

# **2018 FACULTY SCHOLARSHIP REPORT**

## **DESIGN AND LAYOUT**

Nick Paulus

Keara Mangan

Katie Xue

Kat Ward

Lucy Zhang

## **PHOTOGRAPHY**

Elizabeth Torgerson-Lamark/RIT

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## **OFFICE OF THE PROVOST**

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# Letter from the Provost

RIT faculty and students continue to engage in research, pedagogical undertakings and scholarly activities that break down boundaries inside and outside the university. We graduate more Ph.D. students each year, and have now entered the second year of our doctoral university status via the Carnegie Classification of Institutions of Higher Education. Under the leadership of our new president, Dr. David Munson, Jr., we have embarked on new partnerships, and set even loftier goals for our faculty research and scholarship.

The scholarly and artistic efforts within this report continue to have a profound impact within the local communities, and contribute to the greater good our global society. This work, which ranges from making our university and our communities more sustainable, to understanding the very fabric of our universe, engages students in ways that prepare them for our ever-changing world.

Our vision for the future guides the upward trajectory of our existing disciplines and interdisciplinary programs, and provides the groundwork on which we can build new signature research areas and centers to address the challenges facing our world in the future. As we grow our graduate enrollment and to attract top students and faculty, the research and artistic efforts will only grow in number and in quality. The application of these pursuits will place our faculty and our students at the forefront of the global economy.

RIT faculty engaged in this important work establish new opportunities for the university, and prepare our students for the next stage of their careers. It is through these diverse scholarly pursuits that students and faculty are able to collaborate across disciplinary frontiers, 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 2017.



**JEREMY HAEFNER, PH.D.**

Provost and Senior Vice President for Academic Affairs  
Rochester Institute of Technology



## COMPUTER SCIENCE

### Reynold J Bailey, Associate Professor

**Published Conference Proceedings:** Alm, Cecilia Ovesdotter and Reynold Bailey. "Team-based, transdisciplinary, and inclusive practices for undergraduate research." Proceedings of the IEEE Frontiers in Education Conference (FIE), Indianapolis, IN, 2017. Ed. Jeffrey Froyd. Indianapolis, IN: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Edwards, Ashley A., et al. "Sensor-based Methodological Observations for Studying Online Learning." Proceedings of the ACM Workshop on Intelligent Interfaces for Ubiquitous and Smart Learning (SmartLearn 2017), Limassol, Cyprus. Ed. Fang Chen, Carlos Duarte, and Wai-Tat Fu. New York, NY: ACM, 2017. Web. \*

**Published Conference Proceedings:** Gangji, Aliya, et al. "Using Cocaptured Face, Gaze and Verbal Reactions to Images of Varying Emotional Content for Analysis and Semantic Alignment." Proceedings of the AAAI Conference on Artificial Intelligence - Workshop on HumanAware Artificial Intelligence (HAAI 2017). Ed. Kartik Talamadupula, Shirin Sohrabi, Biplav Srivastava, and Loizos Michael. Palo Alto, CA: AAAI, 2017. Web. \*

**Peer Reviewed/Juried Poster Presentation:** Diaz, Gabriel, et al. "Data-driven Gaze Event Classification for the Analysis of Eye and Head Coordination By Natural Task." Proceedings of the European Conference on Eye Movements, (ECOM 2017), Germany. Ed. Heiner Deubel, Ulrich Ettinger, Stefan Everling, Susanna Martinez-Conde, and Antje Nuthmann. Wuppertal, Germany: EMRA. £

### Peer Reviewed/Juried Poster Presentation:

Kothari, Rakshit, et al. "Gaze-in-World Movement Classification for Unconstrained Head Motion During Natural Tasks." Proceedings of the Vision Sciences Society Annual Meeting. Ed. Preeti Verghese. Novato, CA: Journal of Vision. £

### Ivona Bezakova, Associate Professor

**Published Conference Proceedings:** Fomin, Ivona Bezakova, Radu Curticapean, Holger Dell, Fedor V. "Finding Detours is Fixed-parameter Tractable." Proceedings of the 44th International Colloquium on Automata, Languages, and Programming (ICALP), July 10-14, 2017, Warsaw, Poland. Ed. Ioannis Chatzigiannakis, Piotr Indyk, Fabian Kuhn, Anca Muscholl. Warsaw, Poland: n.p., 2017. Web. \*

**Published Conference Proceedings:** Fluet, Zack J. Butler, Ivona Bezakova, Kimberly. "Pencil Puzzles for Introductory Computer Science: an Experience- and Gender-Neutral Context." Proceedings of the ACM SIGCSE Technical Symposium on Computer Science Education (SIGCSE), March 8-11, 2017, Seattle, WA. Ed. Michael E. Caspersen, Stephen H. Edwards, Tiffany Barnes, Daniel D. Garcia. Seattle, WA: ACM, 2017. Web. «

### Hans-Peter Bischof, Professor

**Published Conference Proceedings:** Bischof, Hans-Peter. "A Toolbox versus a Tool — a Design Approach." Proceedings of the Conference on Modeling, Simulations and Visualization Methods. Ed. Hamid R. Arabnia, Fernando G. Tinetti, Mary Yang. Las Vegas, NY: CSREA Press, 2017. Print. \*

### Joe Geigel, Professor

**Published Conference Proceedings:** Edwards, Ashley A., et al. "Sensor-based Methodological Observations for Studying Online Learning." Proceedings of the 2017 ACM Workshop on Intelligent Interfaces for Ubiquitous and Smart Learning (SmartLearn '17). Ed. Tsvika Kuflik and George A. Papadopoulos. New York, NY: ACM, 2017. Print. \*

**Journal Paper:** Schreck, Michael J, et al. "Dynamic Functional Assessment of Hand Motion Using an Animation Glove: The Effect of Stenosing Tenosynovitis." HAND. (2017): 1558944717729218. Print. \*

**Published Conference Proceedings:** Geigel, Joe. "Creating a Theatrical Experience on a Virtual Stage." Proceedings of the 14TH INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER ENTERTAINMENT TECHNOLOGY (London, UK, Dec 14-16, 2017). Ed. SAŠA ARSOVSKI and PREDRAG K NIKOLIC. London, UK: Springer, 2017. Print. \*

### Edith Hemaspaandra, Professor

**Published Conference Proceedings:** Fitzsimmons, Z. and E. Hemaspaandra. "The Complexity of Succinct Elections." Proceedings of the Thirty-First AAAI Conference on Artificial Intelligence (AAAI 2017). Ed. . San Francisco, CA: n.p., 2017. Web. «

**Journal Paper:** Hemaspaandra, E., L. Hemaspaandra, and J. Rothe. "The Complexity of Controlling Candidate-Sequential Elections." Theoretical Computer Science 678. (2017): 14-21. Print. \*

**Journal Paper:** Hemaspaandra, E., L. Hemaspaandra, and J. Rothe. "The Complexity of Online Voter Control in Sequential Elections." Journal of Autonomous Agents and Multi-Agent Systems 31. (2017): 1055–1076. Print. \*

### Hadi Hosseini, Assistant Professor

**Book Chapter:** Hartt, Maxwell and Hadi Hosseini. "The Players Point of View: Evaluating Student Perception of Game-Based Learning in Higher Education." The Power of Play in Higher Education: Creativity in Tertiary Learning. England, England: Palgrave Macmillan, 2018. forthcoming. Print. \*

**Journal Paper:** Hosseini, Hadi, Kate Larson, and Robin Cohen. "Investigating the Characteristics of One-Sided Matching Mechanisms Under Various Preferences and Risk Attitudes." Journal of Autonomous Agents and Multiagent Systems. (2018): forthcoming. Print. \*

### Peizhao Hu, Assistant Professor

**Published Conference Proceedings:** Hu, Peizhao, Sherman S.M. Chow, and Asma Aloufi. "Geosocial Query with User-Controlled Privacy." Proceedings of the ACM Conference on Security and Privacy in Wireless and Mobile Networks. Boston, MA: ACM, 2017. Web. \*

**Published Conference Proceedings:** Mao, Ying, et al. "DRAPS: Dynamic and Resource-Aware Placement Scheme for Docker Containers in a Heterogeneous Cluster." Proceedings of the IEEE 36th International Performance Computing and Communications Conference. San Diego, CA: IEEE, 2017. Web. \*

**Journal Paper:** Kasamatsu, Daisuke, Peizhao Hu, and Mohan Kumar. "An Analytical Framework for Spatio-Temporal Content Dissemination in Opportunistic Environments." Elsevier Journal of Pervasive and Mobile Computing 42. (2017): 27-44. Web. \*

**Published Conference Proceedings:** Kasamatsu, Daisuke, Mohan Kumar, and Peizhao Hu. "Service Compositions in Challenged Mobile Environments Under Spatiotemporal Constraints." Proceedings of the IEEE International Conference on Smart Computing. Hong Kong, CN: IEEE, 2017. Web. \*

# Featured Faculty

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Dr. Mehdi Mirakhorli is an Assistant Professor in the Department of Software Engineering and Center for Cybersecurity in the Golisano College of Computing and Information Sciences.

His research spans software architecture design, software security, privacy, and safety. Dr. Mirakhorli's research is mainly supported by the National Science Foundation (NSF) and the US Department of Homeland Security (DHS). He is the recipient of two ACM SIGSOFT Distinguished Paper Awards and one Best Paper Award. Furthermore, Dr. Mirakhorli has been a speaker in several technical venues such as ALTA Distinguished Speaker at Alcatel-Lucent, government-sponsored technical briefings on issues related to software security and safety as well as various academic venues.

His laboratory includes a diverse body of undergraduate, and graduate students working on the development of novel scientific techniques as well as tools to enhance software quality attributes such security, privacy, and safety.

On a current project sponsored by the US Department of Homeland Security, Dr. Mirakhorli is developing new approaches to identify architectural vulnerabilities that can open backdoors into applications. This work enhances the state of the art and practice in the area of software security as it takes an architecture-first-approach to software security. Current tools and techniques have a low-level source code based approach. However, it is difficult to achieve a high level of any system quality by focusing solely on coding. Architectural vulnerabilities can overwhelm even the most heroic coding efforts, and ignoring such issues will result in a backdoor for attackers to get access to sensitive information. Dr. Mirakhorli's work in this area is a recipient of a Best Paper Award.

In another recent project, Dr. Mirakhorli's team are collaborating with medical device industry on a Medical Device Development Tool Kit that uses artificial intelligence, data mining, and information retrieval techniques help the manufacturer demonstrate that the device is in compliance with FDA regulations, is free from risks that can lead to physical hazards. Before a medical device can be used in the clinical environment, the manufacturer must demonstrate that the device provides a medical benefit in routine clinical use, and also the device is hazard free. Demonstrating that a device is safe, and reliable systems is difficult. Certification and regulatory agencies routinely require full life-cycle traceability for the demonstration of fitness. Dr. Mirakhorli's work in this area is the recipient of ACM SIGSOFT Best Paper Award.

In another NSF funded project, Dr. Mirakhorli is collaborating with Dr. Nenad Medvidovic, professor of computer science, from the University of Southern California, Dr. Sam Malek, associate professor of computer science, from the University of California at Irvine, and Dr. Josh Garcia, Associate Scientist, from University of California at Irvine. In this project, this team of researchers is developing a Community-Wide Software Architecture Instrument (SAIN). The goal of SAIN is to enable innovative research in the domain of software engineering.

## **Dr. Mehdi Mirakhorli**

Assistant Professor

RIT Golisano College of Computing and Information Sciences







### **Minseok Kwon, Associate Professor**

#### **Peer Reviewed/Juried Poster Presentation:**

Marshall, M. Kwon, S. Vajpayee, P. Vijayaragavan, A. Dhuliya, and J. "Use of Cuckoo Filters with FD.io VPP for Software IPv6 Routing Look-up." Proceedings of the ACM SIGCOMM. Ed. ACM. Los Angeles, CA: ACM. \*

**Published Conference Proceedings:** Kwasinski, S. Umamaheswaran, S. Mamun, A. Ganguly, M. Kwon, and A. "Reducing Power Consumption of Datacenter Networks with 60GHz Wireless Server-to-Server Links." Proceedings of the IEEE Globecom. Ed. IEEE. Singapore, Singapore: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Kwon, S. Mamun, S. Umamaheswaran, S. Chandrasekaran, M. Shamim, A. Ganguly, and M. "An Energy-Efficient, Wireless Top-of-Rack to Top-of-Rack Datacenter Network using 60GHz Links." Proceedings of the IEEE GreenCom. Ed. IEEE. Exeter, UK: GreenCom, 2017. Print. \*

### **Stanislaw Radziszowski, Professor**

**Published Review:** Radziszowski, Stanislaw P. "MR3634479." Rev. of Rev. of The Monochromatic Circumference of 2-Edge-Colored Graphs, ed. AMS. Mathematical Reviews 10 Aug. 2017: MathSciNet. Web. Δ

**Published Review:** Radziszowski, Stanislaw P. "MR3668877." Rev. of Rev. of Hedgehogs Are Not Colour Blind, ed. AMS. Mathematical Reviews 6 Nov. 2017: MathSciNet. Web. Δ

**Journal Paper:** Radziszowski, Stanislaw P. "Small Ramsey Numbers." Electronic Journal of Combinatorics DS1. (2017): 104 pages. Web. Δ

**Published Conference Proceedings:** Potter, Michael, Leon Reznik, and Stanislaw P. Radziszowski. "Neural Networks and the Search for a Quadratic Residue Detector." Proceedings of the International Joint Conference on Neural Networks. Ed. IJCNN. Anchorage, AK: IEEE, 2017. Web. £

**Invited Keynote/Presentation:** Radziszowski, Stanislaw P. "Computers in Ramsey Theory; Testing, Constructions and Nonexistence." Computers in Scientific Discovery 8. CSD. Mons, Belgium. 24 Aug. 2017. Keynote Speech. Δ

### **Rajendra Raj, Professor**

**Published Conference Proceedings:** Mishra, Sumita, et al. "CyberCSP: Integrating Cybersecurity into the Computer Science Principles course." Proceedings of the 2017 IEEE Frontiers in Education Conference (FIE 2017). Ed. Melany Ciampi, et al. Indianapolis, IN: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Raj, Rajendra K, John Impagliazzo, and Allen Parrish. "Perspectives on the Future of Cybersecurity Education." Proceedings of the 2017 IEEE Frontiers in Education Conference (FIE 2017). Ed. Melany Ciampi, et al. Indianapolis, IN: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Raj, Rajendra K., et al. "Rebooting Information Technology Programs." Proceedings of the Proceedings of the 18th Annual ACM Conference on Information Technology Education. Ed. Tom Ayers and Dan Bogaard. Rochester, NY: ACM, 2017. Print. \*

**Published Conference Proceedings:** Ekstrom, Joseph J, et al. "Information Technology as a Cyber Science." Proceedings of the Proceedings of the 18th Annual ACM Conference on Information Technology Education. Ed. Tom Ayers and Dan Bogaard. Rochester, NY: ACM, 2017. Print. \*

**Published Conference Proceedings:** Alnemari, Asma, Carol Romanowski, and Rajendra K. Raj. "An Adaptive Differential Privacy Algorithm for Range Queries over Healthcare Data." Proceedings of the 2017 IEEE International Conference on Healthcare Informatics (ICHI 2017). Ed. Hiroshi Nakajima, Mollie Cummins, and Gerrit Meixner. Park City, UT: IEEE, 2017. Print. \*



**Published Conference Proceedings:** Schneider, Jennifer, et al. "Building Forward: Strategic Community Resilience." Proceedings of the 2017 IEEE International Symposium on Technologies for Homeland Security (HST 2017). Ed. Gerald R. Larocque. Boston, MA: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Raj, Rajendra K., et al. "Modeling Threats: Insider Attacks on Critical Infrastructure Assets." Proceedings of the 2017 IEEE International Symposium on Technologies for Homeland Security (HST 2017). Ed. Gerald R. Larocque. Boston, MA: IEEE, 2017. Print. \*

**Carlos Rafael Rivero Osuna, Assistant Professor**

**Journal Paper:** Rivero, Carlos R. and Hasan M. Jamil. "Efficient and Scalable Labeled Subgraph Matching Using SGMATCH." Knowledge and Information Systems 51. 1 (2017): 61-87. Print. \*

**Published Conference Proceedings:** Marin, Victor J., et al. "Automated Personalized Feedback in Introductory Java Programming MOOCs." Proceedings of the IEEE 33rd International Conference on Data Engineering (ICDE). Ed. ICDE. San Diego, California: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Nunez, Wilberto Z., Victor J. Marin, and Carlos R. Rivero. "ARCC: Assistant for Repetitive Code Comprehension." Proceedings of the 2017 11th Joint Meeting on Foundations of Software Engineering. Ed. SEC/FSE. Paderborn, Germany: ACM, 2017. Web. \*

**Published Conference Proceedings:** Jamil, Hasan M. and Carlos R. Rivero. "A Novel Model for Distributed Big Data Service Composition Using Stratified Functional Graph Matching." Proceedings of the 7th International Conference on Web Intelligence, Mining and Semantics. Amantea, Italy: ACM Digital Library, 2017. Web. \*

**DEPARTMENT OF COMPUTING SECURITY**

**H.B. Acharya, Assistant Professor**

**Published Conference Proceedings:** Acharya, H. B., et al. "The Devil's in The Details: Placing Decoy Routers in the Internet." Proceedings of the Annual Computer Security Applications Conference (ACSAC), Florida 2017. Ed. David Balenson, Juan Caballero, Jeremy Epstein. Orlando, FL: ACSAC, 2017. Print. \*

**Published Conference Proceedings:** Acharya, H. B., Devashish Gosain, and Sambuddho Chakravarty. "Few Throats to Choke: On the Current Structure of the Internet." Proceedings of the IEEE Local Computer Networks Conference, Singapore 2017. Ed. Jens Tolle, Kemal Akkaya, and Soumaya Cherkaoui. Singapore, Singapore: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Acharya, H. B., et al. "Mending Wall: On the Implementation of Censorship in India." Proceedings of the EAI International Conference on Security and Privacy in Communication Networks, Niagara Falls 2017. Ed. Imrich Chlamtac and Guofei Gu. Niagara Falls, Ontario: EAI/Springer, 2017. Web. \*

**Sumita Mishra, Associate Professor**

**Published Conference Proceedings:** Pan, Yin, Sumita Mishra, and David Schwartz. "Gamifying Cybersecurity Course Content for Entry Level Students." Proceedings of the 2017 ASEE Annual Conference & Exposition. Ed. ASEE. Columbus, OH: ASEE, 2017. Web. ~

**Journal Paper:** Mir, Darakhshan, et al. "How Do Faculty Partner While Teaching Interdisciplinary CS+X Courses: Models and Experiences." J. Comput. Sci. Coll. 32. 6 (2017): 24-33. Print. \*

**Published Conference Proceedings:** Mishra, Sumita, Rajendra K. Raj, Paul Tymann, Jamie Fagan, and Sage Miller. "CyberCSP: Integrating Cybersecurity into the Computer Science Principles Course." Proceedings of the IEEE Frontiers in Education Conference. Ed. IEEE. Indianapolis, IN: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Afrin, Sabrina and Sumita Mishra. "On the analysis of collaborative anonymity set formation (CASF) method for privacy in the smart grid (Best Paper Award)." Proceedings of the IEEE International Symposium on Technologies for Homeland Security (HST). Ed. IEEE. Waltham, MA: IEEE, 2017. Web. ~

**Published Conference Proceedings:** Schneider, Jennifer, Carol Romanowski, Sumita Mishra, Rajendra K. Raj, M. McGuinness, and B. Swartz. "Building forward: Strategic Community Resilience." Proceedings of the IEEE International Symposium on Technologies for Homeland Security (HST). Ed. IEEE. Waltham, MA: IEEE, 2017. Web. ~

