE Journal of Biomedical and Health Informatics 18. 2 (2014): 476-482. Print. \*

**Journal Paper:** Tsouri, Gill R and Ory Maimon. "Respiration Rate Estimation from Channel State Information in Wireless Body Area Networks." IET Electronics Letters 50. 10 (2014): 732-733. Print. \*

**Invited Article/Publication:** Tsouri, Gill R. "Wireless Body Area Network." The Rochester Engineer. (2014). Print. Δ

**Published Conference Proceedings:** Torbit, Chris, et al. "Investigation of Waveguide Effects in Intra-Vehicular Environments." Proceedings of the IEEE Antennas and Propagation Society International Symposium (APSURSI). Ed. IEEE. Memphis, TN: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Shamin, M. S., et al. "Temperature-aware Wireless Network-on-Chip Architecture." Proceedings of the IEEE International Green Computing Conference (IGCC). Ed. IEEE. Dallas, TX: IEEE, 2014. Print. \*

**Patents:** Tsouri, Gill R and Sohail Dianat. "Method and System for Contactless Detection of Cardiac Activity." Patent US 20140276118 A1. 18 Sep. 2014.

### Jayanti Venkataraman, Professor

**Published Conference Proceedings:** Venkataraman, Jayanti, Christopher Torbitt, and Zhaolin Lu. "Beam shaping and Gain Enhancement using DOE Lens." Proceedings of the IEEE Antennas and Propagation International Conference, Memphis, TN, July 7-11, 2014. Ed. Unknown. Memphis, TN: IEEE, 2014. Print.

**Published Conference Proceedings:** Venkataraman, Jayanti, et al. "Investigation of Waveguide Effects in Intra-vehicular Environments." Proceedings of the IEEE Antenna and Propagation Society International Symposium, Memphis, July 7-11, 2014. Ed. Unknown. Memphis, TN: IEEE, 2014. Print.

**Published Conference Proceedings:** Venkataraman, Jayanti, Matthew Sidley, and Anoop Adhayapak. "Analytical Model for Real Time, Non-invasive Estimation of Blood Glucose Level." Proceedings of the 36th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Chicago, August 25-29, 2014. Ed. Unknown. Chicago, IL: IEEE, 2014. Print. \*

**Published Conference Proceedings:** Venkataraman, Jayanti and D.V. Giri. "Therapeutic and Diagnostic Uses of Electromagnetic Energy." Proceedings of the AMEREM 2014, Electromagnetics Conference, Albuquerque, July 27-31, 2014. Ed. AMEREM. Albuquerque, NM: n.p., 2014. Print.

### *Industrial and Systems Engineering*

### Denis Cormier, Professor

**Invited Presentations/Keynotes:** Cormier, Denis. "3D Printing and the Future of Advanced Manufacturing." Rochester ASME Student Night. ASME. Rochester, NY. 20 Feb. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Cormier, Denis. "Multi-Material 3D Printing." Additive Disruption Summit. Infocast. San Francisco, CA. 24 Mar. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Cormier, Denis. "Metal + Polymer Multi-Material Additive Manufacturing." RAPID. Society of Manufacturing Engineers. Detroit, MI. 11 Jun. 2014. Conference Presentation.

**Published Conference Proceedings:** Mudgal, T., et al. "Crystallization of Amorphous Silicon and Dopant Activation using Xenon Flash-Lamp Annealing (FLA)." Proceedings of the MRS Proceedings, Volume 1666. Ed. P. Stradins, et al. San Francisco, CA: Cambridge University Press, 2014. Web.

#### **Marcos Esterman, Associate Professor**

**Journal Paper:** Arciniegas, Alvaro J. Rojas and Marcos Esterman. "Exploring Surface Defects on EP-based 3D Printed Structures." Journal of Imaging Science and Technology 58. 2 (2014): 1-12. Print. £

#### **Scott Grasman, Professor**

**Journal Paper:** S.E., Grasman, J. Faulin, and F. Lera-Lopez. "Integrating Environmental Outcomes into Transport Public-Private Partnerships." International Journal of Sustainable Transportation 8. 6 (2014): 399-422. Print. «

**Journal Paper:** Juan, A.A., et al. "A Hybrid Algorithm for the Single-Period Stochastic Inventory Routing Problem with Stock-outs." Simulation Modelling Practice and Theory 46. (2014): 40-52. Print. «

**Published Conference Proceedings:** Cabrera, G., et al. "Combining Biased Random Sampling with Metaheuristics for the Facility Location Problem in Distributed Computer Systems." Proceedings of the Winter Simulation Conference. Ed. A. Tolk, et al. Savannah, GA: WSC, 2014. Print. «

**Invited Presentations/Keynotes:** Grasman, S.E. "Workforce Planning with Learning and Forgetting." Internationalization 2014. La Caixa. Barcelona, Spain. 7 Nov. 2014. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Grasman, S.E. and A. Chacosky. "Effects of Work Structure on Worker Allocation Models with Learning and Forgetting." INFORMS National Meeting. INFORMS. San Francisco, CA. 10 Nov. 2014. Conference Presentation. Δ

#### **Michael Kuhl, Professor**

**Published Conference Proceedings:** Yanikara, Fatma (Selin), Michael E. Kuhl, and Brian K. Thorn. "Comparing Reverse Logistics Network Configurations Using Simulation." Proceedings of the Industrial and Systems Engineering Research Conference (ISERC), May 31-June 3, 2014, Montreal, Canada. Ed. Y. Guan and H. Liao. Norcross, GA: Institute of Industrial Engineers, 2014. Web. \*

**Published Conference Proceedings:** Perez-Graciano, Maribel K. and Michael E. Kuhl. "Simulation-Based Optimization Approach for Stochastic Resource Constrained Project Management." Proceedings of the Industrial and Systems Engineering Research Conference (ISERC), May 31-June 3, 2014, Montreal, Canada. Ed. Y. Guan and H. Liao. Norcross, GA: Institute of Industrial Engineers, 2014. Web. \*

**Published Conference Proceedings:** Moskal, Stephen, et al. "Context Model Fusion for Multi-stage Network Attack Simulation." Proceedings of the Military Communications Conference (MILCOM), October 6-8, 2014, Baltimore, MD. Ed. Lisa O'Conner. Danvers, MA: Institute for Electrical and Electronics Engineers (IEEE), Inc., 2014. Web. \*

**Published Conference Proceedings:** Kuhl, Michael E. and Maribel K. Perez-Graciano. "Project Planning and Predictive Earned Value Analysis via Simulation." Proceedings of the 2014 Winter Simulation Conference (WSC), December 7-10, 2014, Savannah, GA. Ed. A. Tolk, et al. Piscataway, NJ: Institute for Electrical and Electronics Engineers (IEEE), Inc., 2014. Web. \*

**Published Conference Proceedings:** Stiram, Srinath, et al. "A Novel Work-Sharing Protocol for U-Shaped Assembly Lines." Proceedings of the 2014 Winter Simulation Conference (WSC), December 7-10, 2014, Savannah, GA. Ed. A. Tolk, et al. Piscataway, NJ: Institute for Electrical and Electronics Engineers (IEEE), Inc., 2014. Web. \*

**Invited Presentations/Keynotes:** Kuhl, Michael E. and Clayton Tontarski. "Modeling and Analysis of OR Nurse Scheduling using Mathematical Programming and Simulation." Industrial and Systems Engineering Research Conference (ISERC). Institute of Industrial Engineers. Montreal, Canada. 1 Jun. 2014. Conference Presentation.

#### **Matthew Marshall, Associate Professor**

**Published Conference Proceedings:** Carrano, Andres L., Wendy A. Dannels, and Matthew M. Marshall. "Integration of Experiential Learning to Develop Problem Solving Skills in Deaf and Hard of Hearing STEM Students." Proceedings of the 121st ASEE Annual Conference and Exposition. Ed. American Society of Engineering Education. Indianapolis, IN: n.p., 2014. Web. «

**Invited Presentations/Keynotes:** Marshall, Matthew M. "Integration of Experiential Learning to Develop Problem Solving Skills in Deaf and Hard of Hearing STEM Students." Faculty Seminar. Gallaudet University. Washington, DC. 13 Nov. 2014. Lecture.

#### **Ruben Proano, Assistant Professor**

**Published Conference Proceedings:** Bullard, Joseph, et al. "Inference from Structured and Unstructured Electronic Medical Data for Early Dementia Detection." Proceedings of the INFORMS Computing Society Conference. Ed. Brian Borchers, J. Paul Brooks, and Laura McLay. Richmond, VA: n.p., 2014. Print. «

**Invited Presentations/Keynotes:** Proano, Ruben A. "Mitigating the Impact of Applying Isolation Requirements in Hospital Bed Assignments." Healthcare Seminar Series. Center for Healthcare Engineering and Patient Safety, University of Michigan. Ann Arbor, MI. 8 Sep. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Proano, Ruben A. "Mining EHRs to Detect Early Markers of Dementia." GRECC Workshop. Veterans Affairs System, University of Rochester. Rochester, NY. 6 Jan. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Proano, Ruben A. "Vaccine Prioritization : A Multi-attribute Group Decision Making Problem with Heterogeneous Information." Industrial and Systems Engineering Annual Conference and Expo. IIE. Montreal, Canada. 30 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Proano, Ruben A. "Opportunities for OR/MS in Healthcare Payment Reform." INFORMS Annual Meeting. Institute of Operations Research. San Francisco, CA. 9 Nov. 2014. Conference Presentation. Δ

#### **Rachel T Silvestrini, Associate Professor**

**Journal Paper:** Muratore, Mark, Rachel T Silvestrini, and Timothy H Chung. "Simulation Analysis of UAV and Ground Teams for Surveillance and Interdiction." Journal of Defense Modeling and Simulation 11. 2 (2014): 125-136. Print. «

**Journal Paper:** Stone, Brian, et al. "An Expected Cost Methodology for Screening Design Selection." Quality Engineering 26. 2 (2014): 139- 153. Print. «



**Journal Paper:** Chung, Timothy H and Rachel T Silvestrini. "Modeling and Analysis of Exhaustive Probabilistic Search." *Naval Research Logistics* 61. 2 (2014): 164- 178. Print. «

**Brian Thorn, Associate Professor**

**Journal Paper:** Carrano, Andres L., et al. "Characterizing the Carbon Footprint of Wood Pallet Logistics." *Forest Products Journal* 64. (2014): 232-241. Print. £

**Journal Paper:** Carrano, Andres L., et al. "Selection of Pallet Management Strategies Based on Carbon Emissions Impact." *International Journal of Production Economics*. November (2014): forthcoming. Print. £

**Published Conference Proceedings:** Cruz, Pedro, Brian K. Thorn, and Sarah A. Brownell. "A Life-Cycle Comparison of Selected Sanitation Alternatives for Developing Countries." *Proceedings of the Industrial and Systems Engineering Research Conference*, June, Montreal, Canada. Ed. Y. Guan and H. Liao. Montreal, Canada: n.p., 2014. Web. \*

**Published Conference Proceedings:** Gebo, Kevin, Brian K. Thorn, and Steven Hart. "Financial and Environmental Comparison of Military Housing Options for Forward Operating Bases." *Proceedings of the 2014 Industrial and Systems Engineering Research Conference*. Ed. Y. Guan and H. Liao. Montreal, Canada: n.p., 2014. Web. £

**Published Conference Proceedings:** Habbab, Mehad and Brian K. Thorn. "Environmental Comparison of Recycling Phosphorus Through Different Urine-Source Treatments." *Proceedings of the 2014 Industrial and Systems Engineering Research Conference*. Ed. Y. Guan and H. Liao. Montreal, Canada: n.p., Web. £

**Published Conference Proceedings:** Tank, Eric and Brian K. Thorn. "Lifecycle Comparison of Post-Consumer Recycling Collection Systems in Academic Buildings." *Proceedings of the 2014 Industrial and Systems Engineering Research Conference*. Ed. Y. Guan and H. Liao. Montreal, Canada: n.p., Web. £

**Published Conference Proceedings:** Yanikara, Fatma, Michael E. Kuhl, and Brian K. Thorn. "Comparison of Reverse Logistics Network Configurations Using Simulation." *Proceedings of the Industrial and Systems Engineering Research Conference*, June, Montreal, Canada. Ed. Y. Guan and H. Liao. Montreal, Canada: n.p., Web. £

*Mechanical Engineering*

**Wael Abdel Samad**

**Invited Paper:** Lin, S. J., et al. "Hybrid Thermoelastic Stress Analysis." *Experimental Mechanics*. (2014). Web. \*

**Journal Paper:** Samad, W. A. and R. E. Rowlands. "Full-Field Thermoelastic Stress Analysis of a Finite Structure Containing an Irregularly-Shaped Hole." *Experimental Mechanics* 54. 3 (2014): 457-469. Print. \*

**Journal Paper:** Samad, W. A. and R. E. Rowlands. "Hybrid Thermoelastic Stress Analysis of a Pinned Joint." *Experimental Mechanics* 54. 4 (2014): 515-525. Print. \*

**Published Conference Proceedings:** Samad, W. A. and R. E. Rowlands. "Stress Analysis of a Metal-Plate-Connection in a Beam Under 3-Point-Bending Using Digital Image Correlation." *Proceedings of the SEM Annual Conference & Exposition*. Ed. Helena Jin, et al. Lombard, Illinois: Springer International Publishing, 2014. Print. \*

**Published Conference Proceedings:** Samad, W. A. and R. E. Rowlands. "Hybrid Thermoelastic Analysis of an Unsymmetrically-Loaded Structure Containing an Arbitrarily-Shaped Cutout." *Proceedings of the SEM Annual Conference & Exposition*. Ed. Marco Rossi, et al. Lombard, IL: Springer International Publishing, 2014. Print. \*

**Margaret Bailey, Professor**

**Full Length Book:** Moran, Michael J., et al. *Fundamentals of Engineering Thermodynamics*. 8 ed. New York, NY: John Wiley & Sons, Inc., 2014. Print.

**Journal Paper:** Raelin, Joseph A., et al. "The Gendered Effect of Cooperative Education, Contextual Support, and Self-Efficacy on Undergraduate Retention." *Journal of Engineering Education* 103. 4 (2014): 599-624. Print. «

**Invited Article/Publication:** Mason, Sharon, et al. "Institutional Transformation at a Large Private Technical University: Reporting on the Accomplishments of a Combined Data Driven Top-Down and Bottom-Up Approach." *IEEE Frontiers in Education Conference Proceedings*. (2014). Print. «

**Invited Article/Publication:** Muckel, Ryan and Margaret Bailey. "Combining Thermodynamics and Public Policy: Exploring the Benefits of this Alternative Instructional Method." *IEEE Frontiers in Education Conference Proceedings*. (2014). Print. «

**Invited Paper:** Raelin, Joseph A., et al. "The Effect of Cooperative Education, Contextual Support, and Self-Efficacy on Male and Female Student Retention." *ASEE Conference Proceedings*. (2014). Print. «

#### Stephen Boedo, Professor

**Journal Paper:** Demiri, S., S. Boedo, and L.S. Holsen. "Wear Characteristics of Large Aspect Ratio Silicon Microbearing Systems." *Wear* 312. (2014): 58-69. Print. \* £

**Journal Paper:** Boedo, S. and J.F. Booker. "A Novel Elastic Squeeze Film Total Hip Replacement." *ASME Journal of Tribology* 136. (2014): 11101. Print. \* £

**Published Conference Proceedings:** Coots, S.A. and S. Boedo. "Wear Assessment of a Novel Squeeze-Film Artificial Hip Joint." *Proceedings of the 2014 Effective Access Technology Conference, Rochester, NY, June 17-18, 2014*. Ed. RIT. Rochester, NY: n.p., Print. \*

**Invited Presentations/Keynotes:** Coots, S.A. and S. Boedo. "Wear Assessment of a Novel Squeeze-Film Artificial Hip Joint." *2014 Effective Access Technology Conference*. RIT. Rochester, NY. 17 Jun. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Boedo, S. and J.F. Booker. "A Novel Elastic Squeeze Film Total Hip Replacement." *University Technology Showcase, Center for Emerging and Innovative Sciences (CEIS)*. RIT. Rochester, NY. 10 Apr. 2014. Conference Presentation. Δ

#### Steven Day, Associate Professor

**Journal Paper:** Lillie, Jeffrey S., et al. "Pulse Wave Velocity Prediction and Compliance Assessment in Elastic Arterial Segments." *Cardiovascular Engineering and Technology*. (2014): forthcoming. Web. «

**Journal Paper:** Tartakoff, Joseph, Coley Duncan, and Steven W Day. "Component Validation of a High Power Transcutaneous Energy Transfer System." *Journal of Medical Devices- Transactions of the ASME* 8. 2 (2014): 1-2. Print. \*

**Invited Presentations/Keynotes:** Tchantchaleishvili, Vakhtang, Steven Day, and H Todd Massey. "Left Ventricular End-diastolic Pressure-dependent Passive and Active Flow Adjustment Scheme in Continuous-flow Left Ventricular Assist Devices." *60th Annual Meeting of ASAIO*. ASAIO. Washington, DC. 20 Jun. 2014. Conference Presentation.

**Journal Paper:** Varbe, Nicole, et al. "In Vitro Hemodynamic Model of the Arm Arteriovenous Circulation to Study Hemodynamics of Native Arteriovenous Fistula and the Distal Revascularization and Interval Ligation Procedure." *Journal of Vascular Surgery* 59. 5 (2014): 1410-1417. Print. \*

#### Hany Ghoneim, Professor

**Journal Paper:** Chanda, A. and H. Ghoneim. "Pumping Potential of a Two-Layer Left-Ventricle-Like Flexible-Matrix-Composite Structure." *Composite Structures*. (2014) Web. £

**Invited Presentations/Keynotes:** Yin, Z. and H. Ghoneim. "Pumping Potential of a Flexible-Matrix-Composite Structure with Negative Poisson's Ratio." First International Conference on Mechanics of Composites. Stony Brook University. Long Island, New York. 19 Jun. 2014. Conference Presentation. \*

#### **Amitabha Ghosh, Professor**

**Published Conference Proceedings:** M, Schertzer,, et al. "Effect of Office Hour Participation on Student Performance." Proceedings of the International Mechanical Engineering Congress & Exposition. Ed. ASME. Montreal, Quebec, CA: ASME, 2014. Print. £

**Published Conference Proceedings:** Panteleon, Carlos and Amitabha Ghosh. "Applications of Isogeometric Analysis Coupled with Finite Volume Method." Proceedings of the 2014 AIAA Region I Student Conference. Ed. AIAA. Ithaca, NY: AIAA, 2014. Print. £

#### **Mario Gomes, Assistant Professor**

**Journal Paper:** Artusio-Glimpse, A., et al. "Rocking Motion of an Optical Wing: Theory." Applied Optics 53. 31 (2014): 11-19. Print. \*

**Published Conference Proceedings:** Figliotti, Matt and Mario W. Gomes. "A Variable-Inertia Flywheel Model for Regenerative Braking on a Bicycle." Proceedings of the ASME 2014 Dynamics Systems and Controls Conference (DSCC'14). Ed. Jingang Yi. Austin, TX: n.p., Web. \*

**Published Conference Proceedings:** Gosavi, Shriya and Mario W. Gomes. "Power Production for a Small-Scale Experimental Hydrokite System." Proceedings of the International Conference of Control, Dynamic Systems, and Robotics (CDSR'14). Ed. Davide Spinello. Ottawa, Ontario, CA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Douglas, Matt and Mario W. Gomes. "Dynamics of a River Kite Power Production System with a Kinetic Energy Storage Device." Proceedings of the International Conference of Control, Dynamic Systems, and Robotics (CDSR'14). Ed. Davide Spinello. Ottawa, Ontario, CA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Ramesh, Ashwin and Mario W. Gomes. "Power Generation for a Tethered Wing with a Variable Tether Length." Proceedings of the International Conference of Control, Dynamic Systems, and Robotics (CDSR'14). Ed. Davide Spinello. Ottawa, Ontario, CA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Vardhan, Saloni and Mario W. Gomes. "Dynamic Analysis of a Rimless Wheel on Randomly Generated Rough Terrain." Proceedings of the International Conference of Control, Dynamic Systems, and Robotics (CDSR'14). Ed. Davide Spinello. Ottawa, Ontario, CA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Ahlin, Konrad and Mario W. Gomes. "Quantifying Frictional Losses for a 2-Degree-of-Freedom Energy-Efficient Walking Robot." Proceedings of the International Conference of Control, Dynamic Systems, and Robotics (CDSR'14). Ed. Davide Spinello. Ottawa, Ontario, CA: n.p., 2014. Web. \*

#### **Surendra Gupta, Professor**

**Published Conference Proceedings:** Gupta, S. K., et al. "Transfer Student Pipeline to Engineering & Engineering Technology Programs." Proceedings of the 2014 ASEE Annual Conference. Ed. American Society for Engineering Education. Indianapolis, IN: American Society for Engineering Education, 2014. Web. «



**Published Conference Proceedings:** Victoria, Patricia Iglesias, et al. "Microstructural Characterization of Sm-Co Magnets." Proceedings of the 2014 International Mechanical Engineering Congress & Exposition. Ed. The American Society of Mechanical Engineers. Montreal, Canada: The American Society of Mechanical Engineers, 2014. Web. «

#### **Edward C Hensel Jr., Professor**

**Invited Presentations/Keynotes:** Robinson, Risa, et al. "Mechanical Models for Determining Electronic Cigarette Exposure." Electronic Cigarettes and the Public Health: A Public Workshop. US FDA Center for Tobacco Products, Department of Health and Human Services. Washington, DC. 10 Dec. 2014. Lecture. Δ

**Published Conference Proceedings:** Hensel, E.C. and R.J. Robinson. "Direct Assessment of Student Learning Outcomes by Analysis of Performance Evaluation of Student Employees." Proceedings of the Twelfth LACCEI Latin American and Caribbean Conference for Engineering and Technology (LACCEI'2014). Ed. LACCEI. Guayaquil, Ecuador: LACCEI, 2014. Web. \*

**Published Conference Proceedings:** Schertzer, M., et al. "Effect Of Office Hour Participation On Student Performance." Proceedings of the ASME IMECE 2014 Annual Conference and Exposition. Montreal, CA: ASME, 2014. Web. \*

**Published Conference Proceedings:** Robinson, R. J., et al. "Understanding The Causes For Low Student Office Hour Attendance." Proceedings of the ASME IMECE 2014 Annual Conference and Exposition. Montreal, Canada: ASME, 2014. Web. \*

#### **Patricia Iglesias Victoria, Assistant Professor**

**Published Conference Proceedings:** Iglesias, Patricia, et al. "Microstructural Characterization of Sm-Co Magnets." Proceedings of the ASME 2014 International Mechanical Engineering Conference & Exposition IMECE2014. Ed. American Society of Mechanical Engineers. Montreal, Quebec: n.p., Web. \*

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Enhancement of the Thermo-Fluid Measurement Laboratory for Semester Conversion." Proceedings of the 121st ASEE Annual Conference & Exposition. Ed. American Society for Engineering Education. Washington, DC: n.p., Web. \*

**Invited Presentations/Keynotes:** Iglesias, Patricia, et al. "Protic and Aprotic Ionic Liquids." 69th Society of Tribologist and Lubrication Engineers Annual Meeting. STLE. Orlando, Florida. 18 May 2014. Conference Presentation.

**Shows/Exhibits/Installations:** Behm, Tae Oh, Patricia Iglesias, Gary. Designing and Developing an Innovative Smart Cane for People who are Blind and Deaf-Blind. By Tae Oh, Patricia Iglesias, and Gary Behm. 20 Oct. 2014. 16th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS 2014), Rochester. Exhibit.

#### **Satish Kandlikar, Professor**

**Full Length Book:** Kandlikar, S. G., et al. Heat Transfer and Fluid Flow in Minichannels and Microchannels. 2nd ed. Rochester, NY: Elsevier, 2014. Print.

**Full Length Book:** Hayner, C.H., M. E. Steinke, and S.G. Kandlikar. Contemporary Perspectives on Liquid Cold Plate Design: Design and Manufacturing Liquid Cooled Heat Sinks for Electronics Cooling. Rochester, NY: Begell House, 2014. Print.

**Journal Paper:** Banerjee, R and S.G. Kandlikar. "Liquid Water Quantification in the Cathode Side Gas Channels of a Proton Exchange Membrane Fuel Cell Through Two-Phase Flow Visualization." Journal of Power Sources. 247 (2014): 9-19. Print. \*

**Journal Paper:** Banerjee, R and S.G. Kandlikar. "Experimental Investigation of Two-Phase Flow Pressure Drop Transients in Polymer Electrolyte Membrane Fuel Cell Reactant Channels and Their Impact on the Cell Performance." Journal of Power Sources. 268 (2014): 194-203. Print. \*



**Journal Paper:** Bhavnani, S, et al. "Boiling Augmentation with Micro/Nanostructured Surfaces: Current Status and Research Outlook." *Nanoscale and Microscale Thermophysical Engineering*. 18 (2014): 197-222. Print. \*

**Journal Paper:** Gopalan, P and S.G. Kandlikar. "Modeling Dynamic Interaction Between an Emerging Water Droplet and the Sidewall of a Trapezoidal Channel." *Colloids and Surfaces A: Physicochemical and Engineering Aspects*. 441 (2014): 262-275. Print. \*

**Journal Paper:** Gopalan, P and S.G. Kandlikar. "Effect of Channel Materials and Trapezoidal Corner Angles on Emerging Droplet Behavior in Proton Exchange Membrane Fuel Cell Gas Channels." *Journal of Power Sources*. 248 (2014): 230-238. Print. \*

**Journal Paper:** Gopalan, P and S.G. Kandlikar. "Contact Line Characteristics of Liquid-Gas Interfaces Over Grooved Surfaces." *Microfluidics and Nanofluidics* 16. 6 (2014): 999-1008. Print. \*

**Journal Paper:** A, Kalani, and Kandlikar, S. G. "Evaluation of Pressure Drop Performance During Enhanced Flow Boiling in Open Microchannels With Tapered Manifolds." *Journal of Heat Transfer* 136. 5 (2014): 1-7. Print. \*

**Journal Paper:** Kandlikar, S. G. "Review and Projections of Integrated Cooling Systems for Three-Dimensional Integrated Circuits." *Journal of Electronic Packaging* 136. 2 (2014): 1-11. Print. \*

**Journal Paper:** Kandlikar, S. G., et al. "Two-Phase Flow in GDL and Reactant Channels of a Proton Exchange Membrane Fuel Cell." *International Journal of Hydrogen Energy* 39. 12 (2014): 6620-6636. Print. \*

**Journal Paper:** Li, Z, and S.G. Kandlikar. "Current Status and Future Trends in Data Center Cooling Technologies." *Heat Transfer Engineering*. (2014) Print. \*

**Journal Paper:** T.Y., Lin,, et al. "An Experimental Investigation on Friction Characteristics and Heat Transfer of Air and CO<sub>2</sub> Flow in Microtubes With Structured Surface Roughness,." *Heat Transfer Engineering* 35. 2 (2014): 021007-1- 021007-11. Print. \*

**Journal Paper:** Patil, C. M. and S.G. Kandlikar. "Review of the Manufacturing Techniques for Porous Surfaces Used in Enhanced Pool Boiling." *Heat Transfer Engineering* 35. 10 (2014): 887-902. Print. \*

**Journal Paper:** Patil, C. M., K. S. V. Santhanam, and S.G. Kandlikar. "Development of a Two-step Electrodeposition Process for Enhancing Pool Boiling." *International Journal of Heat Mass Transfer*. 79 (2014): 989-1001. Print. \*

**Journal Paper:** Patil, C. M. and S.G. Kandlikar. "Pool Boiling Enhancement through Microporous Coatings Selectively Electrodeposited on Fin Tops of Open Microchannels." *International Journal of Heat Mass Transfer*. 79 (2014): 816-828. Print. \*

**Journal Paper:** Kandlikar, S. G. "Design Considerations for Cooling High Heat Flux IC Chips with Microchannels." *IEEE DESIGN & TEST* 31. 4 (2014): 43-50. Print. \*

**Journal Paper:** R, Banerjee, and Kandlikar, S. G. "Two-phase pressure drop response during load transients in a PEMFC." *Int. J. Hydrog. Energy*. 39(33) (2014): 19079-19086. Print. \*

**Journal Paper:** Banerjee, R, et al. "Experimental Validation of Two-phase Pressure Drop Multiplier as a Diagnostic Tool for Characterizing PEM Fuel Cell Performance." *International Journal of Hydrogen Energy* 39. 31 (2014): 17791-17801. Print. \*

**Journal Paper:** Banerjee, R and S.G. Kandlikar. "Two-phase Pressure Drop Response During Load Transients in a PEMFC." *International Journal of Hydrogen Energy* 39. 33 (2014): 19079-19086. Print. \*

**Journal Paper:** Banerjee, R, et al. "Experimental Validation of Two-phase Pressure Drop Multiplier as a Diagnostic Tool for Characterizing PEM Fuel Cell Performance." *International Journal of Hydrogen Energy* 39. 31 (2014): 17791-17801. Print. \*