**Peer Reviewed/Juried Poster Presentation:** Raj, Rajendra K., Sumita Mishra, Carol Romanowski, Jennifer Schneider, and Suhair Alshehri. "Modeling Threats: Insider Attacks on Critical Infrastructure Assets." Proceedings of the IEEE International Symposium on Technologies for Homeland Security (HST). Ed. IEEE. Waltham, MA: IEEE. ~

**Published Conference Proceedings:** Pan, Yin, Sumita Mishra, and David Schwartz. "Gamifying Course Modules for Entry Level Students." Proceedings of the 2017 ACM SIGCSE Technical Symposium on Computer Science Education (SIGCSE). Ed. ACM. New York, NY: ACM, 2017. Print. \*

#### **Yin Pan, Professor**

**Published Conference Proceedings:** Pan, Yin, Sumita Mishra, and David Schwartz. "Gamifying Cybersecurity Course Content for Entry Level Students." Proceedings of the 2017 ASEE Annual Conference & Exposition, Columbus, Ohio, June, 2017. Ed. ASEE Conference Proceeding. Columbus, Ohio: n.p., 2017. Print. \*

**Published Conference Proceedings:** Mosli, Rayan, et al. "A Behavioral-Based Approach for Malware Detection." Proceedings of the the Thirteenth IFIP WG 11.9 International Conference on Digital Forensics, Orlando, FL, 2017. Ed. IFIP WG 11.9 Conference Proceeding. Orlando, FL: Proceeding, 2017. Web. \*

**Published Conference Proceedings:** Pan, Yin, Sumita Mishra, and David Schwartz. "Gamifying Course Modules for Entry Level Students." Proceedings of the 2017 ACM Special Interest Group for Computer Science Education (SIGCSE), Seattle, Washington, 2017. Ed. SIGCSE Conference Proceeding. Seattle, Washington: n.p., 2017. Print. \*

#### **Bo Yuan, Associate Professor**

**Published Conference Proceedings:** Mosli, Rayan, et al. "A Behavioral-Based Approach for Detecting Malware." Proceedings of the the Thirteenth IFIP WG 11.9 International Conference on Digital Forensics, Orlando, FL, 2017. Ed. Gilbert Peterson and Sujeet Sheno. Orlando, FL: Springer, 2017. Print. \*

## **INFORMATION SCIENCES AND TECHNOLOGIES**

#### **Daniel Ashbrook, Assistant Professor**

**Published Conference Proceedings:** Hawthorn, Peregrine and Daniel Ashbrook. "Cyborg Pride: Self-Design in e-NABLE." Proceedings of the The 19th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS\17)), Baltimore, MD. New York, NY: ACM, 2017. Web. \*

**Published Conference Proceedings:** Rivera, Michael, et al. "Stretching the Bounds of 3D Printing with Embedded Textiles." Proceedings of the Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, Denver, CO 2017. New York, NY: ACM, 2017. Web. «

**Published Conference Proceedings:** Parry-Hill, Jeremiah, et al. "Understanding Volunteer AT Fabricators: Opportunities and Challenges in DIY-AT for Others in e-NABLE." Proceedings of the Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems, Denver, CO 2017. Ed. N/A. New York, NY: ACM, 2017. Web. «

**Full Patent:** Chen, Ke-yu and Daniel Ashbrook. "Computing System with Command-Sense Mechanism and Method of Operation Thereof." U.S. Patent US9733714 B2. 15 Aug. 2017.

**Journal Editor:** Ashbrook, Daniel, Tom Yeh, and Shaun Kane, ed. ACM Transactions on Accessible Computing Special Issue on Fabrication Technologies and Do-It-Yourself Accessibility. New York: ACM, 2017. Web.

**Invited Keynote/Presentation:** Ashbrook, Daniel. "Democratizing Digital Fabrication." Invited Seminar Speaker. Indiana University Purdue University Indianapolis. Indianapolis, IN. 5 Apr. 2017. Lecture.

**Invited Keynote/Presentation:** Ashbrook, Daniel. "Democratizing Digital Fabrication." Invited Seminar Speaker. Indiana University Bloomington. Bloomington, IN. 6 Apr. 2017. Lecture.

**Invited Keynote/Presentation:** Ashbrook, Daniel. "Improving Interaction Speed with Mobile Devices." Artificial Intelligence Seminar. Rochester Institute of Technology. Rochester, NY. 4 Dec. 2017. Lecture.

#### **Catherine I Beaton, Associate Professor**

**Published Conference Proceedings:** Beaton, Catherine and Ronald, P. Vullo, Ph.D. "Don't Push that Button!!" Proceedings of the CEPE/ETHICOMP June 2017, Torino Italy. Ed. Bernd Stahl. Leicester, UK: Orbit, 2017. Web. \*

#### **Dan Bogaard, Associate Professor**

**Published Conference Proceedings:** French, Bryan, Daniel Bogaard, and Stephen Zilora. "Shaping a Wearable and Ubiquitous Computing Curriculum." Proceedings of the SIGITE/RIIT 2017. Ed. ACM. ROCHESTER, NY: ACM Digital Library, 2017. Web. «

#### **Erik Golen, Visiting Assistant Professor**

**Published Conference Proceedings:** Nozaki, Yoshihiro, Erik Golen, and Nirmala Shenoy. "A Modular Architecture for Scalable Inter-Domain Routing." Proceedings of the IEEE Computing and Communication Workshop and Conference, January 9-11, 2017. Las Vegas, NV. Ed. IEEE. New York, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Herlihy, Liam, et al. "Secure Communication and Signal Processing in Inertial Navigation Systems." Proceedings of the IEEE Electronics and Nanotechnology, April 18-20, 2017. Kyiv, Ukraine. Ed. IEEE. New York, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Golen, Erik F., et al. "The GENI Test Automation Framework for New Protocol Development." Proceedings of the 3rd International Conference on Future Network Systems and Security, August 31-September 2, 2017. Gainesville, FL. Ed. Springer. New York, NY: Springer, Print. \*

**Published Conference Proceedings:** Kang, Jai, Qi Yu, and Erik Golen. "Teaching IoT (Internet of Things) Analytics." Proceedings of the ACM SIG-ITE 2017, October 4-7, 2017. Rochester, NY. Ed. ACM. New York, NY: ACM, Print. «

#### **Vicki L Hanson, Professor**

**Journal Paper:** Nicolau, Hugo, et al. "Investigating Laboratory and Everyday Typing Performances of Blind Users." ACM Transactions on Accessible Computing 10. 1 (2017): 26 pages. Print. £

#### **National/International Competition Award**

**Winner:** Hanson, Vicki L. Newcastle University. Honorary Doctor of Science Degree. Newcastle, UK, 2017.

#### **National/International Competition Award**

**Winner:** Hanson, Vicki L. ACM Special Interest Group of Human-Computer Interaction. Election to ACM CHI Academy. Denver, CO, 2017.

#### **National/International Competition Award**

**Winner:** Hanson, Vicki L. Data Science Institute, Lancaster University. Visiting Professor. Lancaster, UK, 2017.

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." Heidelberg Laureate Forum. Klaus Tschira Stiftung and the Heidelberg Laureate Foundation. Heidelberg, Germany. 24 Sep. 2017. Address.

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." China National Computing Congress. China Computer Federation. Fuzhou, China. 24 Oct. 2017. Address.

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." International Collegiate Programming Contest (ACM ICPC). ICPC. Rapid City, SD. 23 May 2017. Address.

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." Supercomputing. ACM SIGHPC. Denver, CO. 16 Nov. 2017. Address.

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." CHI conference. ACM Special Interest Group in HCI. Denver, CO. 5 May 2017. Address.

**Invited Keynote/Presentation:** Hanson, Vicki L. "Transformation on the Horizon." AI for Good Global Summit. United Nations - ITU. Geneva, Switzerland. 7 Jun. 2017. Address. Δ

**Invited Keynote/Presentation:** Hanson, Vicki L. "Women in IT Panel." China National Computing Congress. China Computer Federation. Fuzhou, China. 26 Oct. 2017. Address. Δ

**Invited Keynote/Presentation:** Hanson, Vicki L. "Advancing Computing as a Science and a Profession." Women in Computing. ACM-W. Rochester, NY. 22 Apr. 2017. Keynote Speech. Δ

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." SIGITE conference. ACM SIGITE. Rochester, NY. 5 Oct. 2017. Address. Δ

**Invited Keynote/Presentation:** Hanson, Vicki L. "ACM President's Address." Grace Hopper Celebration of Women in Computing. AnitaB.org. Orlando, FL. 4 Oct. 2017. Address. Δ

**Invited Article/Publication:** Hanson, Vicki L. "ACM's Commitment to Accessibility." Communications of the ACM. (2017). Print.

**Invited Article/Publication:** Hanson, Vicki L. "Celebrating 50 years of the Turing Award." Communications of the ACM. (2017). Print.

**Invited Article/Publication:** Hanson, Vicki L. "The ACM Future of Computing Academy." Communications of the ACM. (2017). Print.

**Invited Article/Publication:** Hanson, Vicki L. "Celebrating 50 Years of the ACM Turing Award." Information Processing Society of Japan Newsletter. (2017). Print. Δ

**Peer Reviewed/Juried Poster Presentation:** Palan, Nidhi R., et al. "Teaching Inclusive Thinking in Undergraduate Computing." Proceedings of the ASSETS. Ed. SIGACCESS. New York, NY: ACM. £

**Peer Reviewed/Juried Poster Presentation:** Miller, Ashley, et al. "The Use of Smart Glasses for Lecture Comprehension by Deaf and Hard of Hearing Students." Proceedings of the ACM CHI. Ed. SIGCHI. Denver, CO: ACM. £

**Published Conference Proceedings:** Simpson, M, et al. "A Platform for the Analysis of Qualitative and Quantitative Data About the Built Environment and Its Users." Proceedings of the IEEE 13th International Conference on e-Science. Ed. IEEE. New York, NY: IEEE, 2017. Print. \*

**Invited Keynote/Presentation:** Hanson, Vicki L. "To Accessibility and Beyond." University Address. Newcastle University. Newcastle Upon Tyne, United Kingdom. 11 Jul. 2017. Address. Δ

#### **Lawrence W Hill, Associate Professor**

**Published Conference Proceedings:** Hill, Lawrence. "Enterprise Computing—System-Level Thinking, Much More Than an IT Data Focus, and Pedagogical and Career Imperatives to Include Such Topics in IT Curricula." Proceedings of the Enterprise Computing Community (ECC) 2017. Ed. MaryAnn Hoffman. Poughkeepsie, NY: Marist College, 2017. Web. \*



## **Matt Huenerfauth, Associate Professor**

**Journal Paper:** Kacorri, Hernisa, et al. "Regression Analysis of Demographic and Technology-Experience Factors Influencing Acceptance of Sign Language Animation." ACM Transactions on Accessible Computing 10. 1 (2017): 1-33. Print. \*

**Journal Paper:** Huenerfauth, Matt, et al. "Evaluation of Language Feedback Methods for Student Videos of American Sign Language." ACM Transactions on Accessible Computing 10. 1 (2017): 1-30. Print. \*

**Journal Paper:** Rathbun, Kevin, et al. "Eye Movements of Deaf and Hard of Hearing Viewers of Automatic Captions." Journal on Technology and Persons with Disabilities 5. (2017): 130-140. Web. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 10, Issue 4. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 10, Issue 3. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 10, Issue 2. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 10, Issue 1. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 9, Issue 4. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 9, Issue 3. New York, NY, USA: ACM, 2017. Print. \*

**Journal Editor:** Huenerfauth, Matt and Kathleen F. McCoy, ed. ACM Transactions on Accessible Computing (TACCESS) journal, Volume 9, Issue 2. New York, NY, USA: ACM, 2017. Print. \*

**Journal Paper:** Kafle, Sushant and Matt Huenerfauth. "Evaluating the Usability of Automatically Generated Captions for People who are Deaf or Hard of Hearing." Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility. (2017): 165-174. Web. «

**Journal Paper:** Huenerfauth, Matt, Kasmira Patel, and Larwan Berke. "Design and Psychometric Evaluation of an American Sign Language Translation of the System Usability Scale." Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility. (2017): 175-184. Web. «

**Journal Paper:** Berke, Larwan, Christopher Caulfield, and Matt Huenerfauth. "Deaf and Hard-of-Hearing Perspectives on Imperfect Automatic Speech Recognition for Captioning One-on-One Meetings." Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility. (2017): 155-164. Web. «

## **National/International Competition Award**

**Winner:** Huenerfauth, Matt. ACM Association for Computing Machinery. Distinguished Member. New York, NY, 2017. \*

## **National/International Competition Award**

**Winner:** Kafle, Sushant and Matt Huenerfauth. The 19th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS'17). SIGACCESS Best Paper Award. Baltimore, MD, 2017. «

## **External Scholarly Fellowships/National Review Committee:**

2/1/2017 -

2/1/2018

Google Faculty Research Awards Program  
Amount: \$56,902

\*

**Journal Paper:** Albusays, Khaled, Stephanie Ludi, and Matt Huenerfauth. "Interviews and Observation of Blind Software Developers at Work to Understand Code Navigation Challenges." Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility. (2017): 91-100. Web. «

**Peer Reviewed/Juried Poster Presentation:** Palan, Nidhi Rajendra, et al. "Teaching Inclusive Thinking in Undergraduate Computing." Proceedings of the Proceedings of the 19th International ACM SIGACCESS Conference on Computers and Accessibility. Ed. A. Hurst, L. Findlater, M. Morris. New York, NY: ACM. \*

**Peer Reviewed/Juried Poster Presentation:** Berke, Larwan and Matt Huenerfauth. "Displaying Confidence from Imperfect Automatic Speech Recognition for Captioning." Proceedings of the Effective Access Technologies Conference. Ed. D. Phillips. Rochester, NY: n.p.. £

**External Scholarly Fellowships/National Review Committee:**

7/1/2017 -  
7/1/2018  
Hearing Health Foundation  
Amount: \$23,616  
\*

**External Scholarly Fellowships/National Review Committee:**

9/1/2017 -  
8/31/2020  
National Science Foundation Graduate Research Fellowship (NSF-GRF)  
Amount: \$138,000  
\*

**Invited Keynote/Presentation:** Huenerfauth, Matt. "Linguistic and Assistive Technologies for People with are Deaf and Hard of Hearing." Hot Topics Speaker Series. RIT-RISE Scientists in Training Program for Deaf and Hard-of-Hearing Undergraduates at the Rochester Institute of Technology. Rochester, NY. 19 Sep. 2017. Lecture.

**Invited Keynote/Presentation:** Huenerfauth, Matt. "Linguistic and Assistive Technologies for People with are Deaf and Hard of Hearing." GCCIS Research Showcase. Thomas B. Golisano College of Computing and Information Sciences, Rochester Institute of Technology. Rochester, NY. 28 Apr. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Huenerfauth, Matt. "Learning from Human Movements to Create Accurate Sign Language Animations." Move 78 Seminar on Artificial Intelligence. Rochester Institute of Technology. Rochester, NY. 27 Mar. 2017. Guest Lecture.

**Peer Reviewed/Juried Poster Presentation:** Al-khazraji, Sedeeq and Matt Huenerfauth. "Modeling the Speed and Timing of American Sign Language to Generate Animations." Proceedings of the Effective Access Technologies Conference. Ed. D. Phillips. Rochester, NY: n.p.. £

**Peer Reviewed/Juried Poster Presentation:** Albusays, Khaled, Matt Huenerfauth, and Stephanie Ludi. "Towards a Better Understanding of Code Navigation Challenges Faced by Developers with Visual Impairments: Requirements Elicitation Study." Proceedings of the Effective Access Technologies Conference. Ed. D. Phillips. Rochester, NY: n.p.. £

**Peer Reviewed/Juried Poster Presentation:** Kafle, Sushant and Matt Huenerfauth. "Effect of Speech Recognition Errors on Text Understandability for People who are Deaf or Hard of Hearing." Proceedings of the Effective Access Technologies Conference. Ed. D. Phillips. Rochester, NY: n.p.. £

**Invited Keynote/Presentation:** Kafle, Sushant and Matt Huenerfauth. "Modeling the Effect of Speech Recognition Errors on Text Understandability for People who are Deaf or Hard of Hearing." Move 78 Retreat on Artificial Intelligence. Rochester Institute of Technology. Rochester, NY. 17 Feb. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Berke, Larwan, et al. "Creating a Training Dataset for an Automatic Educational Feedback System for American Sign Language Students." Move 78 Retreat on Artificial Intelligence. Rochester Institute of Technology. Rochester, NY. 17 Feb. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Al-khazraji, Sedeeq and Matt Huenerfauth. "Modeling the Speed and Timing of American Sign Language to Generate Animations." Move 78 Retreat on Artificial Intelligence. Rochester Institute of Technology. Rochester, NY. 17 Feb. 2017. Conference Presentation.

**Peer Reviewed/Juried Poster Presentation:** Berke, Larwan, et al. "Creating a Training Dataset for an Automatic Educational Feedback System for American Sign Language Students." Proceedings of the Effective Access Technologies Conference. Ed. D. Phillips. Rochester, NY: n.p.. £

**Peer Reviewed/Juried Poster Presentation:** Kacorri, Hernisa and Matt Huenerfauth. "Continuous Profile Models in ASL Syntactic Facial Expression Synthesis." Proceedings of the The 11th Annual Machine Learning Symposium, New York Academy of Sciences, New York, NY, USA. Ed. M. Mohri et al. New York, NY: n.p.. \*

#### **National/International Competition Award**

**Winner:** Huenerfauth, Matt, Kasmira Patel, and Larwan Berke. The 19th International ACM SIG-ACCESS Conference on Computers and Accessibility (ASSETS'17). SIGACCESS Best Paper Award Nominee. Baltimore, MD, 2017. «

**Invited Keynote/Presentation:** Berke, Larwan, et al. "Making the Best of Imperfect Automatic Speech Recognition for Captioning One-on-One Meetings." NTID Scholarship Symposium. National Technical Institute for the Deaf. Rochester, NY. 12 Jan. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Elliot, Lisa, et al. "Communication Strategies in the Workplace Survey." NTID Scholarship Symposium. National Technical Institute for the Deaf. Rochester, NY. 12 Jan. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Stinson, Michael, et al. "Field Study of Using Automatic Speech Recognition to Facilitate Communication between Deaf Students and Hearing Customers." NTID Scholarship Symposium. National Technical Institute for the Deaf. Rochester, NY. 12 Jan. 2017. Conference Presentation. £

#### **Jai W Kang, Associate Professor**

**Published Conference Proceedings:** Kang, Jai W., Qi Yu, and Erik Golen. "Teaching IoT (Internet of Things) Analytics." Proceedings of the ACM Conference on IT Education/IT Research SIG-ITE'17, October 4–7, 2017, Rochester, NY, USA. Ed. Dan Bogaard and Tom Ayers. New York, NY: ACM (Association for Computing Machinery), 2017. Web. «

#### **Kristina Marasovic**

**Published Conference Proceedings:** Šarić, Andrej, Branko Mihaljević, and Kristina Marasović. "Making a Smart City Even More Intelligent Using Emergent Property Methodology." Proceedings of the International Convention on Information and Communication Technology, Electronics and Microelectronics - MIPRO. Ed. Petar Biljanović. Rijeka, Croatia: Croatian Society for Information and Communication Technology, Electronics and Microelectronics - MIPRO, 2017. Print. \*

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

**Journal Paper:** Jeong, Jaehoon Paul, et al. "Protocols and Applications in Vehicular Sensor Networks for Driving Safety, Driving Efficiency, and Data Services." International Journal of Distributed Sensor Networks 13. (2017): 3. Web. \*

**Invited Keynote/Presentation:** Oh, Tae. "Android and IoT Malware Detection System." KOCSEA 2017. KOCSEA. Las Vegas, NV. 11 Nov. 2017. Conference Presentation. Δ

**Invited Article/Publication:** Jadhav, Suyash, et al. "Increasing Efficiency of Android Malware Analysis." UKC 2017. (2017). Web. \*

**Journal Paper:** Jeong, Jaehoon, et al. "STMAC: Spatio-Temporal Coordination-Base MAC Protocol for Driving Safety in Urban Vehicular Networks." IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS. (2017): 17. Web. \*

**Published Conference Proceedings:** Margolis, Joel, et al. "An In-Depth Analysis of the Mirai Botnet." Proceedings of the IEEE International Conference on Software Security and Assurance. Ed. IEEE. Altoona, PA: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Oh, Tae (Tom), et al. "The Roles of IT Education in IoT and Data Analytics." Proceedings of the ACM SIGITE 2017. Ed. ACM. Rochester, NY: ACM, 2017. Web. \*

**Peer Reviewed/Juried Poster Presentation:** Margolis, Joel, et al. "Analysis and Impact of IoT Malware: Mirai, Imej and The Moon." Proceedings of the ACM SIGITE 2017. Ed. ACM. New York, NY: ACM. \*

**Published Conference Proceedings:** Jadhav, Suyash, Tae Tom Oh, and Jaehoon Paul Jeong. "An Assistive System for Android Malware Analysis to Increase Malware Analysis Efficiency." Proceedings of the 2017 31st International Conference on Advanced Information Networking and Applications Workshops (WAINA). Ed. IEEE. Piscataway, NJ: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Mugabargira, Bien Aime, et al. "Design and Implementation of Vehicular Network Simulator for Data Forwarding Scheme Evaluation." Proceedings of the 2017 31st International Conference on Advanced Information Networking and Applications Workshops (WAINA). Ed. IEEE. Piscataway, NJ: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Jeong, Junsik, et al. "TOMS: TCP Context Migration Scheme for Efficient Data Services in Vehicular Networks." Proceedings of the 2017 31st International Conference on Advanced Information Networking and Applications Workshops (WAINA). Ed. IEEE. Piscataway, NJ: IEEE, 2017. Web. \*

**Invited Paper:** Jeong, Jaehoon Paul, et al. "IP-based Vehicular Networking: Use Cases, Survey and Problem Statement." IETF: draft-ietf-ip-wave-vehicular-networking-01. (2017). Web. \*

**Invited Paper:** Jeong, J., et al. "Problem Statement for IP Wireless Access in Vehicular Environments." IETF: draft-jeong-ipwave-problem-statement-00. (2017). Web. \*

#### **Brian Tomaszewski, Associate Professor**

**Journal Paper:** Tomaszewski, Brian, Jean Laurent Martin, and Yusef Hamad. "GIS for Refugees, by Refugees." ArcNews 39. (2017): 4-5. Print.