**Journal Paper:** Banerjee, R and S.G. Kandlikar. "Experimental Investigation of Two-Phase Pressure Drop Transients in Polymer Electrolyte Membrane Fuel Cell Reactant Channels and Their Impact on the Cell Performance." *Journal of Power Sources* 268. (2014): 194-203. Print. \*

**Invited Article/Publication:** Koz, M and S.G. Kandlikar. "The Effect of Injection and Suction on the Interfacial Mass Transport Resistance in a Proton Exchange Membrane Fuel Cell Air Channel." *Proceedings of the 12th International Conference on Nanochannels, Microchannels, and Minichannels.* (2014). Print. \*

**Invited Article/Publication:** Raghupathi, P, and S. Kandlikar. "Evaporation Momentum Force on a Bubble Under Asymmetric Temperature Condition." *International Mechanical Engineering Conference and Exposition.* (2014). Print. \*

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Microscale Transport- From Electronics Cooling to Fuel Cells." Invited Talk, Graduate Seminar Speaker. Ohio State University. Columbus, OH. 21 Mar. 2014. Keynote Speech. \*

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Transport Phenomenon at Microscale-From Electronics Cooling to Fuel Cells." *Mechanical and Aerospace Graduate Seminar Speaker.* University of Texas. Arlington, TX. 10 Apr. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Advances and Opportunities in Microscale Transport Research." *Tsinghua University. Department of Mechanical Engineering.* Beijing, China. 6 May 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Pool Boiling on Multiscale Surface Features." *International Heat Transfer Symposium. International Heat Transfer Symposium.* Beijing, China. 6 May 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Revival of Pool Boiling for High Heat Flux Dissipation." *IEEE ITherm 2014 Conference. IEEE ITherm 2014 Conference.* Orlando, Florida. 27 May 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Recent Advances in Pool Boiling Heat transfer with Micro- and Nanostructures." *INTEL Corp. INTEL Corp.* Phoenix, AZ. 4 Sep. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Recent Advances in Pool Boiling Heat transfer with Micro- and Nanostructures." *Graduate Seminar Presentation.* Arizona State University. Tempe, Arizona. 5 Sep. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Cooling Options for 3D-IC Cooling." *IEEE Electronics Packaging Symposium.* Binghamton University. Binghamton, New York. 8 Oct. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Hydrogen Economy and Recent Developments in Automotive Fuel Cells." *Hydrogen Properties Research Center.* Kyushu University. Fukuoka, Japan. 23 Oct. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Professor Shoji's Outstanding Contributions and Our Current Understanding of Boiling Phenomena." *Invited Seminar at Boiling Workshop. Phase Change Research Committee of Thermal Engineering Division of JSME.* Tokyo, Japan. 25 Oct. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Kandlikar, S.G. "Microscale Transport- From Fuel Cells to Electronics Cooling." MEM Seminar. Drexel University. Philadelphia, PA. 10 Apr. 2014. Keynote Speech.

**Book Chapter:** Kandlikar, S. G. "Preface." Heat Transfer and Fluid Flow in Minichannels and Microchannels. Rochester, NY: Elsevier, 2014. preface. Print. \*

**Published Conference Proceedings:** Kalani, A and S.G. Kandlikar. "Pressure Drop Analysis Using the Homogeneous Model for Open Microchannel with Manifold (OMM)." Proceedings of the ASME 2014 12th International Conference on Nanochannels, Microchannels and Minichannels. Ed. Unknown. Chicago, IL: n.p., 2014. Print. \*

**Published Conference Proceedings:** Banerjee, R and S.G. Kandlikar. "Two Phase Pressure Drop Characteristics During Low Temperature Transients in PEMFCS." Proceedings of the ASME 2014 12th International Conference on Nanochannels, Microchannels and Minichannels. Ed. Unknown. Chicago, IL: n.p., 2014. Print. \*

#### Jason Kolodziej, Associate Professor

**Published Conference Proceedings:** Rana, Rohit, Karl Q. Schwarz, and Jason R. Kolodziej. "Non-Invasive Fault Detection in an Axial Flow Blood Pump Used as a Ventricle Assistive Device." Proceedings of the ASME Dynamic Systems and Control Conference. Ed. ASME. San Antonio, TX: ASME, 2014. Print. \*

**Journal Paper:** Chirico, Anthony J. III and Jason R. Kolodziej. "Data-Driven Methodology for Fault Detection in Electromechanical Actuators." ASME J. Dyn. Sys., Meas., Control 136. 4 (2014): 1-16. Print. \*

**Journal Paper:** Guerra, Christopher J. and Jason R. Kolodziej. "Data-Driven Approach for Condition Monitoring of Reciprocating Compressor Valves." ASME J. Eng. Gas Turbines Power 136. 4 (2014): 1-13. Print. \*

#### Kathleen Lamkin-Kennard, Associate Professor

**Published Conference Proceedings:** Lamkin-Kennard, Kathleen, et al. "Design of a Wearable Electroactive Polymer Biosensor." Proceedings of the Effective Access Technology Conference, Rochester, NY. Ed. RIT. Rochester, NY: n.p., 2014. Web. £

**Judged National/International Competition Award Winner:** Wrisley, Seaver, et al. ASME Robotics and Mechanisms. Undergraduate Robotic Design Competition 1st Place. Buffalo, NY, 2014. \*

**Invited Presentations/Keynotes:** Lamkin-Kennard, Kathleen. "An Interactive Flipped Classroom Approach for Teaching Biomaterials." Provost Learning and Innovation Grant Showcawse. RIT. Rochester, NY. 19 Nov. 2014. Conference Presentation.

**Published Conference Proceedings:** Green, Jared, Elizabeth Debartolo, and Kathleen Lamkin-Kennard. "Characterization of Gait Patterns in Common Gait Rehabilitation Exercises." Proceedings of the Effective Access Technology Conference, Rochester, NY. Ed. RIT. Rochester, NY: n.p., 2014. Web. £

**Patents:** Sullivan, Christopher, Elizabeth Debartolo, and Kathleen Lamkin-Kennard. "Method and System for Monitoring Terrain and Gait and Predicting Upcoming Terrain." Patent US 20140180173 A1. 26 Jun. 2014.

#### Alexander S Liberson, Lecturer

**Journal Paper:** Lillie, Jeffrey, et al. "Pulse Wave Velocity Prediction and Compliance Assessment in Elastic Arterial Segments." Cardiovascular Engineering and Technology. (2014): 10. Print. \*

**Journal Paper:** Liberson, Alexander S, Jeffrey S Lillie, and David A Borkholder. "Numerical Solution for the Boussinesq Type Models with Applications to Arterial Flow." Journal of Fluid Flow, Heat and Mass Transfer 1. (2014): 9-15. Print. \*

**Published Conference Proceedings:** Liberson, Alexander S and Jeffrey S Lillie. "Shock Capturing Numerical Solution for the Boussinesq Type Models with Application to Arterial Flow." Proceedings of the International Conference on New Trends in Transport Phenomena. Ed. Boguslaw Kruczek. Ottawa, Ontario: n.p., 2014. Web. \* «

#### Risa Robinson, Professor

**Published Conference Proceedings:** Hensel, Edward and Risa Robinson. "Direct Assessment of Student Learning Outcomes by Analysis of Performance Evaluation of Student Employees." Proceedings of the Excellence in Engineering to Enhance a Country's Productivity: Twelfth LACCEI Latin American and Caribbean Conference for Engineering and Technology. Ed. LACCEI. Guayaquil, Ecuador: n.p., 2014. Print. \*

**Published Conference Proceedings:** Hensel, Edward and Risa Robinson. "Direct Assessment of Student Learning Outcomes by Analysis of Performance Evaluation of Student Employees." Proceedings of the Excellence in Engineering to Enhance a Country's Productivity: Twelfth LACCEI Latin American and Caribbean Conference for Engineering and Technology. Ed. LACCEI. Guayaquil, Ecuador: n.p., 2014. Print. \*

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Effect of Office Hour Participation on Student Performance." Proceedings of the ASME 2014 International Mechanical Engineering Conference & Exposition (MECE2014). Ed. ASME. Montreal, Quebec, CANADA: n.p., 2014. Print. \*

**Published Conference Proceedings:** Robinson, Risa, et al. "Understanding the Causes for Low Student Office Hour Attendance." Proceedings of the ASME 2014 International Mechanical Engineering Conference & Exposition (IMECE2014). Ed. ASME. Montreal, Quebec, Canada: n.p., 2014. Print. \*

**Invited Presentations/Keynotes:** Robinson, Risa, et al. "Mechanical Models for Determining Electronic Cigarette Exposure." Electronic Cigarettes and the Public Health: A Public Workshop, US FDA Center for Tobacco Products Department of Health and Human Services. FDA. Washington, DC. 10 Dec. 2014. Conference Presentation. Δ

#### Michael J Schertzer, Assistant Professor

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Characterization of Bead Based Chemical Reactions and Supernatant Dillution in Digital Microfluidic Devices." Proceedings of the 2nd Middle East Conference on Biomedical Engineering. Ed. Reza Tafreshi, Texas A&M University at Qatar. Doha, Qatar, NA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Enhancement of the Engineering Measurements Laboratory for Semester Conversion." Proceedings of the ASEE National Conference 2014. Ed. Mark Matthews. Indianapolis, IN: n.p., 2014. Web. «

**Published Conference Proceedings:** Robinson, Risa, et al. "Understanding The Causes For Low Student Office Hour Attendance." Proceedings of the ASME International Mechanical Engineering Conference and Exposition. Ed. Assimina Pelegri. Montreal, QC: n.p., 2014. Web. \*

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Effect of Office Hour Participation on Student Performance." Proceedings of the ASME International Mechanical Engineering Conference and Exposition. Ed. Assimina Pelegri. Montreal, QC: n.p., 2014. Web. \*

**Published Conference Proceedings:** Blume, Steffen, et al. "Analytical Models to Determine the Electric Field Characteristic of a Multi-Electrode Impedimetric Immunosensor in a Digital Microfluidic Device." Proceedings of the ASME International Mechanical Engineering Conference and Exposition. Ed. Assimina Pelegri. Montreal, QC: n.p., 2014. Web. \*



**Published Conference Proceedings:** Dunning, Peter D., Pierre E. Sullivan, and Michael J. Schertzer. "Method for Characterization of Passive Mechanical Filtration of Particles in Digital Microfluidic Devices." Proceedings of the ASME International Mechanical Engineering Conference and Exposition. Ed. Assimina Pelegri. Montreal, QC: n.p., 2014. Web. \*

**Published Conference Proceedings:** Schertzer, Michael J., et al. "Effect of surface modification on protein deposition in desiccated droplets." Proceedings of the ASME International Mechanical Engineering Conference and Exposition. Ed. Assimina Pelegri. Montreal, QC: n.p., 2014. Web. \*

#### **Michael Schrlau, Assistant Professor**

**Journal Paper:** Golshadi, Masoud, et al. "Effects of Synthesis Parameters on Carbon Nanotubes Manufactured by Template-based Chemical Vapor Deposition." Carbon 80. (2014): 28-39. Print. \*

**Patents:** Bau, Haim H. and Michael G. Schrlau. "Multiplexed Nanoscale Electrochemical Sensor for Multi-analyte Detection." Patent US 8,877,518 B2. 4 Nov. 2014.

#### **Robert J Stevens, Associate Professor**

**Journal Paper:** Stevens, Robert J., Steven J. Weinsteinb, and Karuna S. Koppula. "Theoretical Limits of Thermoelectric Power Generation from Exhaust Gases." Applied Energy 133. 15 (2014): 80-88. Print. \*

**Journal Paper:** Pierce, Reginald D. and Robert J. Stevens. "Experimental Comparison of Thermoelectric Module Characterization Methods." Journal of Electronic Materials. (2014): 1-7. Print. \*

#### **Benjamin Varela, Associate Professor**

**Journal Paper:** Gonzalez, Veleria Adriana, Benjamin Varela, and Voelkel Joseph. "Factors Affecting the Setting Time and Compressive Strength of Alkali Activated Granulated Blast Furnace Slag." International Journal of Innovative Engineering and Technology 3. 10 (2014): 23-28. Web. £

**Journal Paper:** Waldron, Ashley and Benjamin Varela. "Experimental Investigation of Micro-reinforced Alkali-activated Ground Granulated Blast Furnace Slag with Wollastonite." International Journal of Research in Engineering and Technology 3. 13 (2014): 82-88. Web. \*

**Journal Paper:** Pablo, Santizo-Matheu, Ashley Waldron, and Benjamin Varela. "Optimization of Alkali Activation of Ground Granulated Slag with Mining Tails." International Journal of Research in Engineering and Technology 3. 13 (2014): 109-113. Web. \*

**Book Chapter:** Provis, John, et al. "Durability Testing-physical Processes." Alkali Activated Materials: State of the Art report. Ed. John Provis and Jannie van Deventer. New York, NY: Springer, 2014. 277-308. Print. £

**Published Conference Proceedings:** Gonzalez, Valeria, Benjamin Varela, and Joseph Voelkel. "Analysis of Compressive Strength and Setting Time of Alkali Activated Slag Binders." Proceedings of the Non-Traditional Cement and Concrete V. Ed. Vlastimil Bilek and Zbynek Kersner. Brno, Czech Republic: Brno University of Technology, 2014. Print. \*

**Published Conference Proceedings:** Santizo-Matheu, Pablo, Ashley Waldron, and Benjamin Varela. "Optimization of Alkali Activation of Ground Granulated Slag with Mining Tails." Proceedings of the Non-Traditional Cement and Concrete V. Ed. Vlastimil Bilek and Zbynek Kersner. Brno, Czech Republic: Brno University of Technology, 2014. Print. \*

**Published Conference Proceedings:** Waldron, Ashley and Benjamin Varela. "Experimental Investigation of Micro-reinforced Alkali Activated Ground Granulated Blast Furnace Slag with Wollastonite." Proceedings of the Non-Traditional Cement and Concrete V. Ed. Vlastimil Bilek and Zbynek Kersner. Brno, Czech Republic: Brno University of Technology, 2014. Print. \*

### **P Venkataraman, Associate Professor**

**Published Conference Proceedings:** Venkataraman, P. "Continuous Solution of Partial Differential Equations on Non-rectangular and Non-continuous Geometry." Proceedings of the 34th Computers in Engineering. Ed. ASME. Buffalo, NY: ASME, Print. «

#### *Microsystems Engineering*

### **Zhaolin Lu, Associate Professor**

**Journal Paper:** Shi, Kaifeng, et al. "Broadband Electro-optical Modulator Based on Transparent Conducting Oxide." Optics Letters 39. 17 (2014): 4978-4981. Print. \*

**Journal Paper:** Shi, Kaifeng, et al. "Broadband Electro-optical Modulator Based on Transparent Conducting Oxide." Optics Letters 39. 17 (2014): 4978-4981. Print. \*