**Published Conference Proceedings:** Mooney, Daniel, Brian Tomaszewski, and Bryan French. "Development of a Block Level Geovisualization Tool of Zaatari Refugee Camp Community Asset Data." Proceedings of the IEEE Global Humanitarian Technology Conference (GHTC). Ed. Paul Cunningham. San Jose, CA: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Tomaszewski, Brian. "Teaching Spatial Thinking Skills with Drones: A Flipped Approach." Proceedings of the Association of American Geographers Annual Conference. Ed. AAG. Boston, MA: AAG, 2017. Web. \*

**Published Conference Proceedings:** Tomaszewski, Brian, et al. "Using Geographic Information Systems (GIS) in Za'atari Refugee Camp, Jordan for Refugee Community Information Management and Mobilization: The RefuGIS Project." Proceedings of the IEEE Global Humanitarian Technology Conference (GHTC). Ed. Paul Cunningham. San Jose, CA: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Wronko, Elizabeth, et al. "Geospatial Risk Analysis and Freshwater Ecotoxicity Assessment of Potential Nanomaterial Release in the Great Lakes Region." Proceedings of the Engineering Sustainability 2017 Innovation and the Triple Bottom Line Conference. Pittsburgh, PA: AASHE, 2017. Web. \*



**Published Conference Proceedings:** Wronko, Elizabeth, et al. "Geospatial and Toxicity Assessment of Carbon Nanomaterial Release." Proceedings of the ISIE-ISSST 2017 Conference: Science in Support of Sustainable and Resilient Communities. Chicago, IL: ISIE-ISSST, 2017. Web. \*

**Published Conference Proceedings:** Tomaszewski, Brian and David I. Schwartz. "Critical Spatial Thinking and Serious Geogames: A Position." Proceedings of the AGILE 2017 Workshop on Geogames and Geoplay. Ed. AGILE. Wageningen, the Netherlands: AGILE, 2017. Web. \*

**External Scholarly Fellowships/National Review Committee:**

5/30/2017 -

5/31/2017

National Science Foundation Office of International Science and Engineering (OISE)  
Amount: \$3000

\*

**External Scholarly Fellowships/National Review Committee:**

4/15/2017 -

4/17/2017

National Institute of Standards and Technology (NIST) - Public Safety Innovation Accelerator Program

Amount: \$2000

\*

**Ronald P Vullo, Associate Professor**

**Peer Reviewed/Juried Poster Presentation:**

Ph.D, Vullo, Ronald P., "DIY VR: Exploring AR." Proceedings of the Frameless Labs VR/AR Symposium. Ed. Frameless Labs. Rochester, NY: RIT. £

**Published Conference Proceedings:** M.I.T.E., Beaton, Catherine I. (Irving), and Ronald P. Vullo, Ph.D. "The Evolution of Social Machines Towards (Semi)Autonomous Collaborative Systems." Proceedings of the Ethicomp/CEPE (Computer Ethics Philosophical Enquiry). Turin, Italy: CEPE/Ethicomp, 2017. Print. \*

**Published Conference Proceedings:** Ph.D., Vullo, Ronald P., and Michelle A. Catalfamo. "Dynamically Generating Virtual Reality Scenes Using Molly and A-Frame." Proceedings of the International Conference on Internet Computing and Internet of Things. Ed. Hamid R. Arabnia, Leonidas Deligiannidis, Fernando G. Tinetti. Las Vegas, NV: CSREA Press, 2017. Print. \*

**Qi Yu, Associate Professor**

**Journal Paper:** Liu, Xumin, et al. "Statistical Learning of Domain-Specific Quality-of-Service Features from User Reviews." ACM Transactions on Internet Technology 17. 2 (2017): 22:1-22:24. Print. \*

**Journal Paper:** Wang, Hongbign, et al. "Integrating Reinforcement Learning with Multi-Agent Techniques for Adaptive Service Composition." ACM Transactions on Autonomous and Adaptive Systems 12. 2 (2017): 8:1-8:42. Print. \*

**Journal Paper:** Wang, Hongbing, et al. "Combining Quantitative Constraints with Qualitative Preferences for Effective Non-functional Properties-aware Service Composition." Journal of Parallel and Distributed Computing 100. (2017): 71-84. Print. \*

**Journal Paper:** Bouguettaya, Athman, et al. "A Service Computing Manifesto: The Next 10 Years." Communications of ACM 60. 4 (2017): 64-72. Print. \*

**Published Conference Proceedings:** Guo, Xuan, et al. "Modeling Physicians' Utterances to Explore Diagnostic Decision-making." Proceedings of the Twenty-Sixth International Joint Conference on Artificial Intelligence. Ed. Carles Sierra. Melbourne, Australia, NA: IJCAI, 2017. Print. \*

**Published Conference Proceedings:** Shi, Weishi, Xumin Liu, and Qi Yu. "Correlation-Aware Multi-Label Active Learning for Web Service Tag Recommendation." Proceedings of the 2017 IEEE International Conference on Web Services. Ed. Ilkay Altintas and Shiping Chen. New York, NY: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Peng, Shunshun, Hongbing Wang, and Qi Yu. "Estimation of Distribution with Restricted Boltzmann Machine for Adaptive Service Composition." Proceedings of the 2017 IEEE International Conference on Web Services. Ed. Ilkay Altintas and Shiping Chen. New York, NY: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Wang, Hongbing, Zhengping Yang, and Qi Yu. "Online Reliability Prediction via Long Short Term Memory for Service-Oriented Systems." Proceedings of the 2017 IEEE International Conference on Web Services. Ed. Ilkay Altintas and Shiping Chen. New York, NY: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Wang, Hongbing, et al. "Large-Scale and Adaptive Service Composition Using Deep Reinforcement Learning." Proceedings of the Service-Oriented Computing - 15th International Conference. Ed. E. Michael Maximilien. New York, NY: Springer, 2017. Print. \*

**Published Conference Proceedings:** Kang, Jai, Qi Yu, and Erik Golen. "Teaching IoT (Internet of Things) Analytics." Proceedings of the Proceedings of the 18th Annual Conference on Information Technology Education. Ed. Thomas Ayers and Daniel Bogaard. Rochester, NY: ACM, 2017. Print. \*

#### **Steve Zilora, Associate Professor**

**Published Conference Proceedings:** French, Bryan, Daniel Bogaard, and Stephen Zilora. "Shaping a Wearable and Ubiquitous Computing Curriculum." Proceedings of the SIGITE 2017 Annual Conference, October 2017, Rochester NY. Ed. ACM. New York, NY: ACM, 2017. Print. «

## **PHD PROGRAM**

#### **Rui Li, Visiting Assistant Professor**

**Published Conference Proceedings:** Li, Rui, Jared Curhan, and M. Ehsan Hoque. "Understanding Social Interpersonal Interaction via Synchronization Templates of Facial Events." Proceedings of the AAAI 2018. Ed. Carol Hamilton. New Orleans, Louisiana: AAAI, 2018. Print. «

**Published Conference Proceedings:** Guo, Xuan, et al. "Modeling Physicians' Utterances to Explore Diagnostic Decision-making." Proceedings of the IJCAI 2017. Ed. Fahiem Bacchus. Melbourne, Australia: IJCAI, 2017. Print. «

#### **Linwei Wang, Associate Professor**

**Journal Paper:** Dhamala, Jwala, et al. "Spatially-Adaptive Multi-Scale Optimization for Local Parameter Estimation in Cardiac Electrophysiology." IEEE Transactions on Medical Imaging 36. 9 (2017): 1966-1978. Web. \*

**Journal Paper:** Dhamala, Jwala, et al. "Quantifying the Uncertainty in Model Parameters Using Gaussian Process based Markov Chain Monte Carlo: An Application to Cardiac Electrophysiological Models." Quantifying the Uncertainty in Model Parameters using Gaussian Process based Markov Chain Monte Carlo: An Application to Cardiac Electrophysiological Models 10265. (2017): 223-235. Print. «

**Journal Paper:** Ghimire, Sandesh, et al. "Variational Approach to Sparse Error Estimation in Cardiac Electrophysiological Imaging, In M. Descoteaux, L. Maier-Hein, A. Franz, P. Jannin, D. L. Collins, and S. Duchesne (Eds), Medical Image Computing and C." Medical Image Computing and Computer-Assisted Intervention 10434. (2017): 745-753. Web. «

**Journal Paper:** Chen, Shuhang, et al. "Disentangling Inter-subject Variations: Automatic Localization of Ventricular Tachycardia Origin from 12-lead Electrocardiograms." International Symposium on Biomedical Imaging. (2017): 7950596. Web. \*

**Journal Paper:** Edwards, Ashley A., et al. "Sensor-based Methodological Observations for Studying Online Learning." 2017 ACM Workshop on Intelligent Interfaces for Ubiquitous and Smart Learning (SmartLearn). (2017): 25-30. Web. «

**Journal Paper:** Gyawali, Prashna, et al. "Automatic Coordinate Prediction of the Exit of Ventricular Tachycardia from 12-Lead Electrocardiogram." *Computing in Cardiology*. (2017): in press. Web. \*

**Journal Paper:** Gharbia, Omar, et al. "Electrical and Anatomical Imaging of Arrhythmogenic Substrates for Scar-related Ventricular Tachycardia." *Computing in Cardiology*. (2017): in press. Web. \*

**Journal Paper:** Ghimire, Sandesh, et al. "Overcoming Barriers to Quantification and Comparison of Electrocardiographic Imaging Methods: A Community - Based Approach." *Computing in Cardiology*. (2017): in press. Web. \*

**Journal Paper:** Ghimire, Sandesh and Linwei Wang. "L<sub>0</sub> Norm Based Sparse Regularization for Non-invasive Infarct Detection Using ECG Signal." *Computing in Cardiology*. (2017): in press. Web. \*

**Journal Paper:** Coppola, Erin, et al. "Atrial Fibrillation Classification from a Short Single Lead CG Recording Using Hierarchical Classification." *Computing in Cardiology*. (2017): in press. Print. \*

**Journal Editor:** Wang, Linwei, Maria S Guillem, and Carlos Figuerra, ed. *Frontiers in Physiology*. : Frontiers, 2017. Web.

## SCHOOL OF INTERACTIVE GAMES AND MEDIA

### Adrienne Decker, Assistant Professor

**Journal Editor:** Decker, Adrienne and Kurt Eiselt, ed. *IEEE Computing in Science and Engineering: Best of RESPECT*. New York: IEEE, 2017. Print. \*

**Invited Paper:** Decker, Adrienne, Andrew Phelps, and Christopher A. Egert. "Disappearing Happy Little Sheep: Changing the Culture of Computing Education by Infusing the Cultures of Games and Fine Arts." *Educational Technology*. (2017). Print. Δ

**Book Chapter:** Decker, Adrienne, Andrew Phelps, and Christopher A. Egert. "Trial by a Many-Colored Flame: A Multi-Disciplinary, Community-Centric Approach to Digital Media and Computing Education." *New Directions for Computing Education: Embedding Computing Across Disciplines*. Ed. Samuel B. Fee, Amanda Holland-Minkley, and Thomas E. Lombardi. Cham, SW: Springer, 2017. 237-257. Print. \*

### External Scholarly Fellowships/National Review Committee:

8/1/2017 -

7/31/2020

National Science Foundation

Amount: \$33,140

\*

**Published Conference Proceedings:** Maxim, Bruce R., Stein Brunvand, and Adrienne Decker. "Use of Role-play and Gamification in a Software Project Course." *Proceedings of the Frontiers in Education 2017 (Indianapolis, IN)*. Ed. FIE. New York, NY: n.p., 2017. Print. \*

**Published Conference Proceedings:** Decker, Adrienne and Monica M. McGill. "Pre-College Computing Outreach Research: Towards Improving the Practice." *Proceedings of the 48th ACM Technical Symposium on Computer Science Education (SIGCSE 2017)*, [Seattle, WA]. Ed. SIGCSE. New York, NY: Association for Computing Machinery, 2017. Print. «

### Christopher Egert, Associate Professor

**Book Chapter:** Decker, Adrienne, Andrew Phelps, and Christopher Egert. "Trial by a Many-Colored Flame: A Multi-Disciplinary, Community-Centric Approach to Digital Media and Computing Education." *New Directions for Computing Education: Embedding Computing across Disciplines*. Ed. S. Fee, A. Holland-Minkley, and T. Lombardi. Cham, Switzerland: Springer, 2017. 237-257. Print. \*

**Journal Paper:** Decker, Adrienne, Andrew Phelps, and Christopher Egert. "Disappearing Happy Little Sheep." *EdTech: Focus on K-12* 57. 2 (2017): 50-54. Print. \*

#### **Owen A Gottlieb, Assistant Professor**

**Invited Keynote/Presentation:** Gottlieb, Owen. "Playing with Time: Teaching Jewish History with Games and Simulations in the Digital Age." National Educators Institute: The Art and Science of Teaching Jewish History in America. National Museum of American Jewish History. Philadelphia, PA. 13 Jul. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Gottlieb, Owen. "New Design Principles for Mobile History Games." Games Learning Society 12. GLS. Madison, WI. 17 Aug. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Gottlieb, Owen. "Purple Blocks and Trade-Offs: Games Design and Learning Medieval Religious Law." Research Group on Games, Simulations, and Conflicts. Duke University. Durham, North Carolina. 17 Mar. 2017. Lecture. Δ

**Published Conference Proceedings:** Amidon, Owen Gottlieb, Dakota Herold, Edward. "Card Tricks: A Workflow for Scalability and Dynamic Content Creation Using Paper2D and Unreal Engine 4." Proceedings of the Foundations of Digital Games. Ed. Deterding, Canossa, Harteveld. Cape Cod, Massachusetts: FDG, 2017. Web. \*

**Published Conference Proceedings:** Gottlieb, Owen. "New Design Principles for Mobile History Games." Proceedings of the Games Learning Society 12. Ed. Slater, S and Barany, A. Pittsburgh, PA: ETC Press, 2017. Web. \*

**Published Conference Proceedings:** Gottlieb, Owen and Crystle Martin (University of California, Irvine). "Building a Network for Early Career Scholars of Games and Learning." Proceedings of the Games Learning Society 12. Ed. Slater, S. and Barany, A. Pittsburgh, PA: ETC Press, 2017. Web. Δ

**Invited Keynote/Presentation:** Gottlieb, Owen. "Learning Game Mechanics for Teaching Legal Codes." NRJE/ASSJ. Brandeis University. Waltham, Massachusetts. 5 Jun. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Gottlieb, Owen and Ian Schreiber. "Implications of Abstraction in Learning Mechanics." Irish Conference on Game Based Learning. University College Cork. Cork, Ireland. 23 Jun. 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Gottlieb, Owen. "Finding Medieval Authenticity through Game Design: Lost & Found as Locus of Learning." Medieval Ages in the Modern World Conference (The MAMO. University of Manchester. Manchester, England. 30 Jun. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Gottlieb, Owen. "People of the Game: Jewish Heritage, Learning, and Cultures of Play." Annual Henry Samuel Levinson Emerging Scholar in Jewish Intellectual History Lecture. University of North Carolina at Greensboro. Greensboro, North Carolina. 23 Oct. 2017. Lecture. Δ

**Journal Paper:** Gottlieb, Owen. "Introduction: Jewish Gamevironments – Exploring Understanding with Playful Systems." *Gameenvironments* 7. Special Issue: Gameenvironments (2017): 1-4. Web. ~

**Journal Editor:** Editor, Owen Gottlieb, special issue, ed. *Gameenvironments*. Bremen, Germany: University of Bremen, 2017. Web. \*

**Published Game, Application or Software:** Gottlieb, Owen, Ian Schreiber, and Kelly Murdoch Kitt. *Lost & Found*. Game. MAGIC Spell Studios. 2017.

**Book Chapter:** Gottlieb, Owen. "Design-Based Research: Mobile Gaming for Learning Jewish History, Tikkun, Olam, and Civics." *Methods for Studying Video Games and Religion*. Ed. Vit Sisler, Kerstin Radde-Antweiler, and Xenia Zeiler. New York, NY: Routledge, 2017. 83-100. Print. \*



**Published Game, Application or Software:**

Gottlieb, Owen, Ian Schreiber, and Kelly Murdoch-Kitt. Lost & Found. Game. MAGIC Spell Studios. 2017.

**Published Game, Application or Software:**

Gottlieb, Owen and Ian Schreiber. Lost & Found: Order in the Court - the Party Game. Game. MAGIC Spell Studios. 2017.

**Journal Paper:** Gottlieb, Owen. "Finding Lost & Found: Designer's Notes from the Process of Creating a Jewish Game for Learning." Gamevironments 7. Special Issue: Gamevironments (2017): 42-65. Web. \*

**Published Game, Application or Software:**

Gottlieb, Owen and Ian Schreiber. Lost & Found: Order in the Court - the Party Game. Game. MAGIC Spell Studios. 2017.