**Published Conference Proceedings:** Shi, Kaifeng, et al. "Tunable Plasmonic Metamaterial Based on Transparent Conducting Oxide." Proceedings of the SPIE OPTO. Ed. Bernd Witzigmann, et al. San Francisco, CA: International Society for Optics and Photonics, 2014. Web. \*

**Published Conference Proceedings:** Shi, Kaifeng, et al. "Tunable Plasmonic Metamaterial Based on Transparent Conducting Oxide." Proceedings of the SPIE OPTO. Ed. Bernd Witzigmann, et al. San Francisco, CA: International Society for Optics and Photonics, 2014. Web. \*

**Published Conference Proceedings:** Shi, Kaifeng, Wangshi Zhao, and Zhaolin Lu. "Epsilon-near-zero-slot Waveguides and Their Applications in Ultrafast Laser Beam Steering." Proceedings of the SPIE OPTO. Ed. Bernd Witzigmann, et al. San Francisco, CA: International Society for Optics and Photonics, 2014. Web. \*

**Published Conference Proceedings:** Shi, Kaifeng, et al. "Novel Approaches to Enhance Graphene Absorption and Electro-optic Property." Proceedings of the SPIE OPTO. Ed. Bernd Witzigmann, et al. San Francisco, CA: International Society for Optics and Photonics, 2014. Web. \*

**Published Conference Proceedings:** Torbitt, Christopher, Jayanti Venkataraman, and Zhaolin Lu. "Beam Shaping and Gain Enhancement Using a Diffractive Optical Element (DOE) Lens." Proceedings of the Antennas and Propagation Society International Symposium (APSURSI), 2014 IEEE. Ed. Unknown. Memphis, TN: IEEE, 2014. Web. \*

**Published Conference Proceedings:** Wahsheh, Rami A, Zhaolin Lu, and Mustafa Abushagur. "Ultra-Compact Integrated Nanoplasmonic Air-Gap Coupler." Proceedings of the Frontiers in Optics. Ed. Frontiers in Optics. Tucson, AZ: Optical Society of America, 2014. Web. \*

### **Jiandi Wan, Assistant Professor**

**Journal Paper:** Wang, Yixuan Jiang Li, Haosheng Chen, and Jiandi Wan. "Electrowetting on Dielectrics for Manipulating Oil Drops and Gas Bubbles in Aqueous-shell Compound Drops." Lab on Chip 14. (2014): 4334-4337. Web. \* £

**Journal Paper:** Shim, S, et al. "Dissolution Without Disappearing: Multicomponent Gas Exchange for CO<sub>2</sub> Bubbles in a Microfluidic Channel." Lab on Chip 14. (2014): 2428-2436. Web. \* £







## *Academic Affairs*

### **Geoff Poor, Professor**

#### **Published Game, Application or Software:**

Poor, Geoffrey S., Raja Kushalnagar, and Dale Moore. STEM Signs Dictionary Project: Information Technology. Software. DeafTEC. 2014. ≠

### **Kathryn Schmitz, Associate Professor**

**Invited Presentations/Keynotes:** Schmitz, Kathryn, Gerald Berent, and Ronald Kelly. "Deaf Students? Acquisition of Diverse Lexical Properties of English Verbs: New Guidance for English Teaching, Learning, and Assessment." American Association for Applied Linguistics. American Association for Applied Linguistics. Toronto, Canada. 21 Mar. 2015. Conference Presentation. \*

**Invited Presentations/Keynotes:** Schmitz, Kathryn, Gerald Berent, and Ronald Kelly. "Deaf Students? Acquisition of Diverse Lexical Properties of English Verbs: New Guidance for English Teaching, Learning, and Assessment." International Congress on Education of the Deaf. International Congress on Education of the Deaf. Athens, Greece. 6 Jul. 2015. Conference Presentation. \*

**Uninvited Presentations:** Schmitz, Kathryn. "Using Web Conferencing Technology to Foster Inclusive Course Experiences for Deaf Students." 16th International ASSETS Conference Reception and Showcase. Association for Computing Machinery. Rochester, NY. 20 Oct. 2014. Poster Session.

**Uninvited Presentations:** Schmitz, Kathryn and Elissa Weeden. "Using Web Conferencing Technology to Foster Inclusive Course Experiences for Deaf Students." Effective Access Technology Conference. Rochester Institute of Technology. Rochester, NY. 17 Jun. 2014. Poster Session. \*

**Invited Article/Publication:** Weeden, Elissa and Kathryn Schmitz. "Using Web Conferencing Technology to Foster Inclusive Course Experiences for Deaf Students." *Volta Voices*. (2014). Web. Δ

*American Sign Language and Interpreting Education*

### **Kim Kurz, Assistant Professor**

**Invited Presentations/Keynotes:** Kurz, K. "Applying National Standards to American Sign Language Teaching." Utah American Sign Language Teachers Association Conference. Utah American Sign Language Teachers Association. Salt Lake City, UT. 31 Jul. 2014. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Kurz, K. "Children's Comprehension of Direct & Interpreted Education." ASL Program at University of Rochester. ASL Program at University of Rochester. Rochester, NY. 4 Mar. 2014. Guest Lecture.

**Invited Presentations/Keynotes:** Colayori, K., et al. "Perceiving Being Deaf as a Negative Attribute is a Resilience Risk Factor for Deaf College Students." Inter-Science of Learning Centers Conference. Inter-Science of Learning Centers. Pittsburg, PA. 14 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kurz, K., P. Hauser, and J. Listman. "Deaf Professionals Resilience: A Qualitative Study." Waypoints! Deaf Studies Today! Deaf Studies Department at Utah Valley University. Orem, UT. 12 Apr. 2014. Conference Presentation. \*

**Journal Paper:** Kurz, C. and K. Kurz. "Genesis of a College for the Deaf: The National Deaf-Mute College." *Deaf Studies Digital Journal*. 4 (2014): n/a. Web. \*

**Invited Presentations/Keynotes:** Kurz, K. "Deaf Children's Comprehension of Direct & Interpreted Education." 2014-2015 Colloquium Lecture Series. Department of Interpretation and Gallaudet University Regional Educational Center. Washington, DC. 10 Oct. 2014. Lecture. Δ

**Invited Presentations/Keynotes:** Kurz, C. and K.B. Kurz. "Amos G. Draper at Gallaudet: His Legacy as a Student, Professor, Mentor, Friend and Caretaker." 150th Anniversary Symposium. Gallaudet University. Washington, DC. 9 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kurz, C. and K.B. Kurz. "Genesis of a College for the Deaf: High Classes in Schools for the Deaf." Waypoints! Deaf Studies Today! Deaf Studies Department at Utah Valley University. Orem, UT. 11 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kurz, C., A.J. Hlibok, and K.B. Kurz. "A Closer Look of Laurent Clerc's Perceptions of Sign Language." Waypoints! Deaf Studies Today! Deaf Studies Department at Utah Valley University. Orem, UT. 12 Apr. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Hauser, P.C., J.D. Listman, and K.B. Kurz. "Importance of Sign Language and Deaf Acculturation for Deaf Individuals Psychosocial Well Being." Waypoints! Deaf Studies Today! Deaf Studies Department at Utah Valley University. Orem, UT. 11 Apr. 2014. Conference Presentation. \*

**Journal Paper:** Alder, H., et al. "Undergraduate Research in Mathematics with Deaf and Hard-of-hearing Students: Four Perspectives." *Involve* 7. 3 (2014): 247-264. Print. \*

#### Jason D Listman, Assistant Professor

**Invited Presentations/Keynotes:** Boling, Leisa, et al. "The Roots of American Sign Language E-Curriculum." *Our Roots: The Essence of Our Future*. Conference of Interpreter Trainers. Portland, OR. 30 Oct. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Kurz, Kim B., Jason D. Listman, and Peter C. Hauser. "Deaf Professionals Resilience: A Qualitative Study." *Waypoints! Deaf Studies Today!*. Orem, Utah. 14 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Listman, Jason D. "How to be a Deaf Scientist: Navigating STEM Education." *Standpoints! Deaf Studies Today!*. Orem, UT. 12 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Hauser, Peter C., Jason D. Listman, and Kim B. Kurz. "Importance of Sign Language and Deaf Acculturation for Deaf Individuals Psychosocial Well Being." *Standpoints! Deaf Studies Today!* Conference. Orem, UT. 11 Apr. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Colayori, Kailea, et al. "Perceiving Being Deaf as a Negative Attribute is a Resilience Risk Factor for Deaf College Students." *Inter-Science of Learning Centers*. Inter-Science of Learning Centers. Pittsburgh, PA. 6 Mar. 2014. Conference Presentation.

#### Campbell A McDermid, Assistant Professor

**Journal Paper:** McDermid, Campbell. "Cohe-sion in English to ASL Simultaneous Interpreting." *The International Journal for Translating & Interpreting* 6. 1 (2014): 76-101. Web. \*

**Journal Paper:** McDermid, Campbell. "Evidence of a Hearing Dialect of ASL?" *Journal of Interpretation* 23. 1 (2014): 1-25. Web. \*

**Invited Presentations/Keynotes:** McDermid, Campbell and Lynn Finton. "Contextualized Recognition of Fingerspelled Words in ASL." *Our Roots: The Essence of our Future*. Conference of Interpreter Trainers. Portland, OR. 29 Oct. 2014. Address. \*

**Invited Article/Publication:** McDermid, Campbell. "A Pragmatic, Multi-dimensional Model of the Interpreting Process." *Gallaudet University Symposium Selected Papers (Vol. 1)*. (2014). Print. \*




**BONNIE JACOB**, ASSISTANT PROFESSOR IN THE SCIENCE AND MATHEMATICS DEPARTMENT AT NATIONAL TECHNICAL INSTITUTE FOR THE DEAF, RESEARCHES NETWORKS AND THE THEORY OF HOW DIFFERENT PHENOMENA MOVE ALONG THEM.

Graph theory, the investigation of structures that model pairwise relationships among objects, is the subject of Dr. Jacob's research. In particular, Dr. Jacob and her team investigate topics at the interface of graph theory and mathematical fields such as linear algebra. Currently, the team's research, supported by the Center for Undergraduate Research in Mathematics (CURM), focuses on a particular area known as zero forcing, a collection of dynamical systems on graphs or networks that relate to linear algebra and quantum mechanics as well. Conventional research on zero forcing has focused on finding the minimum number of starting locations in a system to spread a phenomenon to the entire system. Dr. Jacob's research team introduced and investigated the novel idea of determining the maximum number of locations at which the phenomenon can be present, yet not spread to the entire network.

In addition, Dr. Jacob researches the area of combinatorial matrix theory together with collaborators at universities across the country. The group researched the zero diagonal minimum rank problem, resulting in a publication this year, and continues to pursue related research.

Involving deaf and hard-of-hearing undergraduate students in mathematics research is a passion of Dr. Jacob's. She has supervised six deaf or hard-of-hearing undergraduate students in research since coming to RIT. This year, Dr. Jacob's students presented their original research on failed zero forcing at two conferences. The team has one article accepted for publication and is currently working on submitting more. Dr. Jacob actively encourages faculty across the United States to involve deaf and hard-of-hearing students in research, including publishing an article with RIT faculty co-authors on how to successfully involve deaf and hard-of-hearing students in research.



**BONNIE JACOB**  
ASSISTANT PROFESSOR  
SCIENCE AND MATHEMATICS  
NATIONAL TECHNICAL INSTITUTE FOR THE DEAF

**Invited Presentations/Keynotes:** McDermid, Campbell. "Creating Cohesion Across Languages." International Symposium on Signed Language Interpretation and Translation Research. Gallaudet University. Washington, DC. 29 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** McDermid, Campbell. "Do Non-native Speakers Have a "Hearing Dialect" While Interpreting?" International Symposium on Signed Language Interpretation and Translation Research. Gallaudet University. Washington, DC. 29 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** McDermid, Campbell. "A Pragmatic Multi-dimensional Model of the Interpreting Process." International Symposium on Signed Language Interpretation and Translation Research. Gallaudet University. Washington, DC. 30 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** McDermid, Campbell and Lynn Finton. "Contextualized Recognition of Fingerspelled Words." International Symposium on Signed Language Interpretation and Translation Research. Gallaudet University. Washington, DC. 30 Mar. 2014. Address. \*

### **Christine Monikowski, Professor**

**Invited Presentations/Keynotes:** Monikowski, Christine. "Requiring A Capstone Paper: How To Make It A Successful Experience." Our Roots: the essence of our future. Conference of Interpreter Trainers. Portland, OR. 30 Oct. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Monikowski, Christine. "Language Myths in an Interpreted Education." ASL/English Interpreting Program. LaGuardia Community College. New York, NY. 10 Jan. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Monikowski, Christine. "Language Myths in an Interpreted Education." Professional Development. Delaware School for the Deaf & Statewide Programs. Wilmington, DE. 12 Apr. 2014. Guest Lecture. Δ

**Invited Presentations/Keynotes:** Monikowski, Christine. "Language Myths in an Interpreted Education." Sign Language Studies Degree. Madonna University. Detroit, MI. 27 Sep. 2014. Guest Lecture. Δ

### **Deirdre Schlehofer, Assistant Professor**

**Invited Presentations/Keynotes:** Schlehofer, Deirdre. "ASL is Beautiful." Rochester Deaf Awareness Week (RDAW). Deaf Rochester Community. Rochester, NY. 14 Sep. 2014. Keynote Speech.

**Invited Presentations/Keynotes:** Schlehofer, Deirdre. "Equivalent and Effective Interpreting Process and Translation of First Language and Second Language." Genesee Valley Region Registry of Interpreters for the Deaf (GVRRID). RID/ACET. Rochester, NY. 18 Oct. 2014. Lecture.

**Uninvited Presentations:** Schlehofer, Deirdre. "Human Rights and Global Health: Deaf Women Overcoming Challenges." Canada Deaf Women's Conference. Canada Deaf Women (CDW). Montreal, Canada. 18 Jul. 2014. Conference Presentation. £

**Grants:** Schlehofer, Deirdre, et al (2014-2016). Health Literacy of Deaf and Hearing Female Students at RIT: A Qualitative Study. Grant received/funded by Scholarship Portfolio Development Initiative (SPDI), NTID.

**Grants:** Schlehofer, Deirdre, et al (2/14-8/14). Effective Mentoring and Leadership Skills for Deaf and Hard of Hearing Women Faculty at NTID/RIT. Grant received/funded by ADVANCERIT Connect Grants, National Science Foundation (NSF) under Award No. HRD-1209115.