**Invited Keynote/Presentation:** Gottlieb, Owen. "Learning Codes in the Age of Digital Coding: Mishneh Torah and Medieval Religious law through Gaming, from Table Top to Mobile." Association for Jewish Studies Annual Conference. AJS. Washington, District of Columbia. 18 Dec. 2017. Conference Presentation. \*

**Stephen Jacobs, Professor**

**Invited Paper:** Jacobs, Stephen. "The Shivah: Kosher Edition. A Review." Gamevironments 7. (2017). Web. Δ

**Published Game, Application or Software:**

Jacobs, Stephen. Mordechai Marches to Manchuria. Software. RIT MAGIC Center. 2017. \*

**Charles D Roberts, Assistant Professor**

**Published Conference Proceedings:** Roberts, Charles. "Strategies for Per-Sample Processing of Audio Graphs in the Browser." Proceedings of the 2017 Web Audio Conference, London, UK. Ed. Florian Thalmann. London, UK: WAC, 2017. Web. «

**Published Conference Proceedings:** Roberts, Charles and Graham Wakefield. "Gibberwocky: New Live-Coding Instruments for Musical Performance." Proceedings of the 2017 New Interfaces for Musical Expression Conference, Copenhagen, Denmark. Ed. Cumhuriyet Erkut. Copenhagen, Denmark: NIME, 2017. Web. «

**Published Conference Proceedings:** Wakefield, Graham and Charles Roberts. "A Virtual Machine for Live Coding Language Design." Proceedings of the 2017 New Interfaces for Musical Expression Conference, Copenhagen, Denmark. Ed. Cumhuriyet Erkut. Copenhagen, Denmark: NIME, 2017. Web. «

**Shows/Exhibits/Installations:** Roberts, Charles. Resting By the Tumtum Tree. 17 May 2017. Stengade, Copenhagen. Performance. \*

**Shows/Exhibits/Installations:** Roberts, Charles. Frabjous Day. 23 Aug. 2017. 93 Feet East, London. Performance. \*

**David Schwartz, Associate Professor**

**Published Conference Proceedings:** Pan, Yin, Sumita Mishra, and David I. Schwartz. "Gamifying Cybersecurity Course Content for Entry Level Students." Proceedings of the Proceedings of the 2017 ACM SIGCSE Technical Symposium on Computer Science Education. Ed. Michael E Caspersen, et al. Seattle, WA: ACM, 2017. Web. «

**Book Chapter:** Tomaszewski, Brian, et al. "GIS and Serious Games." Comprehensive Geographic Information Systems. Ed. T.J. Cova and M.-H. Tsou. Atlanta, GA: Elsevier, 2018. 369-383. Print. «

**Published Game, Application or Software:**

Schwartz, David I., Yin Pan, and Sumita Mishra. IPAR. Game. RIT and NSF. 2017.

**Published Conference Proceedings:** Tomaszewski, Brian and David I. Schwartz. "Critical Spatial Thinking and Serious Geogames: A Position." Proceedings of the AGILE 2017 Workshop on Geogames and Geoplay. Ed. Christoph Schlieder. Wageningen, Netherlands: GEO-C, 2017. Web. \*

## SOFTWARE ENGINEERING

### Daniel Krutz, Lecturer

**Published Conference Proceedings:** McAfee, Patrick, Mohamed Wiem Mkaouer, and Daniel E. Krutz. "CATE: Concolic Android Testing Using Java Pathfinder for Android Applications." Proceedings of the MOBILESoft '17 Proceedings of the 4th International Conference on Mobile Software Engineering and Systems. Ed. ACM. Piscataway, NJ: IEEE/ACM, 2017. Web. «

**Published Conference Proceedings:** Krutz, Daniel E., et al. "Who Added That Permission To My App?: An Analysis of Developer Permission Changes in Open Source Android Apps." Proceedings of the MOBILESoft '17 Proceedings of the 4th International Conference on Mobile Software Engineering and Systems. Ed. ACM. Piscataway, NJ: IEEE/ACM, 2017. Web. «

**Published Conference Proceedings:** Chester, Piper, et al. "M-perm: A Lightweight Detector for Android Permission Gaps." Proceedings of the MOBILESoft '17 Proceedings of the 4th International Conference on Mobile Software Engineering and Systems. Ed. ACM. Piscataway, NJ: IEEE/ACM, 2017. Web. «

**Published Conference Proceedings:** Dennis, Colton, Daniel E. Krutz, and Mohamed Wiem Mkaouer. "P-lint: A Permission Smell Detector for Android Applications." Proceedings of the MOBILESoft '17 Proceedings of the 4th International Conference on Mobile Software Engineering and Systems. Ed. ACM. Piscataway, NJ: IEEE/ACM, 2017. Web. «

### Mohamed Wiem Mkaouer, Assistant Professor

**Journal Paper:** McBurney, Paul W., et al. "Towards Prioritizing Documentation Effort." IEEE Transactions on Software Engineering PP. 99 (2017): 1-17. Web. \*

**Published Conference Proceedings:** Chester, Piper, et al. "M-perm: A Lightweight Detector for Android Permission Gaps." Proceedings of the International Conference on Mobile Software Engineering and Systems. Ed. ACM/IEEE. Buenos Aires, BA: ACM/IEEE, 2017. Web. \*

**Published Conference Proceedings:** Krutz, Daniel E., et al. "Who Added that Permission to My App? An Analysis of Developer Permission Changes in Open Source Android Apps." Proceedings of the International Conference on Mobile Software Engineering and Systems. Ed. ACM/IEEE. Buenos Aires, BA: ACM/IEEE, 2017. Web. \*

**Published Conference Proceedings:** Dennis, Colton, Daniel E. Krutz, and Mohamed Wiem Mkaouer. "P-Lint: A Permission Smell Detector for Android Applications." Proceedings of the International Conference on Mobile Software Engineering and Systems. Ed. ACM/IEEE. Buenos Aires, Buenos Aires: ACM/IEEE, 2017. Web. \*

**Published Conference Proceedings:** McAfee, Patrick, Mohamed Wiem Mkaouer, and Daniel E. Krutz. "CATE: Concolic Android Testing Using Java Pathfinder for Android Applications." Proceedings of the International Conference on Mobile Software Engineering and Systems. Ed. ACM/IEEE. Buenos Aires, BA: ACM/IEEE, 2017. Web. \*

**Journal Paper:** Mkaouer, Mohamed Wiem, et al. "A Robust Multi-objective Approach to Balance Severity and Importance of Refactoring Opportunities." Empirical Software Engineering 22. 2 (2017): 894-927. Web. \*

**Published Conference Proceedings:** Shoenberger, Ian, Mohamed Wiem Mkaouer, and Marouane Kessentini. "On the Use of Smelly Examples to Detect Code Smells in JavaScript." Proceedings of the European Conference on the Applications of Evolutionary Computation. Ed. ACM. Amsterdam, ND: ACM, 2017. Web. \*



## CIVIL ENGINEERING TECHNOLOGY, ENVIRONMENTAL MANAGEMENT AND SAFETY

### Amanda Bao, Associate Professor

**Published Conference Proceedings:** Bao, Amanda (Yu), Van Hopson, and Josh Lawrence. "Soil-Structure Interaction in Bridges with Batter Piles." Proceedings of the ASCE 2017 Structures Congress. Ed. J. G. Soules. Denver, CO: ASCE Press, 2017. Web. «

**Invited Keynote/Presentation:** Bao, Amanda (Yu). "Soil-Structure Interaction in Bridges with Batter Piles." ASCE 2017 Structures Congress. American Society of Civil Engineers. Denver, CO. 8 Apr. 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Bao, Amanda (Yu). "Seismic Soil-Foundation-Structure Interaction in Highway Bridges." Penn State University Department of Civil Engineering Seminar. Penn State University. State College, PA. 14 Apr. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Bao, Amanda (Yu). "Enhancing Learning Effectiveness by Implementing Screencasts into Civil Engineering Classroom." Penn State University Department of Civil Engineering Seminar. Penn State University. State College, PA. 14 Apr. 2017. Guest Lecture.

### Harry G Cooke, Associate Professor

**Published Conference Proceedings:** Cooke, Harry G. and md Adullah Faruque. "Impact of Mastering Engineering on Student Learning and Perceptions in a Strength of Materials Course." Proceedings of the 2017 ASEE Annual Conference, June 25 - 28, 2017, Columbus, OH. Ed. American Society for Engineering Education. Washington, D.C., D.C.: n.p., 2017. Web. «

### md Abdullah al Faruque, Associate Professor

**Published Conference Proceedings:** Cooke, Harry G. and Md Abdullah Al Faruque. "Impact of Mastering Engineering on Student Learning and Perceptions in a Strength of Materials Course." Proceedings of the 2017 Annual Conference of the American Society for Engineering Education held in Columbus, OH, June 25 – 28 2017. Ed. American Society for Engineering Education, 2017. Columbus, OH: American Society for Engineering Education, 2017, 2017. Web. «

### Josh Goldowitz, Professor

**Book Chapter:** Faruque, Abdullah and Joshua Goldowitz. "Effect of Hydrofracking on Aquifers." Aquifer. Rijeka, NY: InTech, 2017. 100-124. Web. \*

### Lisa L Greenwood, Lecturer

**Invited Keynote/Presentation:** Greenwood, Lisa L. and Jennifer L. Schneider. "Incorporating Standards in Higher Education: An Applied Science Approach for Risk Prevention Management Systems Standards." NIST 5th Annual Standards Education Workshop. National Institute for Standards and Technology. Gaithersburg, MD. 2 Nov. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Greenwood, Lisa L. "Incorporating Standards in Higher Education: Health, Safety, Environmental, & Community Sustainable Development Curricula." Standards: Enabler of Sustainability. NIST and Michigan State University. East Lansing, MI. 17 May 2017. Conference Presentation.



**Invited Keynote/Presentation:** Greenwood, Lisa L. "Incorporating Risk Prevention Management Standards in Higher Education: An Applied Science Approach." Standards in Context: Skill Requirements, Pedagogy and Research. International Cooperation for Education about Standardization (ICES) and Northwestern University Buffett Institute for Global Studies. Chicago, IL. 10 Aug. 2017. Conference Presentation.

#### **Jennifer Schneider, Professor**

**Published Conference Proceedings:** Dobie, Sarah and Jennifer Schneider. "Sarah Dobie\* & Jennifer Schneider, 'Measuring the Impact of Organizational Efforts on Community Sustainability and Resilience.'" Proceedings of the AWMA conference: Finding Common Ground on Climate Change Mitigation and Adaptation, Arlington, VA. (Oct 10/11, 2017). Ed. AWMA. Arlington, VA: Air & Waste Management Association, 2017. Web. \*

**Published Conference Proceedings:** Raj, R., et al. "Modeling Threats: Insider Attacks on Critical Infrastructure Assets." Proceedings of the IEEE-Homeland Security Technologies. Ed. LaRoque & Crowther. Waltham, VA: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Schneider, J. and S. Dobie. "Creating Laddered metrics for Community Resilience Management." Proceedings of the Resilience Week. Ed. David Alderson & Cherrie Black. Wilmington, DE: INL, 2017. Web. \*

**Invited Keynote/Presentation:** Schneider, Jennifer. "Effective Methods for Communicating Complex Data (Data Visualization Panel): Critical Thinking as Context for Critical Communication." Resilience Week. INL. Wilmington, DE. 20 Sep. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Schneider, Jennifer. "Thinking Critically for Tomorrow (Today)!" Annual University Women's Colloquia. Finger Lakes Community College. Canandaigua, NY. 29 Sep. 2017. Address. Δ

**Invited Keynote/Presentation:** Greenwood, Lisa and Jennifer Schneider. "Incorporating Standards in Higher Education: An Applied Science Approach for Risk Prevention Management Systems Standards." NIST 5th Annual Standards Education Workshop. National Institute for Standards and Technology. Gaithersburg, MD. 2 Nov. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Shenoy, Nirma-la, Erik Golen, and Jennifer Schneider. "Creation of Situational Awareness for Emergency Response and Management Using Next Generation Gigabit Communication Systems." Smart Cities Connect Conference & Expo and US Ignite Application Summit. US Ignite/NSF. Austin, TX. 26 Jun. 2017. Conference Presentation. £

**Published Conference Proceedings:** Schneider, J., et al. "Building Forward: Strategic Community Resilience." Proceedings of the IEEE- Homeland Security Technologies. Ed. LaRoque & Crowther. Waltham, MA: IEEE, 2017. Web. «

**Invited Article/Publication:** Shenoy, Nirmala, Erik Golen, and Jennifer Schneider. "Creating a High-Speed Internet Lane for Emergency Situations." The Conversation. (2017). Web. ^

**Published Conference Proceedings:** Dobie, Sarah and Jennifer Schneider. "Development of a Process Improvement Matrix to Measure Community Level Sustainability: A Collaborative Case Study of Rochester, NY, USA." Proceedings of the IEEE- Homeland Security Technologies. Ed. LaRoque & Crowther. Waltham, MA: IEEE, 2017. Web. «

**Published Conference Proceedings:** Hummel, J.R., et al. "Understanding the Physical, Environmental, Economic, and Social Factors that Contribute to Environmentally Driven Migration." Proceedings of the The 2nd International workshop on Modelling of Physical, Economic and Social Systems for Resilience Assessment. Ed. Joint Research Centre (JRC) of the European Commission. Brussels, Belgium: Joint Research Centre (JRC) of the European Commission, 2017. Web. \*

# Featured Faculty

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Muhammet kesgin is an assistant professor in the department of hospitality and tourism management.

Kesgin's professional background in higher education and the industry spans internationally. He received his B.S. from Akdeniz University in Turkey and Ph.D. from Coventry University in the United Kingdom. He is an experienced hospitality professional, having worked in various roles in four countries before moving into higher education as a Lecturer at Akdeniz University in Turkey. He was an Adjunct Lecturer at Buckinghamshire New University in the United Kingdom before joining RIT in 2013.

His research primarily focuses on destination marketing and tourist behavior, with special emphasis on visitor attractions, visitor experience design, and visitor engagement. His research has appeared in the *Journal of Revenue & Pricing Management*, *Journal of Destination Marketing & Management*, and *Tourism: An International Interdisciplinary Journal*. His plan of work focuses on crises, disasters, and resilience management in hospitality and tourism with particular interest in demand-side considerations, such as crisis-resistant tourists. His additional research interests include technology integration in the marketing and delivery of hospitality and tourism services.

Kesgin involves undergraduate and graduate students in his research projects. He has encouraged and enabled his students to attend the Annual Graduate Education & Graduate Student Research Conference in Hospitality and Tourism. His work with graduate students and his undergraduate research assistant accounted for nine artifacts in 2016 and 2017. He collaborates with faculty and professionals locally at RIT, in Rochester and New York State, as well as those nationally, and internationally. He is currently working on five collaborative projects funded and supported by grants from RIT and CAST. These grants support student researcher salaries and help him continue to be on the forefront of recruiting, training, and mentoring undergraduate and graduate students in his research program.

Believing that university-industry collaboration plays a vital role to enhance innovation, he actively builds relationships and participates in partnerships with industry practitioners to benefit from knowledge exchange, such as RIT's partnerships with the Genesee Country Village and Museum and the Seneca Park Zoo Society. He serves on the George Eastman Museum's Marketing and Engagement Committee and Visit Rochester's Research Task Force. He also disseminates his research findings to local authorities and industry practitioners during Visit Rochester's Visitor Industry Council meetings. As chapter adviser of the Hospitality Financial and Technology Professionals (HFTP) RIT Chapter, he presented on a panel on the topic of "Student Engagement: Preparing Future Finance and Technology Leaders" at HFTP's 65th Annual Convention in Orlando, Florida, on October 26, 2017. The aforementioned knowledge exchange efforts guide Kesgin to make more informed research decisions, leading to scholarly outcomes with practical implications.

## **Muhammet Kesgin**

Assistant Professor

RIT College of Applied Science & Technology





**Published Conference Proceedings:** Hummel, J.R., et al. "Feeding the Future's Cities: Challenges in an Uncertain World." Proceedings of the 1st Mediterranean Conferences on Food Supply and Distribution Systems in Urban Environments. Ed. UN. Rome, Italy: Food & Agriculture Organization of the United Nations, 2017. Web. \*

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

**Published Conference Proceedings:** Valentine, Maureen, et al. "Assessing the Impact of the Concrete Canoe and Steel Bridge Competitions on Civil Engineering Technology Students." Proceedings of the American Society for Engineering Education, Session 3649, 2003. Ed. American Society for Engineering Education. Nashville, TN: n.p., 2003. Print. «

**Published Conference Proceedings:** Valentine, Maureen, et al. "Career Navigation Initiatives for Women STEM Faculty in Support of Institutional Transformation." Proceedings of the 2017 ASEE Annual Conference & Exposition. Ed. American Society for Engineering Education. Columbus, OH: n.p., 2017. Web. «

**Published Conference Proceedings:** Valentine, Maureen, et al. "No More Duct Tape! Institutionalization of Advance Initiatives." Proceedings of the 2017 ASEE Annual Conference & Exposition. Ed. American Society for Engineering Education. Columbus, OH: n.p., 2017. Web. «

### **DEAN'S OFFICE**

#### **Michael Eastman, Professor**

**Journal Paper:** Eastman, Michael G., et al. "To Educate Engineers or to Engineer Educators?: Exploring Access to Engineering Careers." Journal of Research in Science Teaching 54. 7 (2017): 884-913. Print. «

### **ELECTRICAL, COMPUTER AND TELECOMMUNICATIONS ENGINEERING TECHNOLOGY**

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

**Published Conference Proceedings:** Indelicato, Mark J, et al. "Analysis of Student Preconceptions Related to Quality of Service and Basic Principles in Telecommunications." Proceedings of the 2017 ASEE Annual Conference & Exposition, June 24th-27th, Columbus, OH. Ed. Matthew Verleger. Columbus, OH: American Society for Engineering Education, 2017. Web. «

**Published Conference Proceedings:** Cortez, Joaquin and Miguel Bazdresch. "Augmentation of a  $3 \times n_R$  Hybrid Space-Time Block Code with Spatial Modulation." Proceedings of the The 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference, October 3rd-5th 2017, Vancouver, Canada. Ed. Son Vuong and Victor Leung. New York, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Bazdresch, Miguel and Mohamed Al-Hamiri. "Symbol Synchronization of the Alamouti Space-Time Block Code with the Gardner Algorithm." Proceedings of the The 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference, October 3rd-5th 2017, Vancouver, Canada. Ed. Son Vuong and Victor Leung. New York, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Cortez, Joaquin, Miguel Bazdresch, and Omar Longoria-Gandara. "A Low-Complexity Near-ML Detector for a  $3 \times n_R$  Hybrid Space-Time Code." Proceedings of the IEEE Latin-American Conference on Communications, November 8th-10th 2017, Guatemala City, Guatemala. Ed. Marco A. To. New York, NY: IEEE, 2017. Web. \*



**Published Conference Proceedings:** Govindaraj, Deepan and Miguel Bazdresch. "Automatic Trellis Generation for Demodulation of Faster Than Nyquist Signals." Proceedings of the 2017 Western New York Image and Signal Processing Workshop, November 17th, 2017, Rochester, NY. Ed. Raymond Ptucha. New York, NY: IEEE, 2017. Web. \*

#### **Song Hui Chon, Visiting Assistant Professor**

**Published Conference Proceedings:** Chon, Song Hui and Sungyoung Kim. "Does Technical Ear Training Also Improve Speech-in-noise Identification?" Proceedings of the Asia-Pacific Society for the Cognitive Sciences of Music (APSCOM). Ed. Jun-ichi ABE. Kyoto, Japan: n.p., Web. \*

**Published Conference Proceedings:** Chon, Song Hui, David Huron, and Dana DeVlieger. "Relationships of Pitch, Tempo, and Dynamics from Instrument Combination Patterns in Orchestral Scores." Proceedings of the the Society for the Music Perception and Cognition Meeting. Ed. John Iverson. San Diego, CA: n.p., Web. \*

**Invited Keynote/Presentation:** Chon, Song Hui and Sungyoung Kim. "Exploration of Perceptual Differences of Virtually Enhanced Sound Fields using Timbre Toolbox." Acoustical Society of America meeting. Acoustical Society of America. New Orleans, LA. 4 Dec. 2017. Lecture. Δ

**Invited Keynote/Presentation:** Chon, Song Hui. "Long Lasting Effects of Auditory Localization Training Using Augmented Reality." the 2nd Frameless Lab Symposium. RIT. Rochester, NY. 1 Dec. 2017. Lecture.