### *Art and Imaging Studies*

### **Frank Argento, Associate Professor**

**Shows/Exhibits/Installations:** Argento, Frank. Associate Professor. 1 Jan. 2014. Bausch & Lomb, Global Health Center, Rochester, NY. Exhibit. Δ

### David S Cohn, Associate Professor

**Shows/Exhibits/Installations:** Cohn, David. Associate Professor. n.d. Image City Photography Gallery, Rochester. Exhibit. £

### Paula Grcevic, Professor

**Shows/Exhibits/Installations:** Grcevic, Paula. Spur of the Moment. Jan. 2014. The Sketchbook Project 2014 World Tour, Brooklyn. Exhibit. \*

**Shows/Exhibits/Installations:** Grcevic, Paula. Fiber Arts and Watercolor Paintings. 5 Aug. 2014. Juried Crafts in the Michigan Womyn's Music Festival (5 days), Hart. Exhibit. \*

**Shows/Exhibits/Installations:** Grcevic, Paula. Gliding Ginkgo Biloba. 7 Jul. 2014. Rochester Contemporary Art Center, Rochester. Exhibit.

### Michael J Voelkl, Associate Professor

#### **Judged National/International Competition**

**Award Winner:** Voelkl, Michael J. Applied Arts Photography & Illustration Magazine. 2014 Applied Arts Photography & Illustration Award. Toronto, Ontario, 2014. \* ^

#### *ASLIE- Research*

### Deirdre Schlehofer, Assistant Professor

**Journal Paper:** Schenkel, Lindsay S., et al. "Child Maltreatment and Trauma Exposure Among Deaf and Hard of Hearing Young Adults." *Child Abuse & Neglect* 38. (2014): 1581-1589. Print. \* £

**Uninvited Presentations:** Boling, Leisa, et al. "The Roots of ASL E-Curriculum." Conference of Interpreter Trainers (CIT). CIT. Portland, OR. 30 Oct. 2014. Conference Presentation. £

#### *Business Studies*

### E William Clymer, Associate Professor

**Uninvited Presentations:** Clymer, E. William, Gary Behm, and Christine Monikowski. "Interpreting Videoconference Sessions." CSUN 29th Annual International Technology & Persons with Disabilities Conference. California State University at Northridge. San Diego, CA. 5 Mar. 2014. Conference Presentation. £

**Uninvited Presentations:** Clymer, E. William and Gary Behm. "Access Technology Innovation Through Unique Collaborations." CSUN 29th Annual International Technology & Persons with Disabilities Conference. California State University at Northridge. San Diego, CA. 6 Mar. 2014. Conference Presentation. £

**Uninvited Presentations:** Clymer, E. William and Christine Monikowski. "Best Practices for ASL Interpreters in Videoconference Environments." 17th Annual Accessing Higher Ground Accessible Media, Web and Technology Conference. AHG. Westminister, CO. 16 Nov. 2014. Conference Presentation. £

#### *Communication Studies and Services*

### Linda Gottermeier, Associate Professor

**Journal Paper:** Gottermeier, Linda and Carol DeFilippo. "Early-onset Deafness: Functional Speechreading Assessment." *Audiology Today Aural Rehabilitation Issue*. November/December (2014): 10-17. Print. \*

**Shows/Exhibits/Installations:** Gottermeier, Linda. Communication Apps for Deaf/Hearing Persons. By Wendy Di Matteo. 5 May 2014. Imagine RIT, Rochester, NY. Exhibit.

### Joseph Bochner, Professor

**Manuscripts Submitted for Publication:** Bochner, Joseph H., Wayne M. Garrison, and Karen A. Doherty. "The NTID Speech Recognition Test: NSRT." Forthcoming. TS- typescript (typed). \*

**Manuscripts Submitted for Publication:** Garrison, Wayne M. and Joseph H. Bochner. "Applications of the NTID Speech Recognition Test (NSRT)." 1 Oct. 2014. TS- typescript (typed). \*

**Internal Reports/Manuscripts/Articles:** Bochner, Joseph H., et al. "Psychometric Characteristics of the American Sign Language Discrimination Test" [CAT]. Rochester, NY: NTID/RIT, 31 Oct. 2014. Print. \*

### Luane Haggerty, Senior Lecturer

**Invited Presentations/Keynotes:** Haggerty, Luane Davis. "Dangerous Signs: Tales From The Dark Side." Rochester Fringe Theater Festival. RIT. Rochester, New York. 19 & 26 Dec. 2014. Conference Presentation. Δ

**Shows/Exhibits/Installations:** Haggerty, Luane Davis. Director. 5-19 Jul. 2014. Highland Park Bowl Theater John Dunbar Memorial Pavilion, Rochester. Performance.

**Uninvited Presentations:** Haggerty, Luane Davis. "A Midsummer Night's Dream: Bi-cultural performance." Who's Who in American Theater. News Digest. New York, New York. 10 Aug. 2014. Guest Lecture. ^

**Invited Presentations/Keynotes:** Haggerty, Luane Davis. "DeI-Sign in the Performance of a Community Production of "A Midsummer Night's Dream"." Rochester Literary Society. Barnes & Noble Bookstore. Rochester, New York. 5 Jun. 2014. Guest Lecture.

**Shows/Exhibits/Installations:** Haggerty, Luane Davis. Director. 22-5 Sep. 2014. NTID 1510 Theater Lab, Rochester. Performance.

### J Matt Searls, Associate Professor

**Invited Article/Publication:** Joseph, Bochner, H., et al. "Validity of the American Sign Language Discrimination Test." *Language Testing*. (2014). Print.

### *Information and Computing Studies*

### Karen Beiter, Assistant Professor

**Published Conference Proceedings:** Beiter, Raja S. Kushalnagar and Karen J. "Optimal Viewing Distance for Deaf Signers." *Proceedings of the Annual International Technology & Persons With Disabilities Conference*. Ed. CSUN. Northridge, CA: n.p., 2014. Web. \*

**Invited Presentations/Keynotes:** Beiter, Karen J. and Raja S. Kushalnagar. "Optimal Classroom Views for Deaf Students." *The 16th International ACM SIGACCESS Conference on Computers and Accessibility*. Association for Computing Machinery. Rochester, NY. 20 Oct. 2014. Conference Presentation. \*

**Shows/Exhibits/Installations:** Kushalnagar, Raja S. *Accessible Views: Optimal Views*. By Karen J. Beiter. 5 May 2014. ImagineRIT, Rochester. Exhibit. \*

**Invited Presentations/Keynotes:** Beiter, Karen J. and Raja S. Kushalnagar. "Optimal Classroom Views for Deaf Students." *Effective Access Technology Conference*. RIT. Rochester, NY. 17 Jun. 2014. Conference Presentation. \*

### Raja Kushalnagar, Assistant Professor

**Journal Paper:** Kushalnagar, Raja S., Walter S. La-secki, and Jeffrey P. Bigham. "Accessibility Evaluation of Classroom Captions." *ACM Transactions on Accessible Computing* 5. 3 (2014): 1-24. Print. \*

**Journal Paper:** Adler, Henry, et al. "Undergraduate Research in Mathematics with Deaf and Hard of Hearing Students: Four Perspectives." *Involve: A Journal Of Mathematics* 7. 3 (2014): 247-264. Print. \*

**Published Conference Proceedings:** Kushalnagar, Raja S., Vignesh, Ramachandran, and Oh, Tae. "Tactile Captions: Augmenting Visual Captions." Proceedings of the International Conference on Computers Helping People. Ed. Arthur Karshmer. Paris, France: Springer International Publishing, Web. \*

**Published Conference Proceedings:** Kushalnagar, Raja S. and Kushalnagar, Poorna. "Live and Collaborative Gaze Review for Deaf and Hard of Hearing Students." Proceedings of the International Conference on Computers Helping People. Ed. Arthur Karshmer. Paris, France: Springer International Publishing, Print. \*

**Published Conference Proceedings:** Kushalnagar, Raja S. and Beiter, Karen B. "Optimal Viewing Distance for Deaf Signers." Proceedings of the Annual International Technology & Persons With Disabilities Conference. Ed. CSUN. Northridge, CA: n.p., 2014. Web. \*

**Published Conference Proceedings:** Kushalnagar, Raja S., et al. "Enhancing Caption Accessibility Through Simultaneous Multimodal Information: Visual- Tactile Captions." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility- ASSETS '14. Ed. ACM. Rochester, NY: ACM, Print. \*

**Published Conference Proceedings:** Kushalnagar, Raja S., et al. "AVD-LV: An Accessible Player for Captioned Stem Videos." Proceedings of the 16th international ACM SIGACCESS conference on Computers and accessibility- ASSETS '14, October 22-24, 2014, Rochester, NY. Ed. ACM. NY, NY: ACM, Print. \*

**Published Conference Proceedings:** Lasecki, Walter S., Raja S. Kushalnagar, and Jeffrey P. Bigham. "Legion Scribe." Proceedings of the 16th International ACM SIGACCESS Conference on Computers and Accessibility- ASSETS '14, October 22-24, 2014, Rochester, NY. Ed. ACM. NY, NY: ACM, Print. \*

### **Jessica Cuculick, Assistant Professor**

**Invited Presentations/Keynotes:** Cuculick, Jess A. "Focus Groups and Interviewing: Deaf Culture." Sign Language Linguistic Conference. Korea Society for Sign Language Linguistics. Chungchungnam-Do, Korea. 11 Aug. 2014. Conference Presentation.

**Dissertation/Thesis:** Cuculick, Jess A. "Facebooking Among Deaf College Students: Deaf-gain and Funds of Knowledge." Diss. University of Rochester, 2014. Print.

### **Kathleen Eilers-crandall, Associate Professor**

**Full Length Book:** Eilers-crandall, Kathleen. Women Leaders- Reading with Study Guide. 2nd edition ed. Rochester, NY: NTID, 2014. Print. ^

### **Pamela Kincheloe, Associate Professor**

**Manuscripts Submitted for Publication:** Pamela, Kincheloe. "See/I: Emergent Deaf Identities in American Popular Culture." 1 Jan. 2014. TS- typescript (typed). \*

**Manuscripts Submitted for Publication:** Pamela, Kincheloe. "The Heteroglossic Voice of The Silent Worker." 1 Jan. 2014. TS- typescript (typed). \*

**Shows/Exhibits/Installations:** Pamela, Kincheloe. A Perverse Diverse: Dynamics of Attraction and Repulsion in Representations of Cochlear Implants in North American Media. 6 Jul. 2014. ICED, Athens. Exhibit. £

**Invited Presentations/Keynotes:** Pamela, Kincheloe,. "Robocomp: Merging Cyborg Theory with Multimodal Practice in the First Year Writing Classroom." Conference on College Composition and Communication. NCTE. Tampa, FL. 9 Mar. 2014. Conference Presentation. Δ

### **John-Allen Payne, Associate Professor**

**Full Length Book:** Payne, John-Allen. Textbook for Bridge to College English-1 NENG-231. First ed. Rochester, NY: National Technical Institute for the Deaf (NTID), 2014. Print.



**Full Length Book:** Payne, John-Allen. Workbook for Bridge to College English-1 NENG-231. First ed. Rochester, NY: National Technical Institute for the Deaf (NTID), 2014. Print.

**Invited Presentations/Keynotes:** Payne, John-Allen. "Verb Tenses in the STEM disciplines." NTID DeafTEC Videorecording Session. NTID DeafTEC Center. Rochester, NY. 3 Nov. 2014. Guest Lecture. Δ

### *Liberal Studies- Research*

#### **Gerald Berent, Professor**

##### **Judged National/International Competition**

**Award Winner:** Kelly, Ronald R., et al. National Science Foundation. Stereotype Threat Effects on Deaf and Hard of Hearing College Students' Mathematics Problem Solving Performance. Bethesda, MD, 2014.

**Invited Presentations/Keynotes:** Berent, Gerald P. "Deaf Students' Emerging English Verb Knowledge: Facilitating Acquisition Through Input Enhancement Instruction." Listening and Spoken Language II: Transition to School and Emergent Literacy. Nazareth College. Rochester, NY. 24 Jun. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Berent, Gerald P. "The Centrality of Verb Knowledge in Language Acquisition: Implications for Deaf Students' English Education." Language Acquisition and Learning, MSSE. National Technical Institute for the Deaf, RIT. Rochester, NY. 20 Mar. 2014. Guest Lecture.

#### **Vincent J Samar, Associate Professor**

**Invited Presentations/Keynotes:** Cerulli, Catherine, Robert Pollard, and Vincent Samar. "Associations Between Intimate Partner Violence Exposure And Preventative Health Care Seeking Comparing Deaf And Hearing Samples." 6Th World Congress On Mental Health And Deafness. Queen's University Belfast. Belfast, Ireland. 16 Sep. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Samar, Vincent, Sid Segalowitz, and James DeJardins. "Adverse Childhood Conditions Dysregulate Adults' Executive Self-Regulation Mechanisms In Dorsal Anterior Cingulate Cortex." UNYTE Translational Research Network, Scientific Session, Promoting Upstate New York Collaborations in Neuroscience Research,. UNYTE Translational Research Network. Rochester, NY. 16 May 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Samar, Vincent, Sid Segalowitz, and James DeJardins. "Adverse Childhood Conditions May Impair Adults' Cortical Attention Mechanisms: ERP Evidence." 26th Annual Association for Psychological Science Convention. Association for Psychological Science. Washington, DC. 24 May 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Samar, Vincent J. and Tamala David. "Video Enabled Survey Tool: Interactive Software to Build and Present Surveys in Signed, Spoken, and Written Language." Diversity at the University Fall Research Conference: Growing the Next Generation of Community-Based Researchers. University of Rochester. Rochester, NY. 28 Oct. 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Samar, Vincent. "Video Enabled Surveys: Interactive Software to Build and Present Surveys in Signed, Spoken, and Written Language." 2nd Conference on Effective Access Technology. RIT, AI Sigl, L3, ABVI, Heritage, ARC, Paradigm. Rochester, NY. 17 Jun. 2014. Conference Presentation. Δ

**Shows/Exhibits/Installations:** Samar, Vincent. Demonstration of Video Enabled Surveys: Interactive Software to Build and Present Surveys in Spoken, Written and Signed Languages. 17-18 Jun. 2014. Rochester Riverside Convention Center, Rochester, NY. Exhibit. Δ £

**Journal Paper:** Kumar, Arun, et al. "A Wavelet Based Algorithm for the Identification of Oscillatory Event-Related Potential Components." *Journal of Neuroscience Methods* 233. (2014): 63-72. Print.

**Journal Paper:** Roman, Gretchen and Vincent J. Samar. "Workstation Ergonomics Improves Posture and Reduces Musculoskeletal Pain in Video Interpreters." *Journal of Interpreting*. (2014): 1-15. Print.

**Grants:** Samar, Vincent (2014-2015). Assessing Cardiovascular Risks in Deaf Adolescents Who Use Sign Language Subcontract to NTID for Young People's Cardiovascular Health Literacy Survey- Analysis, Dissemination, and Interface Refinement. Grant received/funded by NIH/National Heart Lung and Blood Institute. ≠

**Grants:** DeCaro, James and Vincent Samar (2014-2019). Rochester Prevention Research Center- National Center for Deaf Health Research (NCDHR). Deaf Weight Wise 2.0. Grant received/funded by Prevention Research Centers, Centers for Disease Control and Prevention. ≠

**Invited Presentations/Keynotes:** Parasnis, Ila and Vincent Samar. "Attention Deficit Scales for Adults-Sign Language Version (ADSA-SLV): Criterion validity." 26th Annual Convention of the Association for Psychological Science. Association for Psychological Science. Washington, DC. 24 May 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Parasnis, Ila and Vincent Samar. "Attention Deficit Scales for Adults-Sign Language Version (ADSA-SLV): An Accessible ADHD Instrument for Evaluating Deaf Adults." 2nd Conference on Effective Access Technology. RIT, AI Sigl, L3, ABVI, Heritage, ARC, Paradigm. Rochester, NY. 17 Jun. 2014. Conference Presentation. Δ

### Christopher Kurz, Associate Professor

**Journal Paper:** Kurz, Christopher A and Kim B Kurz. "Genesis of a college for the deaf: The National Deaf-Mute College." *Deaf Studies Digital Journal* 4. (2014): 0:00- 10:00. Web. \*

**Book Chapter:** Kurz, Christopher A and Albert J Hlibok. "Laurent Clerc, A Complex and Conflicted Deaf Man in America: Internal and External Struggles." "See lives: Biographies and Autobiographies." Ed. Kristen Snodden. Washington DC, Washington DC: Gallaudet University Press, 2014. 102-114. Print. Δ

**Invited Presentations/Keynotes:** Kurz, Chris and Jeanne Reis. "Science, Technology, and Math, Oh My!" Meeting of Teachers of the Deaf and Educational Interpreters. Iowa State Department of Education. Vinton, IA. 11 Jun. 2014. Lecture.

**Uninvited Presentations:** Kurz, Chris, Gary Behm, and Brian Trager. "RIVA Accessmedia: Broadening Communication Access for People with Disabilities." Effective Access Technology Conference. SIG-ACCESS. Rochester, NY. 17 Jun. 2014. Poster Session. £

**Uninvited Presentations:** Kurz, Chris, Albert J Hlibok, and Kim B Kurz. "A Closer Look at Laurent Clerc's Perceptions on Sign Languages." Deaf Studies! Today Conference. Utah Valley University. Provo, UT. 12 Apr. 2014. Conference Presentation. \*

**Uninvited Presentations:** Kurz, Chris and Kim Kurz. "Amos G. Draper at Gallaudet: His Legacy as a Student, Professor, Mentor, Friend and Caretaker." Symposium: Celebrating 150 years of Visionary Leadership. Gallaudet University. Washington DC, Washington DC. 9 Apr. 2014. Conference Presentation. \*

**Uninvited Presentations:** Kurz, Chris and Kim Kurz. "Genesis of a College for the Deaf: The National Deaf-Mute College." Deaf Studies! Today Conference. Utah Valley University. Provo, UT. 12 Apr. 2014. Conference Presentation. \*

### **Sara Schley, Associate Professor**

**Published Review:** Schley, Sara. "Reflections on Bilingual Parenting." Rev. of Bilingual deaf and Hearing families. eds. B Bodner-Johnson and B. S. Benedict. Journal of Deaf Studies and Deaf Education, 19(3) 2014: 422. Print. Δ

*MSSE- Research*

### **Carol De Filippo, Professor**

**Journal Paper:** Gottermeier, Linda G. and Carol De Filippo. "Early-Onset Deafness: Functional Speechreading Assessment." Audiology Today 26. 6 (2014): 24-32. Print. £

**Uninvited Presentations:** Clark, Catherine and Carol De Filippo. "Cochlear Implant Training with Fading Visual Cues for Prelingually Deaf Adults." Audiology NOW. American Academy of Audiology Conference. San Antonio, TX. 25 Mar. 2015. Conference Presentation. \*

### **Ila Parasnis, Professor**

**Invited Presentations/Keynotes:** Parasnis, Ila and Vincent J. Samar. "Attention Deficit Scales for Adults-Sign Language Version (ADSA-SLV): Criterion Validity." 26th Annual Convention of the Association for Psychological Science. Association for Psychological Science. Washington, DC. 24 May 2014. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Parasnis, Ila and Vincent J. Samar. "Attention Deficit Scales for Adults-Sign Language Version (ADSA-SLV): An Accessible ADHD Instrument for Evaluating Deaf Adults." Effective Access Technology Conference. Rochester Institute of Technology. Rochester, NY. 17 Jun. 2014. Conference Presentation. Δ £

### **Michael Stinson, Professor**

**Invited Presentations/Keynotes:** Stinson, Michael, et al. "Get Mobile Captioning Anywhere." Effective Access Technology Conference. Rochester Institute of Technology. Rochester, New York. 17 Jun. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Stinson, Michael, et al. "Using Technology to Improve Communication in Small Groups with Deaf and Hearing Students." Effective Access Technology Conference. Rochester Institute of Technology. Rochester, New York. 17 Jun. 2014. Conference Presentation. £

**Book Chapter:** Albertini, John, Michael Stinson, and Argiroula Zangana. "Composing Academic Essays: Using Dictation and Technology to Improve Fluency." Writing Development in Children with Hearing Loss, Dyslexia, or Oral Language Problems. New York, New York: Oxford University Press, 2014. 100-111. Print. £

**Journal Paper:** Stinson, Michael, Lisa Elliot, and Donna Easton. "Deaf/hard of Hearing and Other Postsecondary Learners? Retention of STEM Content with Tablet Computer Based Notes." Journal of Deaf Studies and Deaf Education 19. 2 (2014): 251-269. Print. \*

*Office of the President*

### **Marc Marschark, Professor**

**Journal Paper:** Sarchet, T., et al. "Vocabulary Knowledge and Meta-knowledge in Deaf and Hearing Students." Journal of Postsecondary Education and Disabilities. 27 (2014): 161-178. Print. \* ≠

**Full Length Book:** Marschark, M., G. Tang, and H. Knoors. Bilingualism and Bilingual Deaf Education. First ed. New York, NY: Oxford University Press, 2014. Print. \*

**Full Length Book:** Knoors, H. and M. Marschark. Teaching Deaf Learners: Psychological and Developmental Foundations. First ed. New York, NY: Oxford University Press, 2014. Print. \*

**Journal Paper:** Blom, H., et al. "De relatie Tussen Online Activiteiten en het Welbevinden van dove en Slechthorende Jongeren en Jongvolwassenen." Van Horen Zeggen. 55 (2014): 10-18. Print. \*

**Book Chapter:** Knoors, H., M. Marschark, and G. Tang. "Bilingualism and Bilingual Deaf Education: Time to Take Stock." Bilingualism and Bilingual Deaf Education. New York, NY: Oxford University Press, 2014. 1-22. Print. £

**Journal Paper:** Blom, H., et al. "Finding Friends Online: Online Activities by Deaf Students and their Influence on Well-being." PLoS ONE. (2014): N/A. Web. \*

**Journal Paper:** Hintermair, M., H. Knoors, and M. Marschark. "Was wir über Lernprozesse Gehorloser und Schwerhöriger Kinder Wissen: Überlegungen auf der Grundlage Evidenzbasierter Forschungsergebnisse." Horgeschiedigtenpädagogik. 68 (2014): 6-16. Print. \*

**Book Chapter:** Marschark, M. and C. Lee. "Navigating Two Languages in the Classroom: Goals, Evidence, and Outcomes." Bilingualism and Bilingual Deaf Education. New York, NY: Oxford University Press, 2014. 213-241. Print. £

**Book Chapter:** Marschark, M., G. Tang, and H. Knoors. "Perspectives on Bilingualism and Bilingual Deaf Education." Bilingualism and Bilingual Deaf Education. New York, NY: Oxford University Press, 2014. 445-475. Print. £

**Invited Presentations/Keynotes:** Marschark, M. "Why Deaf Children Can't Read (and Why You Should Care)." Faculty of Computer Science & European Academy for Applied Research and Postgraduate Studies. Free University of Bolzano. Bozen, Italy. 14 Jan. 2014. Conference Presentation. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Language, Cognition and Learning by Students With and Without Cochlear Implants." Indiana University School of Medicine. Indiana University School of Medicine. Indianapolis, IL. 29 Jan. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Evidence-based Practice with Deaf and Hard-of-Hearing Students." Cecil H. and Ida Green Honors Chair Cross-Discipline Student Lecture. Texas Christian University. Fort Worth, TX. 19 Feb. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Educating Deaf Children: Has Elvis Already Left the Building?" Cecil H. and Ida Green Honors Chair, University Interdisciplinary Faculty Lecture. Texas Christian University. Fort Worth, TX. 19 Feb. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Questions about Deaf Children You Always Wanted to Ask, but Didn't." Cecil H. and Ida Green Honors Chair Parents Lecture. Texas Christian University. Fort Worth, TX. 19 Feb. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Deaf Children's Language and Learning: What We Know and What We Think We Know,." Cecil H. and Ida Green Honors Chair Communication Sciences and Disorders Lecture. Texas Christian University. Fort Worth, TX. 20 Feb. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "How Deaf Children Learn (And Why They Sometimes Don't)." Texas Teachers of the Deaf Web Lecture. Texas State Department of Education. Austin, TX. 20 Feb. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Myths and Misunderstandings in Deaf Education: On Language, Cognition, and Learning." Workshop Lecture. Ohio School for the Deaf. Kent, OH. 6 Mar. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "What We Know, What We Don't Know, and Where We Are Going." Teaching Deaf Learners Conference. Teaching Deaf Learners Conference. Amsterdam, The Netherlands. 21 Mar. 2014. Keynote Speech. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Myths and Misunderstandings in Deaf Education: On Language, Cognition, and Learning,." Workshop Lecture. Ohio School for the Deaf and University of Cincinnati. Cincinnati, OH. 25 Apr. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "New Research in Deaf Education: What's Hot and What's Not." Statped. Statped. Oslo, Norway. 22 Sep. 2014. Guest Lecture. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Matching the Strengths and Needs of Deaf Learners." Hearing and Cognition Conference. Norwegian Labour and Welfare Administration. Department of Vocational Rehabilitation. Gardermoen, Norway. 24 Sep. 2014. Keynote Speech. ≠

**Invited Presentations/Keynotes:** Marschark, M. "Factors Associated with Positive Outcomes for Deaf and Hard of Hearing Students?" Council on Exceptional Children. Council on Exceptional Children. Philadelphia, PA. 10 Apr. 2014. Conference Presentation. ≠

**Journal Paper:** Shaver, D., et al. "Who is Where? Characteristics of Deaf and Hard-of-hearing Students in Regular and Special Schools." *Journal of Deaf Studies and Deaf Education*. 19 (2014): 203-219. Print. \* ≠

**Journal Paper:** Convertino, C.M., et al. "Word and World Knowledge Among Deaf Students With and Without Cochlear Implants." *Journal of Deaf Studies and Deaf Education*. 19 (2014): 471-483. Print. \*

### *Research and Teacher Education*

#### **Marc Marschark, Professor**

**Invited Presentations/Keynotes:** Marschark, M. "Language, Cognition, and Mental Health in Deaf Children." National Center for Hearing and Mental Health. Oslo University Hospital. Oslo, Norway. 22 Sep. 2014. Guest Lecture. ≠

### *Science and Mathematics*

#### **Austin Gehret, Assistant Professor**

**Published Conference Proceedings:** Gehret, Austin U., et al. "Characterization and Complementation of a Potential Novel Phenotype for *Saccharomyces Cerevisiae* PHO13." *Proceedings of the Experimental Biology 2014*. Ed. Gerald Weissmann, MD, et al. Bethesda, MD: Federation of American Societies for Experimental Biology, 2014. Print. \*

#### **Bonnie Jacob, Assistant Professor**

**Journal Paper:** Grood, Cheryl, et al. "Minimum Rank with Zero Diagonal." *Electronic Journal of Linear Algebra* 27. (2014): 458-477. Web. \*

**Journal Paper:** Adler, Henry, et al. "Undergraduate Research in Mathematics with Deaf and Hard-of-hearing Students: Four Perspectives." *Involve: a Journal of Mathematics* 7. 3 (2014): 247-264. Print. \*

**Uninvited Presentations:** Jacob, Bonnie. "The Minimum Rank of the Set of Symmetric Zero-diagonal Matrices Associated with a Graph." *Joint Mathematics Meetings, AMS Special Session on Trends in Graph Theory*. American Mathematical Society. Baltimore, MD. 18 Jan. 2014. Conference Presentation. £

**Uninvited Presentations:** Ansill, Thomas and Jaime Penzellna. "Failed Zero Forcing and Failed Skew Zero Forcing on Graphs." *AMS Special Session on Research in Mathematics by Undergraduates and Students in Post-Baccalaureate Programs*. American Mathematical Society. Baltimore, MD. 18 Jan. 2014. Conference Presentation. £

### Matthew Lynn, Associate Professor

**Journal Paper:** Miecznikowski, J. R., et al. "Syntheses and Characterization of Three- and Five-Coordinate Copper(II) Complexes Based on Tridentate SNS Pincer Ligand Precursors." *Polyhedron* 80. (2014): 157-165. Print.

**Journal Paper:** Miecznikowski, J. R., et al. "Synthesis, Characterization, and Computational Study of Three-Coordinate SNS-Copper(I) Complexes Based on Bis-Thione Precursors." *Journal of Coordination Chemistry* 67. (2014): 29-44. Print.

**Invited Presentations/Keynotes:** Lynn, M. A., S. J. Connelly, and A. D. Ross. "A Quantitative and Qualitative Assessment of the Experiences of Deaf and Hard-of-Hearing Students Transitioning into Baccalaureate Studies in STEM Disciplines." Second Annual Spring Conference of the Assessment Network of New York (ANNY). Assessment Network of New York. Rochester, NY. 30 Apr. 2014. Conference Presentation.

### Keith Mousley, Associate Professor

**Manuscripts Submitted for Publication:** Kurz, Christopher A.N. and Keith Mousley. "Fraction Teaching and Learning: Pre-College Deaf Students? Understanding of Fractional Concepts." 16 Oct. 2014. MS- manuscript (handwritten). \*

**Manuscripts Submitted for Publication:** Mousley, Keith and Christopher A.N. Kurz. "Pre-College Deaf Students? Understanding of Fractional Concepts: What We Know and What We Do Not Know." 30 Apr. 2014. MS- manuscript (handwritten). \*

### Jason T Nordhaus, Assistant Professor

**Invited Presentations/Keynotes:** Nordhaus, J. "Building Opportunities for Deaf and Hard-of-Hearing Students in Astronomy." NSF Fellows Symposium. National Science Foundation. Washington, DC. 6 Jan. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Nordhaus, Jason. "Binary Interactions on the Post-main Sequence." Colloquium. University of Oxford. Oxford, United Kingdom. 13 Dec. 2104. Lecture.