**Shows/Exhibits/Installations:** Chon, Song Hui. Auditory Localization Training Using Augmented Reality. 12 Sep. 2017. the 1st Light and Sound Interactive, Rochester. Exhibit.

**Invited Keynote/Presentation:** Chon, Song Hui. "Improving Sound Localization Using Augmented Reality." the 1st Upstate New York Sound Meeting. University of Rochester. Rochester, NY. 11 Aug. 2017. Lecture.

**Invited Keynote/Presentation:** Chon, Song Hui. "Understanding Timbre Salience based on Instrument Usage Patterns in Orchestral Music." Graduate School of Culture Technology. Korea Advanced Institute of Science and Technology (KAIST). Daejeon, Daejeon. 2 Jun. 2017. Lecture.

**Book Chapter:** Chon, Song Hui. "Western Orchestral Instruments in the Foreground: What Features Make an Instrument More Attractive for a Solo Role in Concertos?" Musical Instruments in the 21st Century: Identities, Configurations, Practices. Singapore, Singapore: Springer, 2017. 371-384. Print. Δ

#### **Jeanne Christman, Associate Professor**

**Journal Paper:** Christman, Jeanne W., et al. "Using Self Determination Theory to Build Communities of Support and Improve the Learning Environment for Women in Engineering." European Journal of Engineering Education. (2017): 1-16. Web. «

**Journal Paper:** Christman, Jeanne W., et al. "To Educate Engineers or Engineer Educators." Journal of Research in Science Teaching 54. 7 (2017): 884-913. Print. «

#### **Steven M Ciccarelli, Associate Professor**

**Published Conference Proceedings:** Ciccarelli, Steven M. "Cooperative Learning in DC Circuits Laboratory for Improved Student Success and Equipment Proficiency." Proceedings of the 2017 ASEE St. Lawrence Section Conference. Ed. Dr. Kris Schindler. Buffalo, NY: ASEE, Web. ~

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

**Published Conference Proceedings:** Indelicato, Mark J., Miguel Bazdresh, and George Zion. "Analysis of Student Preconceptions Related to Quality of Service and Basic Principles in Telecommunications." Proceedings of the ASEE National Conference. Ed. ASEE. Columbus, OH: ASEE, 2017. Print. «

## **SungYoung Kim, Assistant Professor**

**Invited Keynote/Presentation:** Kim, Sungyoung. "Immersive Audio and Height Channels: Capture and Reproduction." Light and Sound Interactive 2017. LSI. Rochester, NY. 13 Sep. 2017. Lecture.

**Invited Keynote/Presentation:** Kim, Sungyoung. "An Active Learning Game for Better Sound Localization Using Augmented Reality (AR)." Game4Change 2017. Game4Change (G4C). New York, NY. 1 Aug. 2017. Conference Presentation.

### **External Scholarly Fellowships/National Review Committee:**

1/1/2017 -  
12/31/2017  
Yamaha Corporation  
Amount: 11443  
≠

### **External Scholarly Fellowships/National Review Committee:**

4/1/2017 -  
3/31/2018  
Yamaha Corporation  
Amount: 10711  
≠

**Invited Keynote/Presentation:** Kim, Sungyoung. "Discovering a Physical Parameter that Co-varies with Enhanced Immersiveness." Invited Lecture Series. Department of System Information Sciences, Tohoku University. Sendai, Miyagi. 17 Jan. 2017. Lecture.

**Journal Paper:** Kim, Sungyoung and Hidetaka Imamura. "An Assessment of a Spatial Ear Training Program for Perceived Auditory Source Width." The Journal of the Acoustical Society of America 142. 2 (2017): EL201-EL204. Web. «

**Journal Paper:** Kim, Sungyoung, et al. "A Cross-cultural Comparison of Preferred Spectral Balances for Headphone-reproduced Music." Acoustical Science and Technology 38. 5 (2017): 272-273. Web. «

**Book Chapter:** Kim, Sungyoung. "Height Channels." Immersive Sound. Ed. Agnieszka Roginska and Paul Geluso. New York, NY: Routledge, 2017. 221-243. Print. «

**Published Conference Proceedings:** Chon, Song Hui and Sungyoung Kim. "Does Technical Ear Training Also Improve Speech-in-noise Identification?" Proceedings of the The 6th Conference of the Asia-Pacific Society for the Cognitive Sciences of Music. Ed. APSCOM6. Kyoto, Kyoto: APSCOM6, 2017. Print. \*

**Invited Keynote/Presentation:** Chon, Song Hui and Sungyoung Kim. "Exploration of Perceptual Differences of Virtually Enhanced Sound Fields Using Timbre Toolbox." 174th meeting of Acoustical Society of America. Acoustical Society of America. New Orleans, LA. 4 Dec. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Kim, Sungyoung, et al. "Comparing the Binaural Recordings of 22.2- and 2-Channel Music Reproduced in Three Listening Rooms." 174th meeting of Acoustical Society of America. Acoustical Society of America. New Orleans, LA. 4 Dec. 2017. Conference Presentation. \*

### **External Scholarly Fellowships/National Review Committee:**

12/1/2017 -  
3/31/2018  
Yamaha Corporation  
Amount: 18807  
≠

**Invited Keynote/Presentation:** Ashok, Madhu and Sungyoung Kim. "Factors Differentiating the 22.2- and 2-Channel Reproduced Sound Fields Through an Acoustic Modeling of Three Listening Room." 174th Meeting of Acoustical Society of America. Acoustical Society of America. New Orleans, LA. 5 Dec. 2017. Conference Presentation. \*

### **Drew Maywar, Associate Professor**

**Published Conference Proceedings:** Graitl, S. Al and D. N. Maywar. "Assessing the Unbalanced MZI Technique of Split-Ratio Extraction for Photonic Couplers." Proceedings of the IEEE Electron Device Society Activities in Western NY Conference. Ed. Conference Eds. Rochester, NY: n.p., Print.

**Journal Editor:** Majima, Y., et al, ed. Japanese Journal of Applied Physics. Tokyo: Japan Society of Applied Physics, 2017. Print.

## **HOSPITALITY AND TOURISM MANAGEMENT**

### **Yu-Chin J Hsieh, Associate Professor**

**Journal Paper:** Hsieh, Yuchin Jerrie, et al. "Perceived workplace mistreatment: Case of Latina hotel housekeepers." *Work* 56. 1 (2017): 55-65. Print. «

**Journal Paper:** Sonmez, Sevil, et al. "Dynamic Simulation Modeling to Advance Immigrant Worker Health." *International Journal of Hospitality Management* 67. (2017): 95-105. Print. «

**Published Conference Proceedings:** Yuan, Jessica, et al. "Unique Challenges to the "Asian-american" Dream: Stories of Hospitality and Tourism Asian Women Professors in the United States." Proceedings of the Annual International Council for Hotel, Restaurant, Institutional Education Conference. Ed. Jeff Beck. Baltimore, MA: ICHRIE, 2017. Web. «

**Published Conference Proceedings:** Harder, Majed, et al. "American College Students' Perceptions of Saudi Arabia as a Travel Destination." Proceedings of the the 22st Annual Graduate Education & Graduate Student Research Conference in Hospitality and Tourism,. Ed. Dan Wang. Houston, TX: n.p., 2017. Web. «

### **Muhammet Kesgin, Assistant Professor**

**Journal Paper:** Lagiewski, Rick and Muhammet Kesgin. "Designing and Implementing Digital Visitor Experiences in New York State: The Case of the Finger Lakes Interactive Play (FLIP) ProjectOriginal." *Journal of Destination Marketing and Management* 6. 2 (2017): 118-126. Web. «

**Journal Paper:** Pohland, Linden and Muhammet Kesgin. "Pricing Determinants in Hotels: The Case of Luxury, Upscale, and Mid-scale Price Segments." *Journal of Revenue and Pricing Management*. (2017): 1-13. Web. «

**Published Conference Proceedings:** Pohland, Linden and Muhammet Kesgin. "Value-based Pricing Analysis in the Hotel Market." Proceedings of the 22nd Annual Graduate Education & Graduate Student Research Conference in Hospitality and Tourism. Ed. Dan Wang. Houston, Texas: Conrad N. Hilton College University of Houston, 2017. Print. «

**Invited Keynote/Presentation:** Kesgin, Muhammet, et al. "Student Engagement – Developing Future Finance and Technology Leaders." HFTP 65th Annual Convention. Hospitality Financial and Technology Professionals. Orlando, Florida. 26 Oct. 2017. Address.

### **Rick Lagiewski, Assistant Professor**

**Journal Paper:** Lagiewski, Rick and Muhammet Kesgin. "Designing and Implementing Digital Visitor Experiences in New York State: The Case of the Finger Lakes Interactive Play (FLIP) ProjectOriginal." *Journal of Destination Marketing & Management* 6. 6 (2017): 118-126. Print. «

## **MANUFACTURING AND MECHANICAL ENGINEERING TECHNOLOGY**

### **Martin K Anselm, Assistant Professor**

**Invited Keynote/Presentation:** Anselm, Martin K. "Integrated Photonics Packaging Reliability – Assessing Packaging Strategies and Reliability Testing." International Integrated Reliability Workshop. IEEE. Fallen Leaf Lake, CA. 8 Oct. 2017. Conference Presentation.

**Published Conference Proceedings:** Thomas, Shalomin, Keyla Y. Bastardo, and Martin K. Anselm. "Industry Trends in Photonics Packaging: Passive Fiber and Die Coupling." Proceedings of the Pan Pacific. Ed. Phil Isaacs. Kauai, Hawaii: SMTA, 2017. Web. \*

**Published Conference Proceedings:** Valooran, Rohit and Martin K. Anselm. "Investigation of the Factors Influencing the Performance of Low Temperature Solder." Proceedings of the SMTAi 2017. Ed. Raiyo Aspandiar. Rosemont, IL: SMTA, 2017. Web. \*

**Journal Editor:** Ramkumar, Dr. Manian, ed. IEEE Transactions on Components, Packaging and Manufacturing Technology. New York: IEEE, 2017. Print. \*

**Journal Editor:** Pan, Jianbiao, ed. IEEE Transactions on Components, Packaging and Manufacturing Technology. New York: IEEE, 2017. Print. \*

**Journal Editor:** Park, Seungbae, ed. ASME Journal of Electronic Packaging. New York: ASME, 2017. Web. \*

**Published Conference Proceedings:** Anselm, Martin K. and Reza Ghaffarian. "QFN Reliability, Thermal Shock, Lead-free vs. SnPb, Microstructure." Proceedings of the 2017 16th IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm). Ed. Unknown. Orlando, FL: IEEE, 2017. Web. \*

#### **Betsy Dell, Associate Professor**

**Published Conference Proceedings:** Bailey, Marchetti, C., E. Dell, K. Crawford, M. Valentine, S. Mason, M. "No More Duct Tape! Institutionalization of Advance Initiatives." Proceedings of the 2017 ASEE Annual Conference and Exposition, Columbus, OH. Ed. ASEE. Columbus, OH: ASEE, 2017. Web. «

**Published Conference Proceedings:** Dell, E. and C. Marchetti, K. Crawford, M. Bailey, M. Valentine, S. Mason. "Career Navigation Initiatives for Women STEM Faculty in Support of Institutional Transformation." Proceedings of the 2017 ASEE Annual Conference and Exposition, Columbus, OH. Ed. ASEE. Columbus, OH: ASEE, 2017. Web. «

**Published Conference Proceedings:** Dell, E. and Yen Verhoeven. "Using Self Determination Theory to Develop Strategies for the Retention of Women in Engineering and Engineering Technology Programs." Proceedings of the ASEE Zone 2 Conference. Ed. ASEE. San Juan, PR: ASEE, 2017. Web. «

**Journal Paper:** Dell, E., et al. "Using Self Determination Theory to Build Communities of Support and Improve the Learning Environment for Women in Engineering." European Journal of Engineering Education. (2017): 1-16. Print. «

**Invited Keynote/Presentation:** Dell, E., C. Marchetti, and M. Bailey. "Reimagining and Refining Campus Cultures: Promoting an Inclusive Learning Environment at RIT." SIGITE ACM Conference on IT Education / IT Research. ACM. Rochester, NY. 6 Oct. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Dell, E., et al. "Reimagining and Refining Campus Cultures: Promoting Inclusivity Through Organizational Development Initiatives." 2017 ADVANCE/GSE Program Workshop Broadening Participation: Intersectionality. NSF ADVANCE/AWIS. Washington DC, DC. 9 Oct. 2017. Conference Presentation. \*

#### **Robert D Garrick, Professor**

**Journal Paper:** Dell, Elizabeth, et al. "Using Self Determination Theory to Build Communities of Support and Improve the Learning Environment for Women in Engineering." European Journal of Engineering Education. (2017): 1-16. Web. «



### **Martin Gordon, Professor**

**Invited Keynote/Presentation:** Gordon, Martin E. "Forensic Engineering: Engineering Applied to the Law." Rochester Engineering Symposium. Rochester Engineering Society. Rochester, NY. 18 Apr. 2017. Keynote Speech. Δ

**Invited Keynote/Presentation:** Gordon, Martin E. "Finding and Using a Forensic Engineer in Personal Injury Cases." University of Buffalo, Personal Injury Law Course. University of Buffalo Law School. Buffalo, NY. 25 Oct. 2017. Guest Lecture. Δ

**Journal Paper:** Herbert, A.M., et al. "Augmented Reality HUDs: Warning Signs and Driver Situation Awareness." *Journal of Vision* 17. 7 (2017): 40-48. Print. «

### **Spencer Kim, Associate Professor**

**Published Conference Proceedings:** Kim, Spencer. "Development of a Laboratory Module in 3D Printing." *Proceedings of the American Society for Engineering Education, 2017 Annual Conference and Exposition*. Ed. American Society for Engineering Education. Washington, DC: American Society for Engineering Education, Web. \*

### **Christopher L Lewis, Assistant Professor**

**Published Conference Proceedings:** Bruce, Austin C. and Christopher L. Lewis. "Influence of Glass Transition Temperature on Mechanical and Self-Healing Behavior of Polymers Bearing Hindered Urea Bonds." *Proceedings of the SPE ANTEC® Anaheim 2017 (May 8-10, 2017)*. Ed. Edwin Tam (ANTEC® Technical Program Chair). Anaheim, CA: n.p., Web. \*

**Journal Paper:** Pratchayanan, Danaya, et al. "Thermomechanical Insight into the Reconfiguration of Diels–Alder Networks." *Journal of Rheology* 61. 6 (2017): 1359-1367. Print. \*

### **Ti-Lin Liu, Associate Professor**

**Published Conference Proceedings:** Lin, Liu Ti. "Excel Spreadsheet in Mechanical Engineering Technology Education." *Proceedings of the ASEE Conference for Industry and Education Collaboration (CIEC) 2018*. Ed. Liu Ti Lin. San Antonio, TX, TX: n.p., 2018. Print. \*

### **Michael J Parthum, Associate Professor**

**Journal Paper:** Moore-Russo, D., et al. "Crossing Cultural Boundaries: Challenges for Engineering Students." *Theory into Practice* Volume 56. Issue 4 (2017): 291-200. Web. «

### **Brian S Rice, Assistant Professor**

**Journal Paper:** Rice, Brian S., et al. "Permeation Fill-Tube Design for Inertial Confinement Fusion Target Capsules." *High Power Laser Science and Engineering* 5. (2017): 1-7. Web. \*

**Published Conference Proceedings:** Rice, Brian S. and Robert L. Walton. "Machine Direction Registration Dynamics Model of a Rotary Printing Press." *Proceedings of the Proceedings of The Fourteenth International Conference on Web Handling (Iweb 2017)*, June 4-7, 2017, Oklahoma State University Stillwater, Oklahoma. Ed. James K. Good, PhD,. PE. Stillwater, OK: Oklahoma State University, 2017. Web. ~

## **PACKAGING SCIENCE**

### **Carlos Diaz-Acosta, Assistant Professor**

**Journal Paper:** Tulsyan, Gaurav, Christiaan Richter, and Carlos A. Diaz. "Oxygen Scavengers Based on Titanium Oxide Nanotubes for Packaging Applications." *Packaging Science and Technology* 30. 6 (2017): 251-256. Print. \*

**Published Conference Proceedings:** Paul, Prashant, Carlos A. Diaz, and Georgios Koutsimanis. "Compatibility of Biodegradable Polymers with Bread." *Proceedings of the 28th IAPRI Symposium on Packaging*. Ed. E. Martine and Y. Wyser. Lausanne, Switzerland, ZZ: n.p., Print. £

**Published Conference Proceedings:** Solis, Marina S. and Carlos A. Diaz. "Heat Seal Strength of Polylactic Acid/Polyhydroxyalkanoate Blends." Proceedings of the 28th IAPRI Symposium on Packaging. Ed. E. Martine and Y. Wyser. Lausanne, Switzerland, ZZ: n.p., Print. £

### **Changfeng Ge, Professor**

**Journal Paper:** L, Yuan, et al. "Modeling the Effects of Pressure, Temperature, Saccharide, Ph, and Protein Content on The HHP Inactivation of Escherichia Coli." Journal of Food Process Engineering 40. 5 (2017): 1-7. Print. \*

**Journal Paper:** C, Sun LN, Lu LX, Wang LQ, Qiu XL, Ge. "Influence of  $\alpha$ -tocopherol/MCM-41 Assembly on Physical and Antioxidant Release Properties of Low-density Polyethylene Antioxidant Active Films." Polymer Engineering and Science. (2017): 1-7. Print. \*

**Published Conference Proceedings:** C, Ge. "Damages of Column Stacked Printed Packages Between a Single Axis Truck Profile and Field Vehicle Vibration." Proceedings of the ISTA Packaging forum. Ed. AJ. Orlando, FL: ISTA, 2017. Web. «

**Journal Paper:** C, Wang D, Ge. "Opening of Perforated Folding Cartons: From the Field to Testing." Packaging Technology and Science 30. 8 (2017): 411-425. Print. \*

**Provisional Patent:** C, Ge C, Olles M, Kosgrove K, Diaz. "Formation and Properties of Agriculture Waste Based Open Cell Foam." U.S. Provisional Patent Application 330P238. 5 Sep. 2017.