**Manuscripts Submitted for Publication:** Papish, O., J. Nordhaus, and N. Soker. "A Call for a Paradigm Shift from Neutrino-driven to Jet-driven Core-collapse Supernova Mechanisms." Forthcoming. TS- typescript (typed). £

**Journal Paper:** Clayton, G., et al. "Dusty Disks around Central Stars of Planetary Nebulae." *Astrophysical Journal* 147. 6 (2014): 9. Web. £

**Journal Paper:** Freeman, M, et al. "The Chandra Planetary Nebula Survey (CHANPLANS). II. X-Ray Emission from Compact Planetary Nebulae." *Astrophysical Journal* 794. 2 (2014): 13. Web. £

**Journal Paper:** Ueta, T., et al. "The Herschel Planetary Nebula Survey (HerPlaNS). I. Data Overview and Analysis Demonstration with NGC 6781." *Astronomy & Astrophysics* 565. A26 (2014): 24. Web. £

**Published Conference Proceedings:** Ueta, T., et al. "Herschel Planetary Nebula Survey (HerPlaNS)." *Proceedings of the Asymmetrical Planetary Nebulae VI*. Ed. C. Morisset, G. Delgado-Inglada, and S. Torres-Peimbert. Mexico City, Mexico: n.p., 2014. Web.

**Published Conference Proceedings:** Nordhaus, J. "Highly-magnetized White dwarfs: Formation Mechanisms and Implications for Planetary Nebulae." *Proceedings of the Asymmetric Planetary Nebulae VI*. Ed. C. Morisset, G. Delgado-Inglada, and S. Torres-Peimbert. Mexico City, Mexico: n.p., Web.

**Invited Presentations/Keynotes:** Nordhaus, J. "Binary Interactions on the Post-main Sequence." Colloquium. University of California Berkeley. Berkeley, CA. 28 Apr. 2014. Lecture.

**Published Conference Proceedings:** Huar-te-Espinosa, M., et al. "Modeling the Formation and Evolution of Wind-Capture Disks In Binary Systems." Proceedings of the Asymmetric Planetary Nebulae VI. Ed. C. Morisset, G. Delgado-Inglada, and S. Torres-Peimbert. Mexico City, Mexico: n.p., Web.

**Shows/Exhibits/Installations:** Team, NSF AstroDance. AstroDance: Teaching Astrophysics Through Dance? By J. Noel-Storr, et al. 7 Jan. 2014. American Astronomical Meeting, Washington, DC. Exhibit.

**Shows/Exhibits/Installations:** Presentation, Poster. Exploring How Different Mass-loss Schemes Influence the Properties of Nascent White Dwarfs. By B. Zins and J. Nordhaus. 6 Jan. 2014. American Astronomical Society Meeting, Washington, DC. Exhibit.

#### Todd Pagano, Associate Professor

**Full Length Book:** Pagano, Todd and Annemarie D. Ross. "Teaching Chemistry to Students with Disabilities." 4.1 ed. Washington, DC: American Chemical Society, 2014. Web. £

**Invited Presentations/Keynotes:** Pagano, Todd. "The Kinetics of Academic and Career Success." Augustine Silveira Distinguished Lecture. SUNY Oswego. Oswego, NY. 10 May 2014. Keynote Speech.

#### External Scholarly Fellowships:

12/19/2014-

12/19/2019

Dept. of State/Council for International Exchange of Scholars

Amount: 15,000

£

**Journal Paper:** Pagano, Todd, Nelsy Carcamo, and Jonathan E. Kenny. "Investigation of the Fluorescence Quenching of 1-Aminoanthracene by Dissolved Oxygen in Cyclohexane." Journal of Physical Chemistry A 118. 49 (2014): 11512-11520. Print. \*

**Journal Paper:** Pagano, Todd, Morgan Bida, and Jonathan E. Kenny. "Trends in Levels of Allochthonous Dissolved Organic Carbon in Natural Water: A Review of Potential Mechanisms under a Changing Climate." Water 6. 10 (2014): 2862-2897. Web. \*

**Journal Paper:** Pagano, Todd, et al. "On the Sustainability of Programs for Students with Disabilities: Observations and Practical Ideas." Science. (2014): 765. Print. £

**Journal Paper:** Pagano, Todd. "Mentoring Perspective: Providing the Fuel (and Passing the Flame)." Journal of Science Education for Students with Disabilities 17. 1 (2014): 36-39. Web. £

**Grants:** Pagano, Todd, Annemarie D. Ross, and Susan B. Smith (2014-2015). "Enhancing Technical Skills Related to Health Sciences and Sustainability Careers for Deaf and Hard-of-Hearing Laboratory Science Technology Students." Grant received/funded by VATEA, New York State Department of Education. \*

#### Manuscripts Submitted for Publication:

Smith, Susan B., Annemarie D. Ross, and Todd Pagano. "Conducting Undergraduate Research with Deaf and Hard-of-Hearing Students in the Chemical and Biological Sciences." 25 Nov. 2014. TS- typescript (typed). \*

**Invited Presentations/Keynotes:** Pagano, Todd, Annemarie D. Ross, and Susan B. Smith. "Developing an Inclusive Environment for Deaf and Hard-of-Hearing Students in Undergraduate Research Programs." 248th ACS National Meeting. American Chemical Society. San Francisco, CA. 11 Aug. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Ross, Annemarie D., Susan B. Smith, and Todd Pagano. "Academic Benefits of the Online ACS Climate Change Toolkit for Deaf and Hard-of-Hearing Students." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Pagano, Todd, Susan B. Smith, and Annemarie D. Ross. "Encouraging Deaf and Hard-of-Hearing Students in Undergraduate Research at the Interface of Chemistry and Biology." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Conference Presentation. \*

**Uninvited Presentations:** Pagano, Todd, et al. "Fingerprinting the Biochemical Make-up of Fruits Available to Migratory Birds via Multidimensional Fluorescence and Chemometrics." Annual Meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. American Ornithologists' Union. Estes Park, CO. 23 Sep. 2014. Conference Presentation. \*

**Uninvited Presentations:** Smith, Susan B., et al. "Nutritional Composition of Native and Invasive Fruits Consumed by Migrating Birds at Stop-over Sites in the Western Finger Lakes Region of New York." Annual Meeting of the American Ornithologists' Union, the Cooper Ornithological Society, and the Society of Canadian Ornithologists. American Ornithologists' Union. Estes Park, CO. 23 Sep. 2014. Conference Presentation. \*

**Uninvited Presentations:** Pagano, Todd, et al. "Fingerprinting the Antioxidant Components of Wild Fruits Using Multidimensional Fluorescence and Chemometric Analysis." 248th ACS National Meeting. American Chemical Society. San Francisco, CA. 10 Aug. 2014. Conference Presentation. \*

**Uninvited Presentations:** Merchant, Charmaine R., et al. "Modified Colorimetric Microplate Assay for the Analysis of Protein in Wild Fruit Extracts." 248th ACS National Meeting. American Chemical Society. San Francisco, CA. 10 Aug. 2014. Conference Presentation. \*

**Uninvited Presentations:** Ulerio-Nunez, Franly, et al. "Characterization of Antioxidant Components in Wild Fruits Common to the Western Finger Lakes Region of New York." 248th ACS National Meeting. American Chemical Society. San Francisco, CA. 10 Aug. 2014. Conference Presentation. \*

**Uninvited Presentations:** Merchant, Charmaine R., et al. "Biochemistry of Fruits: from Wild Berries for Migratory Birds to Wine." RIT Undergraduate Research Symposium. Rochester Institute of Technology. Rochester, NY. 8 Aug. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Pagano, Todd, et al. "Multidimensional Fluorescence of Fruits: a Novel Technique for the Fingerprinting of Nutritional Quality." Wilson Ornithological Society Annual Meeting. Wilson Ornithological Society. Newport, RI. 29 May 2014. Conference Presentation. \*

**Invited Presentations/Keynotes:** Pagano, Todd. "Multidimensional Fluorescence Spectroscopy with Chemometrics for the Analysis of Environmental Samples." Chemistry Department Seminar. SUNY Oswego. Oswego, NY. 10 May 2014. Guest Lecture.

**Uninvited Presentations:** Merchant, Charmaine R., et al. "Biochemical Analysis of the Nutritional Components of Native and Invasive Fruits in Rochester, NY." Rochester ACS Undergraduate Research Symposium. American Chemical Society, Rochester, NY Section. Rochester, NY. 10 Apr. 2014. Conference Presentation. \*

**Uninvited Presentations:** Sankoh, Amie, et al. "Analysis of Phenolic and Antioxidant Components in Tea using Multidimensional Fluorescence Spectroscopy and Chemometrics." Rochester ACS Undergraduate Research Symposium. American Chemical Society, Rochester, NY Section. Rochester, NY. 10 Apr. 2014. Conference Presentation. \*



**Invited Presentations/Keynotes:** Pagano, Todd, et al. "Analysis of Phenolic Compounds in Tea Using Multidimensional Fluorescence Spectroscopy." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Conference Presentation. \*

**Manuscripts Submitted for Publication:**

Pagano, Todd, et al. "Nicotine Concentrations in Disposable Electronic Cigarettes: an Assessment of Variability in Advertised and Delivered Nicotine Levels by GC-MS Analysis." 28 Oct. 2014. TS- typescript (typed). \*

**Manuscripts Submitted for Publication:** Bida, Morgan, Christina A. Tyler, and Todd Pagano. "Quantity and Composition of Stream Dissolved Organic Matter in the Watershed of Conesus Lake, New York." 22 Oct. 2014. TS- typescript (typed). \*

**Uninvited Presentations:** Sood, Harshita, et al. "What Birds Should Eat and Why: Nutritional Differences in Fruits Among Sites and Growing Seasons." 41st Annual Rochester Academy of Sciences Conference. Rochester Academy of Sciences. Brockport, NY. 15 Nov. 2014. Conference Presentation. \*

**Annemarie Ross, Associate Professor**

**Grants:** Pagano, Todd, et al (2014-2015). Enhancing Technical Skills Related To Health Sciences And Sustainability Careers For Deaf And Hard-Of-Hearing Laboratory Science Technology Students. Grant received/funded by Research Foundation of SUNY, DED-Department of Education. ≠

**Manuscripts Submitted for Publication:** Pagano, Todd, Annemarie D. Ross, and Susan B. Smith. "Conducting Undergraduate Research with Deaf and Hard-of-Hearing Students in the Chemical and Biological Sciences." 25 Aug. 2014. TS- typescript (typed). «

**Invited Presentations/Keynotes:** Ross, Annemarie D, Susan B. Smith, and Todd Pagano. "Developing an Inclusive Environment for Deaf and Hard-of-Hearing Students in Undergraduate Research Programs." 248th ACS National Meeting. American Chemical Society. San Francisco, CA. 11 Aug. 2014. Conference Presentation. Δ

**Uninvited Presentations:** Ross, Annemarie D and Susan B. Smith. "Research with Deaf and Hard-of-Hearing Undergrads." 2014 Biennial Conference on Chemical Education. BCCE. Allendale, MI. 5 Aug. 2014. Poster Session. \*

**Invited Presentations/Keynotes:** Ross, Annemarie D, Blake Aronson, and Neil Bastian. "Recognizing Excellence: Investigating a Recognition Program for Two-Year Colleges." 2014 Biennial Conference on Chemical Education. ACS-BCCE. Allendale, MI. 3 Aug. 2014. Conference Presentation. \*

**Uninvited Presentations:** Ross, Annemarie D., Susan B. Smith, and Todd Pagano. "Academic Benefits of the Online ACS Climate Change Toolkit for Deaf and Hard-of-Hearing Students." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Conference Presentation. \*

**Uninvited Presentations:** Smith, Susan B., Annemarie D. Ross, and Todd Pagano. "Encouraging Deaf and Hard-of-hearing Students in Undergraduate Research at the Interface of Chemistry and Biology." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Poster Session. \*

**Uninvited Presentations:** Roslonowski, Mary C., et al. "Bringing Together Stakeholders to Improve Student Success: The Two-year College Advisory Board's Strategy for Facilitating Open Dialogue." 247th ACS National Meeting. American Chemical Society. Dallas, TX. 16 Mar. 2014. Conference Presentation. \*



**Uninvited Presentations:** Lynn, Matthew A., et al. "A Quantitative and Qualitative Assessment of the Experiences of Deaf and Hard-of-Hearing Students Transitioning into Baccalaureate Studies in STEM Disciplines." Effective Access Technology. RIT. Rochester, NY. 17 Jun. 2014. Conference Presentation. \*

**Uninvited Presentations:** Lynn, Matthew A., Sandra Connelly, and Annemarie D. Ross. "A Quantitative and Qualitative Assessment of the Experiences of Deaf and Hard-of-Hearing Students Transitioning into Baccalaureate Studies in STEM Disciplines." ANNY Second Annual Conference. Assessment Network of New York (ANNY). Rochester, NY. 28 Apr. 2014. Poster Session. \*

**Sharron Webster, Lecturer**

**Uninvited Presentations:** Webster, Sharron and Patricia Wink. "Immediate Feedback and Mathematics Learning." 26th International Conference on Technology in Collegiate Mathematics. ICTCM: International Conference on Technology in Collegiate Mathematics. San Antonio, TX. 21 Mar. 2014. Conference Presentation. Δ

# Other Degree Granting Units

*American University in Kosovo*

## Albina Balidemaj

**Journal Paper:** Balidemaj, Albina and Festina Balidemaj. "Assessment of Role in Non-Governmental Organizations and Their Humanitarian Effort in Refugee Camps Worldwide." *European Journal of Social Sciences Education and Research* 1. 3 (2014): 68-73. Web. \*

**Journal Paper:** Balidemaj, Albina and Festina Balidemaj. "Globalization and Health in Kosovo." *European Journal of Social Sciences Education and Research* 1. 3 (2014): 193-198. Web. \*

**Published Conference Proceedings:** Balidemaj, Albina. "Human Rights Legislation in Albania: The Case of Human Trafficking." *Proceedings of the Strengthening Families and Communities*. Ed. Mark Small. Greenville, South Carolina: Institute on Family and Neighborhood Life Clemson University, 2014. Web. \*

## Festina Balidemaj

**Published Conference Proceedings:** Balidemaj, Festina and Albina Basha. "European Journal of Social Sciences Education and Research." *Proceedings of the Assessment of Health Practitioners' Role in Non-governmental Organizations and Their Humanitarian Effort in Refugee Camps Worldwide*. Ed. Unknown. Rottenburg, Deutschland: n.p., 2014. Print. Δ

**Invited Article/Publication:** Balidemaj, Festina and Albina Balidemaj. "European Journal of Social Sciences Education and Research." *Globalization and healthcare in Kosovo*. (2014). Print.