**Journal Paper:** G, Ge C, Devar. "Formation of Polyvinyl Alcohol Film With Graphene Nanoplatelets and Carbon Black for Electrostatic Discharge Protective Packaging." Journal of Electrostatics 89. (2017): 52-57. Print. \*

**Journal Paper:** P, Ge C, Priyadarshini L, Cormier D, Liao. "A Preliminary Study of Cushion Properties of a 3D Printed Thermoplastic Polyurethane Kelvin Foam." Packaging Technology and Science. (2017): 1-7. Print. \*



## BIOMEDICAL SCIENCES

### Cory A Crane, Assistant Professor

**Journal Paper:** Crane, C., et al. "The Proximal Effects of Acute Alcohol Consumption on Female Aggressive Behavior: A Meta-analytic Review of the Experimental Literature." *Psychology of Addictive Behaviors*. (2017): 21-26. Print. «

**Journal Paper:** Crane, C. and C. Easton. "Physical Health Conditions and Intimate Partner Violence Perpetration Among Offenders with Alcohol use Diagnoses." *Journal of Interpersonal Violence*. (2017): 1678-1691. Print. «

**Journal Paper:** Crane, C. and C. Easton. "Integrated Treatment Options for Male Perpetrators of Intimate Partner Violence." *Drug and Alcohol Review*. (2017): 24-31. Print. «

**Journal Paper:** Godleski, S.A., K.E. Leonard, and C.A. Crane. "Parents' Concordant and Discordant Alcohol use and Subsequent Child Behavioral Outcomes." *Addictive Behaviors* 79. (2018): 81-85. Print. \*

### Bolaji Thomas, Associate Professor

**Journal Paper:** Thomas, Bolaji N. "Whole Genome Sequencing of *Rhodotorula Mucilaginosa* Isolated from the Chewing Stick (*Distemonanthus benthamianus*): insights into *Rhodotorula* Phylogeny, Mitogenome Dynamics and Carotenoid Biosynthesis." *PeerJ*. (2017): e4030. Web. «

**Journal Paper:** Thomas, Bolaji N. "Genetic Diversity of CD14 Promoter Gene Polymorphism (rs2569190) is Associated With Regulation of Malaria Parasitemia and Susceptibility to *Plasmodium falciparum* Infection." *Infectious Diseases: Research and Treatment*. (2017): 1. Web. «

**Journal Paper:** Thomas, Bolaji N. "Ethanol Extract of *Blighia Sapida* Stem Bark Show Remarkable Prophylactic Activity in Experimental *Plasmodium berghei*-Infected Mice." *Drug Target Insights* 11. (2017): 1. Web. «

## DIAGNOSTIC MEDICAL SONOGRAPHY

### Hamad Ghazle, Professor

**Journal Paper:** Ghazle, Hamad. "Congenital Intrahepatic Portosystemic Venous Shunt With an Associated Aneurysm: Sonographic Diagnosis." *Journal of Diagnostic Medical Sonography* 33. 4 (2017): 304-309. Print. «

**Invited Keynote/Presentation:** Ghazle, Hamad. "Adnexal Cystic Masses: Sonographic Evaluation, Characterization and Differentiation." 2017 SDMS Annual Conference. Society of Diagnostic Medical Sonography. SDMS. Dallas, TX. 14 Oct. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Ghazle, Hamad. "Sonographic Characterization of Adnexal Masses." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation* 2017. Rochester Ultrasound Society. Rochester, NY. 4 Nov. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Ghazle, Hamad. "Sonographic Evaluation of the Pediatric Hip." *Daily Practice Hot Topics: Sonographic Recognition & Interpretation* 2017. Rochester Ultrasound Society. Rochester, NY. 4 Nov. 2017. Conference Presentation. Δ



## MEDICAL ILLUSTRATION

### James Perkins, Professor

**Invited Keynote/Presentation:** Perkins, Jim. "What's The Point? The Use of Arrows in Scientific Illustration." 2017 Annual Conference. Association of Medical Illustrators. Austin, TX. 26 Jul. 2017. Conference Presentation.

#### **National/International Competition Award**

**Winner:** Perkins, James A. Association Européenne des Illustrateurs Médicaux et Scientifiques and Maastricht University. Giliola Gamberini Award (finalist). Maastricht, The Netherlands, NL, 2017. £

**Full Length Book:** Kumar, Vinay, et al. Robbins and Kumar Basic Pathology. 10 ed. Philadelphia, PA: Saunders/Elsevier, 2017. Print.

## PHYSICIAN ASSISTANT

### Melodie J Kolmetz, Assistant Professor

**Journal Paper:** EMT-P, Melodie Joy Kolmetz, MPAS, PA-C,. "Which Came First?" Journal of the American Academy of Physician Assistants. (2018): pending. Print. «

### John B Oliphant, Assistant Professor

**Peer Reviewed/Juried Poster Presentation:** Noll, Matthew E and John B Oliphant. "Hospital Administrators' Attitudes & Opinions Regarding PAs as Candidates for Organizational Leadership Positions." Proceedings of the AAPA Conference, May 2017, Las Vegas, Nevada. Ed. Reamer L. Bushardt. Philadelphia, PA: Journal of the American Academy of Physician Assistants. £

**Invited Keynote/Presentation:** Oliphant, John B. "Best Practices for the Planning, Implementation, & Assessment of Short-Term Medical Mission Trips Sponsored by Institutions of Higher Education." International Society for Educational Planning Annual Conference. International Society for Educational Planning. Toronto, ON. 13 Oct. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Oliphant, John B, et al. "Educational Planning for Our Diverse Global Village During Times of Rapid Change." International Society of Educational Planning Annual Conference. International Society of Educational Planning. Toronto, ON. 14 Oct. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Oliphant, John B, et al. "Poverty, Inc.: A Post Documentary Viewing Panel Discussion on Poverty." Poverty, Inc. Documentary Showing and Panel Discussion. Global Health association @ RIT. Rochester, NY. 26 Oct. 2017. Lecture.

## WEGMANS SCHOOL OF HEALTH AND NUTRITION

### Barbara A Lohse, Professor

**Journal Paper:** Lohse, Barbara, et al. "Impact of a Weight Management Intervention on Eating Competence: Importance of Measurement Interval in Protocol Design." American Journal of Health Promotion 41. 4 (2017): 1-11. Web. «

**Journal Paper:** Ruder, Elizabeth and Barbara Lohse. "NEEDs for Tots: A Teacher-Ready and Parent-Friendly Curriculum Focuses on Principles of the Satter Division of Responsibility in Feeding." Journal of Nutrition Education and Behavior 49. 4 (2017): 357-359. Print. «

**Journal Paper:** Wayman, Elizabeth, et al. "School-age Cooking Program Assessment has Face Validity." British Food Journal 119. 5 (2017): 1017-1027. Print. «

**Invited Article/Publication:** Lohse, Barbara. "Nutrition Education Doesn't Stop at the Borders." Journal of Nutrition Education and Behavior. (2017). Print. Δ

# Featured Faculty

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Laurence Sugarman traveled an unusual route to academia. He started as a hospital laboratory technician, completed physician assistant instruction, earned his M.D. *magna cum laude* from University of Missouri-Columbia, trained in pediatrics at the University of Rochester, then established a pediatric community practice. Insisting primary care is primary mental health care, his was the first local pediatric practice to share clients with a group of clinical psychologists onsite. During 30 years of clinical practice, Dr. Sugarman's promotion of person-centered strategies to foster self-regulation with medical therapy garnered recognition. While teaching worldwide, Dr. Sugarman produced an award-winning documentary, *Hypnosis in Pediatric Practice*, then co-authored and edited, with William Wester, *Therapeutic Hypnosis with Children and Adolescents*.

In 2011, President Destler tasked Sugarman to develop an intervention to help RIT students self-regulate stress. Funded by the Flutie and Golisano Foundations, the ensuing "*Minding Anxiety Project*" (MAP) demonstrated the feasibility of student-tailored autonomic biofeedback training. MAP students reported significant improvement and satisfaction with acquired stress management skills.

Since then, Sugarman has contributed award-winning papers and guest-edited professional journals in an effort establish more empiric biological bases for clinical hypnosis and provide innovative professional pedagogy and training in its use. This content extends to his undergraduate CHST Biomedical Science courses, "Applied Psychophysiology" and "Placebos, Research, Suggestion and Health."

Sugarman's interest in self-regulation is helping youth with autism spectrum disorder (ASD). Observing both autonomic diversity and benefit from autonomic biofeedback training in youth with ASD, Sugarman has posited autonomic dysregulation as ASD's core, unifying impairment. With colleague Stephen Jacobs (MAGIC), he has led efforts to create and pilot (1) an algorithm and method for dynamically tuning biofeedback channels to the strengths of the user and (2) novel ASD-directed graphical user interfaces for biofeedback training.

Collaborating with RIT's MAGIC and St. John Fisher College's Wegmans School of Nursing, Sugarman is developing and testing two mobile health apps. A tracking app augments therapy for youth with anxiety and ASD. Another aims to relieve chronic pain and improve well-being with user-directed hypnosis skills.

Taken together, this work reflects Sugarman's larger commitment to drive the current allopathic, reactive model of health care—rife with epidemic substance abuse, increasing expense and decreasing access—towards a more integrative, person-centered and cost-effective paradigm.

## **Laurence Sugarman**

Program Researcher  
RIT College of Health Sciences and Technology





**Published Review:** Satter, Barbara Lohse and Ellyn. "A Comment on Guthrie J "Integrating Behavioral Economics into Nutrition Education Research and Practice."." Rev. of Integrating Behavioral Economics into Nutrition Education Research and Practice., ed. Karen Chapman Novakofski. Journal of Nutrition Education and Behavior Vol49; Issue 8 2017: 711-712. Print. ~

**Invited Keynote/Presentation:** Lohse, Barbara. "Transitioning About Eating, An Effective Online Program, to a Worksite Wellness Option." Annual Meeting. Society for Nutrition Education and Behavior. Washington, DC. 23 Jul. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Lohse, Barbara. "Validation of the Satter Feeding Dynamics Inventory." Pediatrics Nutrition Support Seminar. University of Rochester School of Medicine. Rochester, NY. 11 Jan. 2017. Lecture. Δ

**Journal Editor:** Lohse, Barbara, ed. Journal of Nutrition Education and Behavior. Philadelphia: Elsevier, 2017. Print.

**Invited Keynote/Presentation:** Lohse, Barbara, et al. "Analyses of DRD2/ANKK1 Polymorphisms Reveal A Potential Role of Dopamine Pathways in Eating Competence." Annual Meeting. Society for Nutrition Education and Behavior. Washington, DC, DC. 21 Jul. 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Lohse, Barbara and Ellyn Satter. "Mealtime Video-Capture Indicated Construct Validity for Measure of Adherence to Satter Division of Responsibility in Feeding." Annual Meeting. Society for Nutrition Education and Behavior. Washington, DC. 21 Jul. 2017. Conference Presentation. «

**Peer Reviewed/Juried Poster Presentation:** Ruder, Elizabeth, et al. "Using a Grocery List is Associated with Higher Diet Quality but not BMI in Parents of School-Aged Children." Proceedings of the Annual meeting. Ed. NA. Washington, DC: n.p.. «

**Peer Reviewed/Juried Poster Presentation:** Wayman, Elizabeth, Leslie Cunningham-Sabo, and Barbara Lohse. "Cognitive Interviews Define Fuel for Fun Physical Activity Survey Items as Face Valid with Rochester, NY Area Fourth Graders." Proceedings of the Annual Meeting of the Society for Nutrition Education and Behavior. Ed. NA. Washington, DC: n.p.. «

**Peer Reviewed/Juried Poster Presentation:** Lohse, Barbara, et al. "Fuel for Fun parent assessments of fruit and vegetable availability and modeling eating behaviors supportive of fruits and vegetables show predictive validity with targeted Health Eating Index components." Proceedings of the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. June 7 - 10 2017, Victoria Canada. Ed. NA. Victoria, BC, Canada: NA. «

**Peer Reviewed/Juried Poster Presentation:** Cunningham-Sabo, Leslie, et al. "Fuel for Fun Child Assessments of Vegetable Preferences and Cooking Selfefficacy Show Predictive Validity with Targeted Healthy Eating Index Components." Proceedings of the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. June 7 - 10 2017, Victoria Canada. Ed. NA. Victoria, BC, Canada: NA. «

**Peer Reviewed/Juried Poster Presentation:** Smith, Stephanie, Barbara Lohse, and Leslie Cunningham-Sabo. "Offering Salad Bars Increased Vegetable Variety and Prevalence of 4th-grade Students Choosing Vegetables and Decreased Plate Waste." Proceedings of the Annual Meeting of the International Society for Behavioral Nutrition and Physical Activity. June 7 - 10 2017, Victoria Canada. Ed. NA. Victoria, BC, Canada: n.p.. «

**Peer Reviewed/Juried Poster Presentation:** Cunningham-Sabo, Leslie, et al. "Challenges and Opportunities for Integrating Cooking Experiences into Nutrition Education for Low-income Children and Youth." Proceedings of the Cook and Health Symposium. Ed. NA. London, England: n.p.. Δ

**Invited Keynote/Presentation:** Ruder, Elizabeth and Barbara Lohse. "Adherence to the Satter Division of Responsibility in Feeding Can Predict Child Nutritional Risk." Annual Meeting. Society for Nutrition Education and Behavior. Washington, DC. 21 Jul. 2017. Conference Presentation. «

**Peer Reviewed/Juried Poster Presentation:** Reigh, Nicole, et al. "An Intervention to Improve Eating Self-regulation in Children Increases Knowledge and Energy Compensation." Proceedings of the Annual Meeting of The Obesity Society at Obesity Week. Ed. NA. Oxon Hill, MD: n.p.. «



## SCHOOL FOR AMERICAN CRAFTS

### Andy Buck, Professor

**Shows/Exhibits/Installations:** Buck, Andy.  
"Minding the Gap" Research and Creativity  
Exhibition. Mar. 2017. University Gallery, RIT,  
Rochester. Exhibit.

**Shows/Exhibits/Installations:** Buck, Andy.  
"New Work". Oct. 2017. Foyer Gallery, School  
of Art & Design, Australian National University,  
Canberra. Exhibit.

**Shows/Exhibits/Installations:** Buck, Andy.  
"Inside Stories"/ Solo Exhibition. Nov. 2017.  
Gallery NAGA, Boston. Exhibit.

**Invited Keynote/Presentation:** Buck, Andy.  
"Slappin' On the Paint". Brown Bag Lecture Series.  
CIAS, RIT. Rochester, NY. 1 Mar. 2017. Lecture.

**Invited Keynote/Presentation:** Buck, Andy.  
"Visiting Critic Lecture." Winter Lecture Series.  
Anderson Ranch Art Center. Snowmass, CO. 5  
Dec. 2017. Lecture.

**Invited Keynote/Presentation:** Buck, Andy.  
"Artist Talk." School of Art and Design. Austra-  
lian National University. Canberra, AU. 20 Sep.  
2017. Lecture.

**Museum Collection Acquisition:** Buck, Andy.  
Totem. Wood, Paint. Australian National Univer-  
sity. (2017).

**Full Length Book:** Buck, Andy and Carl Adam-  
shick. Receipt. 1 ed. Sandpoint, ID: Lost Horse  
Press, 2017. Print.

**Invited Article/Publication:** Buck, Andy. "A Per-  
sonal Look Behind the Sketches and Thoughts  
of an Artist." Post Rochester. (2017). Print.

**Invited Article/Publication:** Kiley, Rich. "Author  
Spotlight: Andy Buck." Athenaeum. (2017). Print.

### Juan Carlos Caballero-Perez, Professor

**Full Length Book:** Editor, Victoria Lansford,.  
Linking Our Lineage. First ed. Eugene, OR: Soci-  
ety of North American Goldsmiths, 2017. Web.

### Peter J Pincus, Visiting Assistant Professor

**Museum Collection Acquisition:** Pincus, Peter.  
Trio of Vessels V. Colored porcelain, gold luster.  
Daum Museum of Contemporary Art. (2017).

**Museum Collection Acquisition:** Pincus, Peter.  
Trio of Vessels VI. Colored porcelain, gold luster.  
Gardiner Museum (Canada). (2017).

**Shows/Exhibits/Installations:** Pincus, Peter.  
New York Ceramics and Glass Fair. Jan. 2017.  
Bohemian National Hall, N. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter.  
Represented by Wexler Gallery. Jan. 2017. FOG  
Design + Art, San Francisco, CA. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter.  
Represented by Galeria-Impakto. Apr. 2017. Art  
Lima, Lima, Peru. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter.  
Hall of Mirrors (solo exhibition). Apr. 2017. Sher-  
ry Leedy Contemporary, Kansas City. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter.  
The Intended Effect. Jun. 2017. Galeria-Impak-  
to, Lima, Peru. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter.  
Represented by Wexler Gallery. May 2017. Col-  
lective Design Fair, New York, NY. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Breaking the Mold. Aug. 2017. Eutectic Gallery, Portland, OR. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Represented by Wexler Gallery. Nov. 2017. The Salon Art + Design, New York, NY. Exhibit.

**Shows/Exhibits/Installations:** Pincus, Peter. Small Works. Nov. 2017. Abel Contemporary, Paoli, WI. Exhibit.

**Invited Keynote/Presentation:** Peter, . "Visiting Artist Demonstration and Lecture." Workshop. Sheridan College. Toronto, Ontario. 20 Jan. 2017. Lecture.

**Invited Keynote/Presentation:** Pincus, Peter. "Visiting Artist Demonstration and Lecture." Workshop. School of the Art Institute of Chicago. Chicago, IL. 5 May 2017. Lecture.

**Invited Keynote/Presentation:** Pincus, Peter. "Visiting Artist Demonstration and Lecture." Workshop. Choplet. New York, NY. 22 May 2017. Lecture.

**Invited Keynote/Presentation:** Pincus, Peter. "Plaster Prototyping." Summer Session #1. Haystack School for Crafts. Deer Isle, ME. 12 Jun. 2017. Conference Presentation.

#### **Adam R Rogers, Visiting Assistant Professor**

##### **National/International Competition Award**

**Winner:** Rogers, Adam. Chicago Athenaeum Museum of Architecture and Design. GOOD DESIGN AWARD. Chicago, IL, 2017. \*

#### **David A Schnuckel, Lecturer**

**Invited Keynote/Presentation:** Schnuckel, David. "Titrations." Robert M. Minkoff Foundation Academic Symposium. Robert M. Minkoff Foundation. Brooklyn, NY. 13 Oct. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Schnuckel, David. "Artist Talk." Visiting Artist Workshop. Toyama City Institute of Glass Art. Toyama City, Japan, Japan. 23 Sep. 2017. Lecture.

**Invited Keynote/Presentation:** Schnuckel, David. "Artist Talk." Visiting Artist Workshop. Kanazawa Utatsuyama Kogei Kobo. Kanazawa, Japan, Japan. 10 Oct. 2017. Lecture.

**Invited Keynote/Presentation:** Schnuckel, David. "Artist Talk." Inspiration in the Highlands. North Lands Creative. Lybster, Caithness, Scotland, Scotland. 15 Aug. 2017. Lecture.

**Invited Keynote/Presentation:** Schnuckel, David. "Artist Talk." Glassolalia. The Studio at The Corning Museum of Glass. Corning, NY. 11 Jul. 2017. Lecture.

**Invited Keynote/Presentation:** Schnuckel, David. "Artist Talk." Visiting Artist Workshop. University of Hawai'i Manoa. Honolulu, HI. 18 Jan. 2017. Lecture.

**Shows/Exhibits/Installations:** Schnuckel, David. The Collection. Sep. 2017. Glazenhuis, Lommel, Belgium. Exhibit.

**Shows/Exhibits/Installations:** Schnuckel, David. Momentum. Sep. 2017. Secor Building, Toledo, Ohio. Exhibit. £

**Shows/Exhibits/Installations:** Schnuckel, David. Gathering. Sep. 2017. Gallery 924, Indianapolis, Indiana. Exhibit. £

**Shows/Exhibits/Installations:** Schnuckel, David. CIAS Faculty Exhibition. Sep. 2017. William Harris Gallery, Rochester, New York. Exhibit.

**Shows/Exhibits/Installations:** Schnuckel, David. Art in Craft Media. Oct. 2017. Burchfield Penney Art Center, Buffalo, New York. Exhibit. £

**Shows/Exhibits/Installations:** Schnuckel, David. Danger and Beauty. Mar. 2017. ICI LABAS Gallery, Beijing, China. Exhibit.

**Shows/Exhibits/Installations:** Schnuckel, David. Up/Rooted. Feb. 2017. Brookline Arts Center, Brookline, MA. Exhibit. £

# Featured Faculty

Christye Sisson is Program Chair and Associate Professor for the Photographic Sciences program, a Bachelor of Science program in the School of Photographic Arts and Sciences in CIAS. She is also the Ronald and Mabel Francis Endowed Chair for Photographic Technology.

She has a Bachelor of Science in Biomedical Photographic Communications and a Master of Science in Information Technology, both from RIT. Her professional background is as a Certified Retinal Angiographer (CRA), a clinical designation for expertise in the field of ophthalmic imaging.

Her current research involves her role as PI in *Project Medisphere*, a portion of a larger government-sponsored project in *Media Forensics (Project MediFor)* (<https://www.darpa.mil/program/media-forensics>). The project is aimed at creating a single, online tool for use by government and law enforcement agencies to detect if an image (or video) has been manipulated or altered, and how it has been altered. The project (called *MediFor*, short for *Media Forensics*) involves many universities, private organizations, and contractors from all over the world.

The recent advent of “fake news” and the sheer number of imaging devices in the hands of citizen journalists, combined with the ease of image manipulation, have meant that images in the digital era are losing credibility as public trust in imagery is eroded. Additionally, government and forensic agencies must often rely on third party experts to analyze images brought in as evidence, as many media forensic algorithms require expert application and “triage,” to determine what algorithm might best be applied for a particular image.

RIT and the Photographic Science’s role is unique in this project, in that we are providing the manipulations for the other teams to test their algorithms of detection. Eight undergraduate students from The School of Photographic Arts and Sciences and the School of Film and Animation are currently employed by the project. The project also involves the Imaging Science department at RIT to help “cover our tracks” to replicate what real life manipulators, with the intent to deceive, might attempt.

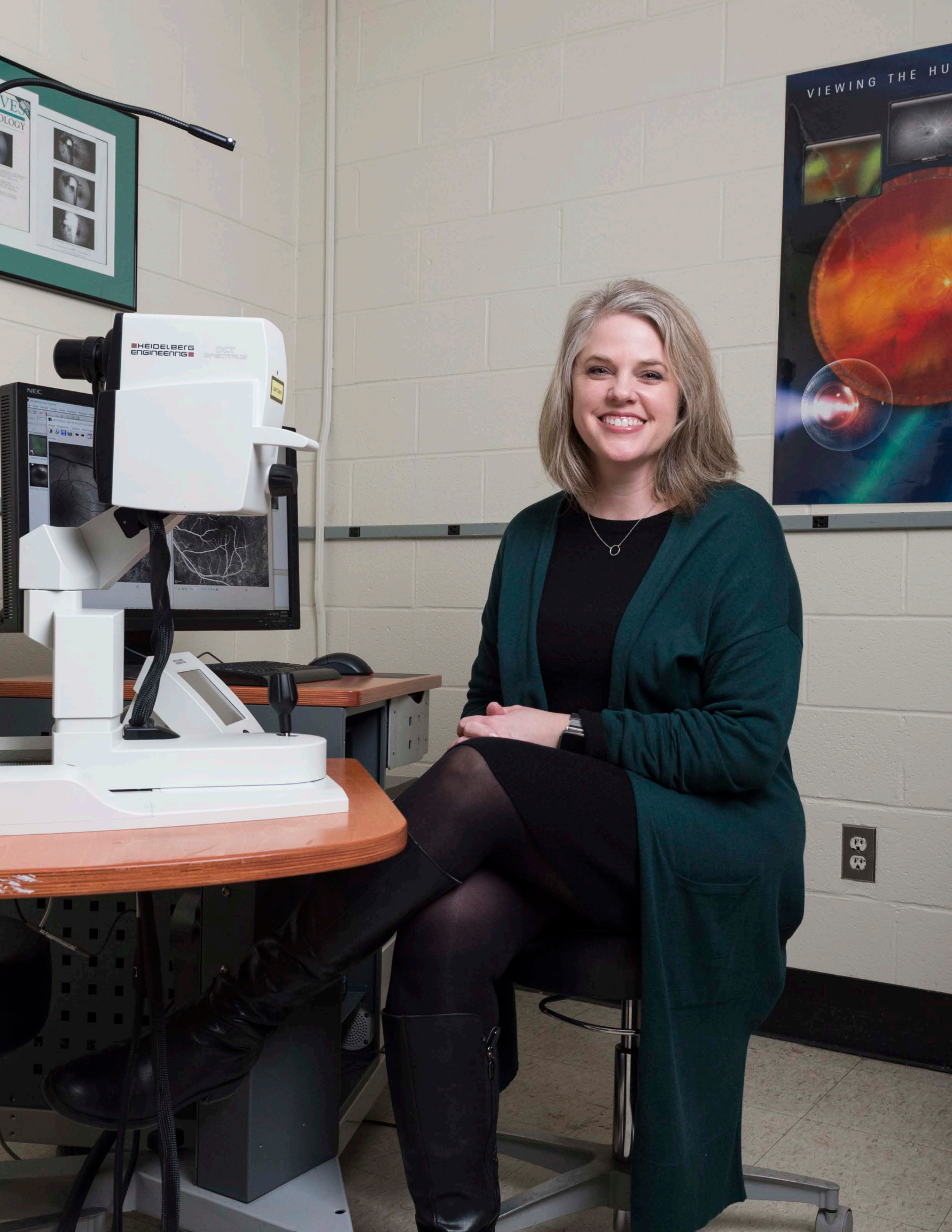
RIT’s primary task is journaling; which is the term used to describe creating and chronicling image manipulations. Manipulations are performed using HP sources and tools such as Photoshop, GIMP, Premiere, AfterEffects or some other editor. In addition to the manipulation itself, the manipulation is “journalled”, chronicling each step taken in performing the manipulation. This tool creates a visual map with masks of each step that acts as a “cheat sheet”. The whole file is then uploaded back to the same browser, where the students can instantly see how the manipulation fared against some standard algorithms of detection. This feedback allows the students to instantly see how well they did (or didn’t do) in escaping detection. Our overarching task is to create manipulations of a certain number, type and category; ranging from challenging to rudimentary; the goal is to mimic what is found in real life.

Christye has also recently completed a textbook, [\*Ophthalmic Imaging: Posterior Segment Imaging, Anterior Eye Photography, and Slit Lamp Biomicrography\*](#). She has also been recently awarded a patent in “Automated Fundus Image Field Detection and Quality Assessment” (<https://patents.justia.com/patent/9905008>) along with partners from the University of Rochester and RIT’s Imaging Science.

## Christye Sisson

Program Chair and Associate Professor  
RIT College of Imaging Arts and Sciences





**Museum Collection Acquisition:** Schnuckel, David. "Exothermic Chance Map Studies". Blown Glass; Paper. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Slump Trajectory (rsu)". Blown and Kiln Formed Glass; Wood. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Slump Trajectory (usd)". Blown and Kiln Formed Glass; Wood. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Cartograph". Blown and Kiln Formed Glass; Video. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Muse Collective". Blown Glass; Paper, Twine. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Pastorelli Trajectory (rsu)". Blown Glass; Video. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Pastorelli Trajectory (usd)". Blown Glass; Video. Toyama City Institute of Glass Art. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Exothermic Chance Map Studies". Blown Glass; Paper. Kanazawa Utatsuyama Kogei Kobo. (2017).

**Museum Collection Acquisition:** Schnuckel, David. "Cartograph". Blown and Kiln Formed Glass. Kanazawa Utatsuyama Kogei Kobo. (2017).

**National/International Competition Award Winner:** Schnuckel, David. The Corning Museum of Glass. New Glass Review #38. Corning, NY, 2017. \*

**Published Review:** Schnuckel, David. "2018 Conference Spotlight." Rev. of Pre-thinking "The Glass Path" with Master Simone Cenedese, ed. Michael Hernandez. GASnews Dec. 2017: 9-10. Web. Δ

**Journal Paper:** Schnuckel, David. "Titrations." 2017 Robert M. Minkoff Academic Symposium. (2017): 5. Web. £

**Published Review:** Schnuckel, David. "A New Vernacular." Rev. of Young Glass 2017 Speaks to the Trajectory of Contemporary Glass, ed. Michael Hernandez. GASnews Sep. 2017: 9-11. Web. Δ

**Published Review:** Schnuckel, David. "Panel Conjecture." Rev. of Performance Anxiety: A Critical Lens on Glass Performance Art, ed. Michael Hernandez. GASnews Jun. 2017: 10-12. Web. Δ

**Full Length Book:** Schnuckel, David. Meaningful Gibberish. 1st ed. Rochester, NY: Blurb, 2017. Web.

**Journal Paper:** Schnuckel, David. "Meaningful Gibberish." The Glass Art Society 45th Annual Conference Journal. (2017): 100-101. Print. Δ

#### Jane M Shellenbarger, Assistant Professor

**Shows/Exhibits/Installations:** Shellenbarger, Jane. Drawing with Form, Solo Exhibition. 28 Mar. 2017. Boger Gallery, College of the Ozarks, Point Lookout, MO. Exhibit. £

**Invited Keynote/Presentation:** Shellenbarger, Jane. "Drawing with Form." Visiting Artist Lecture. College of the Ozarks. Point Lookout, MO. 11 Apr. 2017. Lecture.

## SCHOOL OF ART

#### Michael Amy, Professor

**Journal Editor:** Harper, Glenn, ed. Sculpture. Washington, DC: International Sculpture Center, 2017. Print.

**Invited Article/Publication:** Amy, Michael. "The Dance of Beauty and Failure: A Conversation with Michelle Segre." Sculpture. (2017). Print. ~

**Invited Article/Publication:** Amy, Michael. "Gravity's Pull: A Conversation with Mathilde Roussel." Sculpture. (2017). Print. ~



### Emily L Glass, Visiting Assistant Professor

**Shows/Exhibits/Installations:** Glass, Emily. Tiny Enormous: Art Exploring Microbes. 30 Aug. 2017. Roy C. Moore Art Gallery, University of North Georgia, Gainesville. Exhibit. ≠

**Shows/Exhibits/Installations:** Glass, Emily. Flora or Fauna. 25 May 2017. Maryland Federation of Art, Annapolis. Exhibit. \*

### Donivan Howard, Visiting Assistant Professor

**Shows/Exhibits/Installations:** Howard, Donivan. Harvest. 1 Dec. 2017. Rochester Contemporary Art Center (ROCO), Rochester. Exhibit. \*

### Elizabeth Kronfield, Professor

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. Iron Tribe International Biennial Exhibition. Feb. 2017. New Mexico Highlands University, Las Vegas, NM. Exhibit.

**Published Conference Proceedings:** Kronfield, Elizabeth. "What Does Sex Have to do With it? Examining the Gender Stereotypes of Materials Used to Create Sculpture, Especially Cast Iron." Proceedings of the National Conference on Cast Iron Art. Ed. Stacy Holloway. Birmingham, AL: n.p., Web. ~

### Heidi Nickisher, Senior Lecturer

**Invited Keynote/Presentation:** Nickisher, Heidi. "Capodimonte: Out of the Ruins and Into the Fire." Popular Culture/American Culture Association 2017 National Conference. Popular Culture/American Culture Association. San Diego, CA. 15 Apr. 2017. Conference Presentation. £

### Lauren Ramich, Visiting Assistant Professor

**Invited Keynote/Presentation:** Ramich, Lauren and Melanie Martinek. "Creating Art Lessons with Contextual Meaning." NYSATA Annual Conference. NYSATA. Binghamton, NY. 11 Nov. 2017. Conference Presentation.

### Alan D Singer, Professor

**Invited Article/Publication:** Rosenberg, Gigi. "Make the Most of a Professional Conference." Professional Artist Magazine. (2017). Print. Δ

**Full Length Book:** Singer, Alan and Paul D. Singer. Arthur Singer, Wildlife Art of an American Master. first edition ed. Rochester, NY: RIT Press, 2017. Print. ^

**Shows/Exhibits/Installations:** Singer, Alan. Cloud and Void. 2-3 Dec. 2017. UES Gallery, New York City. Exhibit.

**Shows/Exhibits/Installations:** Singer, Arthur. Arthur Singer, Wildlife Art. Aug. 2017. University Gallery at RIT, Rochester. Exhibit.

### Sarah E Thompson, Associate Professor

**Invited Keynote/Presentation:** Thompson, Sarah and Maile Hutterer. "Decoding Destruction and Decay." College Art Association Annual Meeting. College Art Association. New York, NY. 16 Feb. 2017. Conference Presentation. £

### Amy L Williams

**Shows/Exhibits/Installations:** McLaren, Amy Lucille. Capriccio. 18 Mar. 2017. Oxford Gallery, Rochester. Exhibit.

## SCHOOL OF DESIGN

### Rebecca A Aloisio

**Shows/Exhibits/Installations:** Aloisio, Rebecca. Electric Geometric. Oct. 2017. Norchar and Haus, Rochester NY. Exhibit.

**Invited Article/Publication:** Rose, Renée LaVerné. "Rebecca Aloisio." ACS Magazine July/August 2017 Issue. (2017). Web.

**Shows/Exhibits/Installations:** Aloisio, Rebecca. BigInk at the Ink Shop. Aug. 2017. The Ink Shop and Olive Branch Press, Ithaca NY. Exhibit. \*

### **Meghdad Asadilari, Visiting Assistant Professor**

**Shows/Exhibits/Installations:** Asadilari, Meghdad. Simorgh. 15 Apr. 2017. Museum für Kunst und Gewerbe Hamburg (Hamburg Museum for Art and Design) - Islamic Art Exhibition, Hamburg, Germany. Exhibit.

**Invited Article/Publication:** Harris, Miriam. "This Elegant Animation Uses Birds Created from Persian Calligraphy to Explore Self Worth." Digital Arts Magazine. (2017). Web. ^

**Invited Article/Publication:** Heller, Steven. "Calligraphic Anime." Print Magazine. (2017). Web. ^

**Invited Article/Publication:** Puno, Christian. "Award-Winning Animation 'Simorgh' Claims Numerous Awards and High Praise from all over the World." DesignFaves. (2017). Web. ^

**Shows/Exhibits/Installations:** Asadilari, Meghdad. Simorgh. Jan. 2017. Festivals around the world, NA. Exhibit

### **Deborah A Beardslee, Associate Professor**

**Shows/Exhibits/Installations:** Beardslee, Deborah. Untitled; Untitled (2 Ink Drawings). 2017. Rochester Contemporary Art Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. Open Mike / Digital Photograph. 2017. Bevier Gallery / CIAS / RIT, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. Open Mike II / Digital Photograph. 2017. Rochester Contemporary Art Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Beardslee, Deborah. Ascendants / Photographic Juxtaposition. 2017. 18th Gateway to Imagination National Juried Exhibition / Farmington Art Museum, Farmington, New Mexico. Exhibit. £

**Shows/Exhibits/Installations:** Beardslee, Deborah. Pleiades / Digital Photograph. 27 Aug. 2017. 16th National Animal Art Juried Exhibition / Irving Art Association, Irving, Texas. Exhibit. £

**Shows/Exhibits/Installations:** Beardslee, Deborah. Optimism I / Digital Photograph. 2017. In Transit National Juried Exhibition / Honorable Mention Award / Art League Rhode Island, Providence, Rhode Island. Exhibit. £

**Museum Collection Acquisition:** Beardslee, Deborah. Concurrence / Photographic Juxtaposition. Digital Photography. Bausch & Lomb Corporate Permanent Art Collection. (2017).

**Shows/Exhibits/Installations:** Beardslee, Deborah. Invited Artist / Solo Exhibition: 12 Works / Bausch & Lomb Rotating Art Program. 2017. Bausch & Lomb International Headquarters, Rochester, NY. Exhibit.

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

#### **National/International Competition Award**

**Winner:** Bernardo, Nancy. Graphis Inc. Graphis Design Annual 2017, Merit. New York, NY, 2017. \*

**Shows/Exhibits/Installations:** Bernardo, Nancy. Material Interruption. 2 Sep. 2017. Gallery R, Rochester, NY. Installation.

### **Miguel A Cardona, Visiting Assistant Professor**

**Shows/Exhibits/Installations:** Jr., Miguel A. Cardona. Day Dreams & Chimeras. 1 Dec. 2017. Lovin Cup, Rochester, NY. Exhibit.

**Invited Keynote/Presentation:** Jr, Miguel A Cardona. "Animated GIFs and Beyond: Motion Design for Impact and Performance." Web Unleashed. FITC. Toronto, Ontario. 25 Sep. 2017. Lecture. Δ

**Full Patent:** Jr., Miguel A Cardona, et al. "User Interface for Just-In-Time Image Processing." U.S. Patent US 9654602 B2. 16 May 2017.

### Shaun C Foster, Associate Professor

**Published Conference Proceedings:** Foster, Shaun. "Keeping up with Educational Convergence: Virtual Reality & Internet of Things." Proceedings of the TCC online. Ed. Bert. Honolulu, Hawaii: TCC Online, 2017. Web. \*

**Published Conference Proceedings:** Foster, Shaun. "Integrating Virtual Reality into 3d Design Curriculum." Proceedings of the EDULEARN 17. Ed. (none). Barcelona, Spain: <https://library.iated.org/view/FOSTER2017INT>, 2017. Print. «

### Lorrie Frear, Associate Professor

**Published Conference Proceedings:** Frear, Lorrie and Kelly Murdoch-kitt. "Connecting Campus to Community Through Creative Collaborations." Proceedings of the A2RU. Ed. self. Boston, MA: A2RU, 2017. Web. \*

**Peer Reviewed/Juried Poster Presentation:** Frear, Lorrie. "Interdisciplinary Collaboration in the Classroom." Proceedings of the International Journal of Arts and Sciences. Ed. International Journal of Arts and Sciences. Toronto, Canada, international: IJAS. \*

**Published Conference Proceedings:** Frear, Lorrie and Carol Fillip. "Delve into Design Thinking with STEAM." Proceedings of the ICERI. Ed. ICERI. Sevilla Spain, Spain, international: ICERI, 2017. Web. \*

### Mary E Golden, Assistant Professor

**Published Conference Proceedings:** Golden, Mary, et al. "Redefining an Atmosphere of Learning and Collaboration for the University Writing Commons at the RIT Wallace Center Library." Proceedings of the SUNY Librarian Association Mid Winter Conference. Ed. SUNYLA. Albany, New York: SUNYLA, 2017. Web. «

**Published Conference Proceedings:** Golden, Mary. "Hope For Honduras." Proceedings of the World Design Summit. Ed. Mary Golden. Montreal, ONT: World Design Summit, 2017. Web. «

**Published Conference Proceedings:** Golden, Mary. "Kitchen Evolution." Proceedings of the IDECF Leibrock Universal Design Workshop. Ed. Mary Golden. New York City, NY: IDEC, 2017. Web. «

**Published Conference Proceedings:** Golden, Mary. "A Multidisciplinary Approach to Improving Emergency and Intra Hospital Transportation for Critically Ill Newborns in Honduras." Proceedings of the Consortium of Universities for Global Health. Ed. Mary Golden. New York City, NY: CUGH, 2018. Print. «

### Chris Jackson, Professor

**Full Length Book:** Jackson, Chris. After Effects for Designers: Graphic and Interactive Design in Motion. First ed. New York, New York: Focal Press, 2017. Print. ~

### Alex Lobos, Associate Professor

**Book Chapter:** Ryen, Erinn G., Callie W. Babbitt, and Alex Lobos. "Life cycle thinking and sustainable design for emerging consumer electronic product systems." Routledge handbook of sustainable design. Ed. Rachel Beth Egenhoefer. New, York: Taylor & Francis, 2017. 148-169. Print. Δ

**Book Chapter:** Lobos, Alex. "Mending broken promises in sustainable design." Routledge Handbook of Sustainable Product Design. Ed. Jonathan Chapman. Abingdon, OX: Taylor & Francis, 2017. 145-159. Print. Δ