## Daniel Cosentino, Lecturer

**Shows/Exhibits/Installations:** Cosentino, Daniel. youtopia. 5 Jun. 2014. Mikser Festival 2014, Savamala Neighborhood, Belgrade, Serbia. Installation. £

**Invited Presentations/Keynotes:** Cosentino, Daniel. "Community Design- How to Revive the Abandoned Spaces." Mikser TALKS. Mikser Festival 2014. Belgrade, SERBIA. 7 Jun. 2014. Guest Lecture. £

**Shows/Exhibits/Installations:** Cosentino, Daniel. in-ter-sect/. 28 Mar. 2014. Herron School of Art and Design, Indianapolis, Indiana. Installation. £

**Invited Presentations/Keynotes:** Cosentino, Daniel. "Art and the American Model 'Community Design' Movement." Artist Talk. Herron School of Art and Design. Indianapolis, Indiana. 25 Mar. 2014. Guest Lecture. £

## David C Eustice

**Invited Presentations/Keynotes:** PhD, David C Eustice,. "Modern Drug Discovery." Vitrina Medical School, Tirana, Albania. Vitrina Medical School, Tirana, Albania. Tirana, Albania. 5 May 2014. Guest Lecture. Δ

## Julie M Kolgjini, Lecturer

**Published Conference Proceedings:** Kolgjini, Julie. "An (Un)fettered Albanian Language in the Post-modern Age: Taking a Glance at the Contributions of Janet Byron in Light of Revisiting the Current Standard." *Proceedings of the 4th International Conference on Foreign Language Teaching and Applied Linguistics (FLTAL'14) and International Forum on Cognitive Linguistics*. Theme: Linguistics, Culture, and Identity in Foreign Language Education. Ed. International Burch University. Sarajevo, Bosnia-Herzegovina: Cambridge Scholars Publishing, Print. \*



**Published Conference Proceedings:** Kolgjini, Julie. "Per pengimin e Gjuhes Shqipe ne Kohen Post-moderne: Marre Shkas Nga Kontributi i Janet Byron-it ne Driten e Rishqyrtimit te Standardit Actual." Proceedings of the Seminari XXXII Nderkombetar per Gjuhen, Letersine dhe Kulturen Shqiptare [The 32nd International Seminar on Albanian Language, Literature and Culture]. Ed. Bardh Rugova. Prishtina, Kosova: Faculty of Philology University of Prishtina and Faculty of History and Philology University of Tirana, 2014. Print. £

**Invited Presentations/Keynotes:** Kolgjini, Julie. "Nji Turbullim Estetik i Ideologjise se Gjuhes Standarde: Miftar Spahija." Scientific Conference in Commemoration of the 100th Anniversary of Miftar Spahija. National Museum of Albania. Tirana, Albania. 15 Nov. 2014. Conference Presentation. £

**Invited Presentations/Keynotes:** Kolgjini, Julie. "An Exploration of Effective Strategies for Academic Writing: A Peer-to-peer E-learning Approach to the Flipped Classroom." A.U.K Media Center Workshop for First-year Writing Students. A.U.K. Prishtina, Kosova. 30 Jan. 2014. Conference Presentation.

**Invited Presentations/Keynotes:** Kolgjini, Julie. "Improving the Writing Skills and Research Skills for Higher Quality Scientific Papers." Workshop: Iliria International Review. Iliria University. Prishtina, Kosova. 31 Jan. 2014. Keynote Speech.

### Nita Luci

**Book Chapter:** Luci, Nita and Linda Gusia. "Our Men Will Not Have Amnesia": Civic Engagement, Emancipation, and Gendered Public in Kosovo." Civic and Uncivic Values in Kosovo: History, Politics and Value Transformations. Ed. Sabrina Petra Ramet, Albert Simkus, Ola Lifthaug. Budapest, Hungary: Central European University Press, 2014. 201-222. Print. \*

**Invited Article/Publication:** Luci, Nita. "Empowering Minority Communities in Kosovo against Gender Based Violence." Baseline Study. (2014). Web. ≠

**Journal Editor:** Luci, Nita, et al, ed. Njohja. Prishtina: Institute for Social Studies and Humanities, 2014. Print.

### *Center for Multidisciplinary Studies*

### Cathryn R Leyland, Lecturer

**Invited Presentations/Keynotes:** Leyland, Cathryn R. "The Days the Artists Spoke." 24th Annual Members Exhibition. ROCO Rochester Contemporary Gallery. Rochester, NY. 13 Dec. 2014. Guest Lecture.

**Shows/Exhibits/Installations:** Leyland, Cathryn R. 24th Annual Members Exhibition. Dec. 2014. Rochester Contemporary Art Center, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Leyland, Cathryn R. Annual 6x6 Exhibit. Jun. 2014. Rochester Contemporary Art Center, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Leyland, Cathryn R. Annual Plein Air Painting with Exhibit. Jul. 2014. Damiani Vineyards East Seneca Lake, Burdett, NY. Exhibit.

**Manufactured Product:** Leyland, Cathryn R. Surface Pattern Design. Digital Graphics for Housewares and Fashion. Multiple Agencies. (2014).

### Thomas Moran, Professor

**Journal Paper:** Moran, Tom. "Cause and Effect." Rind Literary Journal 5. (2014): 39-43. Web. \*

**Journal Paper:** Moran, Tom. "Leaving Venice." Switchback 10. 19 (2014): Non-fiction. Web. \*

## Featured Faculty

**Wael Abdel-Samad** is an Assistant Professor in the Mechanical Engineering Division at RIT's Campus in Dubai. He received his PhD from the University of Wisconsin - Madison in 2013 and his research interests lie in the fields of *Hybrid Experimental Mechanics* and *Nondestructive Testing (NDT)*.

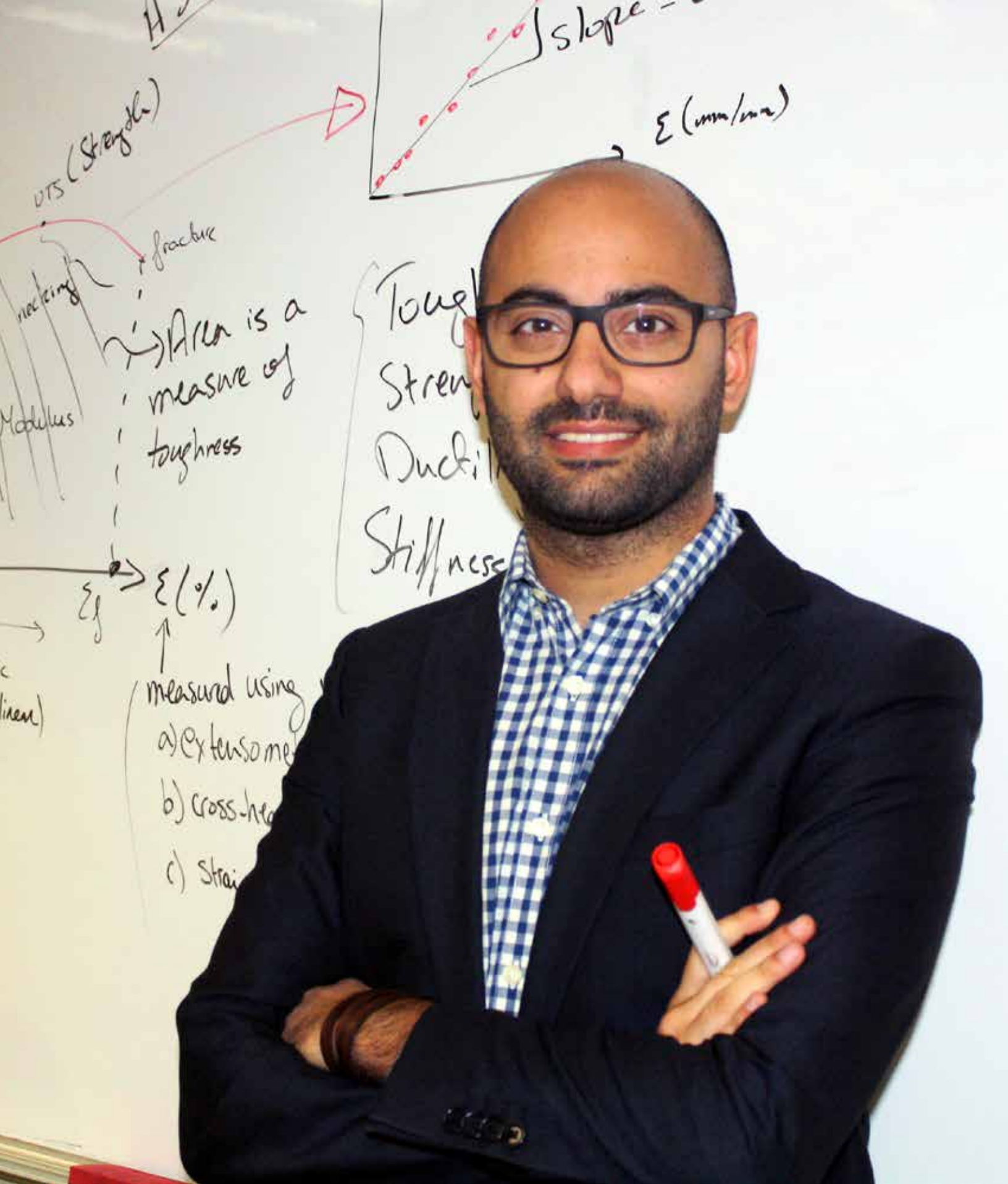
Motivated by the need for full-field experimental techniques for the stress analysis of perforated structures, Abdel-Samad's research combines analytical principles of elasticity with experimental techniques to analyze and better understand complicated structural problems. More specifically, his research efforts to date have focused on investigating and determining the full-field state of stress of perforated structures having unknown loading condition through hybridizing a variety of different NDT approaches. Such approaches include *thermoelastic stress analysis*, *photoelastic stress analysis*, and more recently *digital image correlation (DIC)*.

Abdel-Samad's latest research project was a collaborative one done on a perforated asymmetrical cooling vehicle structure utilizing DIC. The major advantage of this work was the ability to achieve full-field stress information when only a single component of displacement was physically measured. He is set to present the findings from this research project at the *Society of Experimental Mechanics'* upcoming annual conference in June 2015 in Costa Mesa, CA where he will also be serving as a chair of the *Infrared Imaging* session. Abdel-Samad and his collaborators are currently working on applying similar concepts of hybrid mechanics to unsymmetrically loaded mechanical fasteners in an effort to achieve a full-field separation of thermoelastic stresses at the complex contact region.

More recently, and along with other colleagues from RIT - Dubai, Abdel-Samad was awarded a grant from *Emirates Global Aluminum, UAE* to apply his work on nondestructive testing and evaluation to monitor corrosion levels in aluminum casting facilities; corrosion being a typical problem in such environments as a result of the continuous swing in the cooling water chemistry.

**Wael Abdel-Samad**  
Assistant Professor  
Mechanical Engineering  
RIT Dubai





**Published Conference Proceedings:** Moran, Tom. "Introducing Micronesian Stick Charts as Models of Visual Technical Communication." Proceedings of the International Professional Communication Conference (IPCC) 2014, Carnegie-Mellon University, Pittsburgh, PA, October 13-15, 2014. Ed. Peter Weiss. Pittsburgh, PA: IEEE Professional Communication Society, Web. «

**Journal Paper:** Moran, Tom. "Breathing." Stone Canoe: A Journal of Arts, Literature and Social Commentary 8. (2014): 237-240. Print. \*

*Office of Graduate Studies*

### **Jasminka Samardzija**

**Journal Paper:** Pecotiae, Marija, Vanda Bazdan, and Samardzija Jasminka. "Interior Design in Restaurants as a Factor Influencing Customer Satisfaction." RIThink Vol. 4. (2014): 10-14. Print.

*RIT Croatia*

### **Jasminka Samardzija**

**Journal Paper:** Andrijaseviae, Ana, Milena Kuznin, and Jasminka Samardzija. "Breaking the Glass Ceiling Through Self-Actualization and Performance Improvements in Croatia." RIThink Vol. 4. (2014): 3-9. Web.

**Journal Paper:** Samardzija, Jasminka. "Croatian Leaders What do they do Differently?" Magazine of the American Chamber of Commerce in Croatia, News and Views. No.1 (2014): 16-17. Print.

*RIT Dubai*

### **John Dayton**

**Published Conference Proceedings:** Dayton, John. "Agonism" in the Ancient Greek Hoplite Battle." Proceedings of the Inter-Disciplinary Conference: Play Prague, CZ Nov. 1-3, 2014. Ed. Leslie Anne Boldt. Oxford, UK: Inter-Disciplinary Press, Print. «

### **Ioannis Papaefstathiou**

**Journal Paper:** Chrysos, G., et al. "Reconfiguring the Bioinformatics Computational Spectrum: Challenges and Opportunities of FPGA-Based Bioinformatics Acceleration Platforms." IEEE Design & Test 31. 1 (2014): 62-73. Print. «

**Published Conference Proceedings:** Stratikopoulos, A., et al. "HPC-gSpan: An FPGA-based Parallel System for Frequent Subgraph Mining Problem." Proceedings of the IEEE Field Programmable Logic (FPL). Ed. Andreas Herkersdorf and Norbert Wehn. Munich, Germany: IEEE, 2014. Print. «

**Published Conference Proceedings:** Karkazis, P., et al. "Evaluation of RPL with a Transmission Count-Efficient and Trust-Aware Routing Metric." Proceedings of the IEEE International Conference on Communication (ICC). Ed. Farzad Safaei. Sydney, Australia: IEEE, 2014. Print. «

**Published Conference Proceedings:** Nikitakis, A, T. Paganos, and I. Papaefstathiou. "A Novel Embedded System for Vision Tracking." Proceedings of the IEEE Design and Test in Europe (DATE). Ed. Gerhard Fettweis and Wolfgang Nebel. Dresden, Germany: IEEE, 2014. Print. «

**Published Conference Proceedings:** Hatzivassilis, G., et al. "A Reasoning System for Composition Verification and Security Validation." Proceedings of the IEEE 6th International Conference on New Technologies, Mobility and Security (NTMS). Ed. Leon Jololian. Dubai, U.A.E.: IFIP, 2014. Web. «

**Journal Paper:** Pnevmatikatos, D., et al. "FASTER: Facilitating Analysis and Synthesis Technologies for Effective Reconfiguration." Microprocessors and Microsystems (9th November). (2014): forthcoming. Print. «



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