**Published Conference Proceedings:** Lobos, Alex and Tim Wood. "Statefulness and Tangible Interaction in Industrial Design Education." Proceedings of the Industrial Designers Society of America. Ed. Scott Shim. Atlanta, GA: n.p., 2017. Web. \*

**Published Conference Proceedings:** Lobos, Alex. "Redefining Sustainability Potential in Product Design." Proceedings of the Cumulus REDO Conference. Ed. Anne Louise Bang, Mette Mikkelsen, and Anette Flinck. Kolding, Denmark, DK: Cumulus, 2017. Print. \*

**Invited Article/Publication:** Lobos, Alex. "Concursos de diseño: beneficios desde afuera y desde adentro." Vertice. (2017). Print. Δ

**Published Conference Proceedings:** Lobos, Alex and David Villarreal. "Organic Shapes the Easy Way: Direct Modeling in Fusion 360." Proceedings of the Autodesk University. Las Vegas, NV. Ed. Autodesk. San Francisco, CA: Autodesk, 2017. Web. \*

### Hema Madaka

**Journal Paper:** Paulus, Nick. "Graphic Design in 2018." Graphic Arts 3. 2 (2017): 12-30. Web. \*

### Melissa D Moukperian, Assistant Professor

**Published Conference Proceedings:** Rivera, Michael L., et al. "Stretching the Bounds of 3D Printing with Embedded Textiles." Proceedings of the ACM CHI Conference on Human Factors in Computing Systems, Denver, CO, May 6-11, 2017. Ed. General Chairs: Gloria Mark, Susan Fussell. Denver, Colorado: ACM New York, NY, USA, Web. £

### Hye Jin Nae, Assistant Professor

**Published Conference Proceedings:** Nae, Hye-Jin. "An Interdisciplinary Design Education Framework." Proceedings of the Design for Next. The 12th European Academy of Design Conference, Sapienza University of Rome, Italy, 12-14 April 2017. Ed. Loredana Di Lucchio, Lorenzo Imbesi, Paul Atkinson. Rome, Italy: Informa UK Limited, trading as Taylor & Francis Group, 2017. Web. «

**Published Conference Proceedings:** Nae, Hye-Jin. "Typography Education in an Interdisciplinary Program Through Inclusive Projects." Proceedings of the Typography Day 2017, University of Moratuwa, Sri Lanka, Feb 23-25, 2017. Ed. Dr. Sumanthri Samarawickrama and Prof. Ravi Poovaiah. Katubedda, Moratuwa, Sri Lanka: n.p., 2017. Web. \*

**Published Conference Proceedings:** Nae, Hye-Jin. "Motion Design for Data Visualization and Interactive Prototypes." Proceedings of the Motion Design Education Summit 2017. Ed. Andre Murnieks and Rebecca Tegtmeier. Columbus, OH: Routledge/Focal Press, 2017. Web. \*

**Published Conference Proceedings:** Nae, Hye-Jin and Tim Wood. "Design is STEM! Understanding Interdisciplinary Design Practice, Education and Research." Proceedings of the AIGA Converge, LA, University of Southern California, June 1-3, 2017. Ed. Jessica Barness, et al. Los Angeles, CA: n.p., 2017. Web. «

**Published Conference Proceedings:** Nae, Hye-Jin. "Multidisciplinary New Media Design Undergraduate Program." Proceedings of the Digital Media and Learning Conference. Ed. Andres Lombana-Bermudez, et al. Irvine, CA: DML, 2017. Web. \*

### Marla Schweppe, Professor

**Shows/Exhibits/Installations:** Schweppe, Marla. Projection Design. 17 Sep. 2017. Little Theatre 1, Rochester, NY. Performance.

**Shows/Exhibits/Installations:** Schweppe, Marla. Projection Design. 3-11 Dec. 2017. Kodak Center Theater, Rochester, NY. Performance.

**Shows/Exhibits/Installations:** Schweppe, Marla. Projection Designer. Nov. 2017. Traveling, Rochester, NY. Performance.

**Shows/Exhibits/Installations:** Schweppe, Marla. Virtual Clarinet Player. By Joe Geigel and Vic McGowen. 31 Mar. 2017. Ingle Auditorium @ RIT, Rochester, NY. Performance.

**Published Conference Proceedings:** chair, Marla Schweppe, panel, et al. "Printing on Fabric and Vinyl." Proceedings of the USITT, St. Louis, MO, March 2017. Ed. UK. Liverpool, NY: n.p., 2017. Web. £

**Shows/Exhibits/Installations:** Schweppe, Marla. Farewell to Dawn. By Steven Cerqueira, et al. 6 May 2017. Rochester Fringe Festival, Rochester, NY. Performance.

**Shows/Exhibits/Installations:** models, Marla Schweppe, concept, research, 3D. Women of Rochester Dress. By Shu Chang, 3D & electronic printing, Christine Huesner, fabric printing, and Gail Argetsinger, dress design & construction. 23 Jul. 2017. AAUW, Perkins Mansion, East Avenue, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** RIT, Marla Schweppe - concept, research, 3D models,. Women of Rochester Dress. By Shu Chang, 3D printing & electronics, RIT, Christine Huesner, fabric printing, RIT, and Gail Argetsinger, dress design & construction, SUNY Brockport. Aug. 2017. AAUW, Perkins Mansion, East Avenue, Rochester. Exhibit.

**Shows/Exhibits/Installations:** RIT, Marla Schweppe - concept, research, 3D models,. Women of Rochester Dress. By Shu Chang - 3D prints & electronics, RIT, Christine Huesner - fabric printing, RIT, and Gail Argetsinger - design & construction, SUNY Brockport. Oct. 2017. AAUW, Perkins Mansion, East Avenue, Rochester. Exhibit.

**Shows/Exhibits/Installations:** RIT, Marla Schweppe - concept, research, 3D models,. Women of Rochester Dress. By Shu Chang - 3D prints & electronics, RIT, Christine Huesner - fabric printing, RIT, and Gail Argetsinger - dress design & construction, SUNY Brockport. Nov. 2017. Women's Rights Museum, Seneca Falls, NY. Exhibit.

## SCHOOL OF FILM AND ANIMATION

### Ambarien Alqadar, Assistant Professor

**National/International Competition Award Winner:** Alqadar, Ambarien. Independent Filmmaker. Award of Distinction, Canada Shorts Film Festival. Canada, New Brunswick, 2017.

**National/International Competition Award Winner:** Alqadar, Ambarien. Independent Filmmaker. Mid Atlantic Arts Foundation Creative Fellow. Virginia, VA, 2017. ≠

**Shows/Exhibits/Installations:** Alqadar, Ambarien. Independent Filmmaker. n.d. Canada, New Brunswick. Exhibit.

**National/International Competition Award Winner:** Alqadar, Ambarien. Independent Filmmaker. Official Selection, Oil Valey Film Festival. Oil City, PA, 2017.

**National/International Competition Award Winner:** Alqadar, Ambarien. Independent Filmmaker. Official Selection, YoFi Film Festival. Yonkers, NY.

**Shows/Exhibits/Installations:** Alqadar, Ambarien. Independent Filmmaker. 22 Sep. 2017. The American Center, New Delhi. Exhibit.

**National/International Competition Award Winner:** Alqadar, Ambarien. Independent Filmmaker. Sundance Screenwriters Lab Shortlist. Park City, Utah, 2017.

### Cathleen Ashworth, Professor

**Shows/Exhibits/Installations:** Ashworth, Cathleen. Iroquois Creation Story. 17 Feb. 2017. Copa Shorts Film Festival, Maricopa, AZ. Exhibit.

**National/International Competition Award Winner:** Ashworth, Cathleen. Copa Shorts Film Festival. Best Animation. Maricopa, AZ, 2017.

**Shows/Exhibits/Installations:** Ashworth, Cathleen. Iroquois Creation Story. 21 Oct. 2017. Native Spirit Film Festival 2017, London, England. Exhibit.

**Shows/Exhibits/Installations:** Ashworth, Cathleen. Iroquois Creation Story. 21 Aug. 2017. Wolves International Film Festival, Saldutiškis, Utena, Lithuania. Exhibit.



**Shows/Exhibits/Installations:** Ashworth, Cat. ART Nature. Apr. 2017. Fast Forward Film Festival, Rochester, NY. Exhibit.

#### Jack A Beck, Associate Professor

**Invited Keynote/Presentation:** Beck, Jack A. "A Case for Spectral Music: Score that Inhabits the Diegesis." UFVA - Media Diversity: Inclusion and Convergence. Cal State University, LA. Los Angeles, CA. 1 Aug. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Beck, Jack A. "Challenges and New Approaches to Teaching Music and Sound in Film/New Media." GEECT - Music and Sound Design: When Theory Meets Practice. GEECT at the National Library. Vilnius, Lithuania. 29 Sep. 2017. Conference Presentation. Δ

**Shows/Exhibits/Installations:** Beck, Jack. AUX1. 2007. Eight Festival Screenings, several cities. Exhibit. \*

**Shows/Exhibits/Installations:** Beck, Jack. Fossil Light. 2008. Twenty-One Film Fests, several cities international. Exhibit. \*

#### Thomas D Gasek, Associate Professor

**Full Length Book:** Gasek, Tom. Frame by Frame Stop Motion; The Guide to Non-Puppet Photographic Animation Techniques. second ed. Boca Raton, FL: CRC Press / Taylor and Francis Group, 2017. Print.

**Shows/Exhibits/Installations:** Gasek, Tom. Ain't No Fish. By Miki Cash, Tom Gasek. Jan. 2017. Bridgetown Barbados, Bridgetown, Barbados. Exhibit. \*

#### Brian J Larson, Associate Professor

**Shows/Exhibits/Installations:** Brian, Larson,. Love Song of the Drone. 21 Jan. 2017. KidFilm Festival, Dallas, Texas. Exhibit. ~

**Shows/Exhibits/Installations:** Brian, Larson,. Love Song of the Drone. 21 Apr. 2017. Blackbird Film Festival, Cortland, NY. Exhibit. ~

**Shows/Exhibits/Installations:** Brian, Larson,. Love Song of the Drone. 31 Mar. 2017. Fast Forward Film Festival, Rochester, NY. Exhibit. ~

**Shows/Exhibits/Installations:** Brian, Larson,. Love Song of the Drone. 3 Mar. 2017. Montana International Children's Film Festival, Missoula, Montana. Exhibit. ~

**Shows/Exhibits/Installations:** Brian, Larson,. Love Song of the Drone. 2 Jun. 2017. Okotoks Film Festival, Okotoks, Alberta, Canada. Exhibit. ~

#### David L Long, Associate Professor

**Shows/Exhibits/Installations:** Long, David. Future of Cinema. Dirs. David Long and Ricky Figueroa. 22 Apr. 2017. National Association of Broadcasters, Las Vegas, NV. Exhibit. Δ

**Published Conference Proceedings:** Dining, Anna and David Long. "A User Study of Story Presence in an Immersive Narrative Experience tested with Variant Levels of Immersion." Proceedings of the SMPTE Annual Technology Conference. Ed. Dianne Purrier. Los Angeles, CA: n.p., 2017. Web. £

#### National/International Competition Award

**Winner:** Long, David and Mark Fairchild. Society of Motion Picture and Television Engineers. SMPTE Journal Certificate of Merit. Los Angeles, CA, 2017.

#### National/International Competition Award

**Winner:** Long, David. Society of Motion Picture and Television Engineers. SMPTE Fellow. Los Angeles, CA, 2017.

**Published Conference Proceedings:** DoVale, Elizabeth and David Long. "High Frame Rate Psychophysics: Experimentation to Determine a JND for Frame Rate." Proceedings of the SMPTE Annual Technology Conference. Ed. Dianne Purrier. Los Angeles, CA: n.p., 2017. Web. £

**Peter T Murphey, Assistant Professor**

**Shows/Exhibits/Installations:** Murphey, Peter. "Seen Again" Animated Film. n.d. Film Festivals Various Cities, New York, Chico, Toronto, Kansas City, Los Angeles, Athens (Greece). Exhibit. £

**Syeda A Quadri, Assistant Professor**

**Shows/Exhibits/Installations:** Multiple, . The Character Mosaic Project. By Atia Newman and Mark Reisch. n.d. online, Rochester. Installation. ≠

**Mark J Reisch, Lecturer**

**Shows/Exhibits/Installations:** Reisch, Mark. The Opportunity. 16 Nov. 2017. Rochester Institute of Technology Sofaculty Show, Rochester. Exhibit.

## SCHOOL OF MEDIA SCIENCES

**Christopher Bondy, Visiting Assistant Professor**

**Invited Paper:** Bondy, Christopher and Wesley Odell (student). "The Top Estimating System Requirements in the Modern MIS." WhatTheyThink.com. (2017). Web. Δ

**Shows/Exhibits/Installations:** Bondy, Christopher. Gannett Endowed Professor. 11 Sep. 2017. Print 2017, Chicago. Performance.

**Published Conference Proceedings:** Bondy, Christopher. "Understanding Critical Barriers That Impact Collaborative Doctor-Patient Workflow." Proceedings of the 2017 IEEE International Conference on Biomedical and Health Informatics. Ed. Dimitris Fotiadis (University of Ioannina, Greece) and Bahram Parvin (University of Nevada, Reno, USA). Rosen Plaza Hotel Orlando, Florida,; 2017 IEEE International, 2017. Print. «

**Peer Reviewed/Juried Poster Presentation:** Bondy, Christopher. "Understanding Critical Barriers That Impact Collaborative Doctor-Patient Workflow." Proceedings of the 2017 IEEE International Conference on Biomedical and Health Informatics. Ed. Bahram Parvin (University of Nevada, Reno, USA). Orlando, Florida: 2017 IEEE International. «

**Invited Keynote/Presentation:** Bondy, Christopher. "Unsquaring The Wheel." BCC Keynote/Executive Workshop. BCC Software. Rochester, NY. 1 Aug. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Bondy, Christopher. "The Transformation Mandate." KonicaMinolta PROKOM Webinar. KonicaMinolta. Rochester, NY. 14 Aug. 2017. Lecture.

**Invited Keynote/Presentation:** Bondy, Christopher. "The Transformation Mandate." Print 2017. KonicaMinolta. Chicago, IL. 12 Sep. 2017. Keynote Speech.

**Invited Article/Publication:** Bondy, Christopher and Cary Sherburne. "Making Sense of, and Profits with, Technology." WhatTheyThink.com. (2017). Web. Δ

**Shu Chang, Visiting Assistant Professor**

**Published Conference Proceedings:** Li, Heng, Bruce Myers, and Shu Chang. "A Method to Assess the Cross-Sectional Profile of Fused Deposition Modeling Lines." Proceedings of the 44th International Iarigai Conference. Ed. Cathy Ridgway. Fribourg, Switzerland: n.p., 2017. Web. \*

**Journal Paper:** Li, Heng, Luca Verdi, and Shu Chang. "Benchmarking 3D Printers' Resolutions with Geometric Element Test Targets." Journal of Imaging Science and Technology. (2018): 1-8. Print. \*

**Journal Editor:** Associate-Editor, Shu Chang,, ed. Journal of Imaging Science and Technology. Springfield, VA: JISTEditor@imaging.org, 2017. Web. \*

**Invited Keynote/Presentation:** Chang, Shu. "Printing for Fabrication at Rochester Institute of Technology." International Graphic Communication Week. California Polytechnic State University. San Luis Obispo, CA. 26 Jan. 2017. Guest Lecture. Δ

**Invited Keynote/Presentation:** Heusner, Christine, et al. "Smart Textiles: Bringing Research into the Classroom and Teaching across Disciplines." the Graphic Communications Education Association Annual Conference. Ryerson University. Toronto, Canada. 17 Jul. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Chang, Shu and Amelia Fontanel. "15th Century Technology meeting 21st Century Technology – Engaging 3D Printing in Letterpress Printing in Classroom Teaching." the Graphic Communications Education Association Annual Conference. Ryerson University. Toronto, Canada. 17 Jul. 2017. Conference Presentation. \*

**Shows/Exhibits/Installations:** Team, . THE WOMEN OF ROCHESTER DRESS - THE ROCHESTER CONNECTION: REMARKABLE WOMEN. By Marla Schweppe, et al. Oct. 2017. Women's Rights National Historical Park, Seneca Falls, NY. Exhibit.

**Shows/Exhibits/Installations:** Team, . THE WOMEN OF ROCHESTER DRESS - THE ROCHESTER CONNECTION: REMARKABLE WOMEN. By Marla Schweppe, et al. 2017. American Association-University Women, Rochester, New York. Exhibit.

**Shows/Exhibits/Installations:** Team, . THE WOMEN OF ROCHESTER DRESS - THE ROCHESTER CONNECTION: REMARKABLE WOMEN. By Marla Schweppe, et al. Sep. 2017. College of Imaging Arts and Sciences Faculty Exhibition, Bevier Gallery, Rochester, New York. Exhibit.

**Shows/Exhibits/Installations:** Team, . THE WOMEN OF ROCHESTER DRESS - THE ROCHESTER CONNECTION: REMARKABLE WOMEN. By Marla Schweppe, et al. 6 May 2017. Imagine RIT 2017, Rochester, New York. Exhibit.

**Invited Keynote/Presentation:** Schweppe, Marla, et al. "Printing on Fabric and Vinyl." 57 Annual Conference & Stage Expo, Let Your Creativity Soar. United States Institute for Theatre Technology. St. Louis, MO. 8 Mar. 2017. Lecture. \*

## **Twyla Cummings, Professor**

**Invited Keynote/Presentation:** Ph.D., Twyla J. Cummings,. "Diversity and Inclusion in the U.S. Graphic Communication Industry." 2017 Industry Studies Association Conference. Industry Studies Association. Washington, DC. 25 May 2017. Conference Presentation. Δ

**Journal Paper:** Cummings, Twyla J. "Diversity and Inclusion in the U.S. Graphic Communication Industry." Visual Communications Journal 53. 2 (2017): 3-10. Web. £

## **Elena A Fedorovskaya, Visiting Assistant Professor**

**Invited Paper:** Fedorovskaya, Elena and Shu Chang. "future." future. (2017). Print. Δ

**Published Conference Proceedings:** Fedorovskaya, Elena, et al. "Exploring the Effect of Gray Balance and Tone Reproduction on Consistent Color Appearance." Proceedings of the TAGA 2017, Houston, Texas. Ed. J. Seymour. Houston, TX: Tech Assn of Graphic Arts, 2017. Print. \*

**Published Conference Proceedings:** Chung, Robert, et al. "Predicting Color Image Match." Proceedings of the TAGA 2017. Ed. J. Seymour. Houston, TX: TAGA, 2017. Print. \*

**Published Conference Proceedings:** Fedorovskaya, Elena, Sanjana Kapisthala, and Yington Bu. "Gaze Patterns in Art Viewing and Their Dependencies on Expertise and Image Characteristics." Proceedings of the Human Vision and Electronic Imaging Conference. Ed. B. Rogowitz, T. Pappas, and H. Deridder. San Francisco, CA: IS&T, 2017. Web. \*

**Published Conference Proceedings:** Etchebehere, Sergio and Elena Fedorovskaya. "On the Role of Color in Visual Saliency." Proceedings of the Human Vision and Electronic Imaging Conference, 2017 IS&T Electronic Imaging. Ed. B. Rogowitz, T. Pappas & H. Deridder. San Francisco, CA: IS&T, 2017. Web. \*

### Myrtle R Jones, Assistant Professor

**Journal Paper:** Schultz, Cindy J. Price and Myrtle Jones. "You Can't Do That! A Case Study of Rural and Urban Media Entrepreneur Experience." *International Journal on Media Management* 19. 1 (2017): 11-28. Print. «

### Bruce Myers, Assistant Professor

**Published Conference Proceedings:** Myers, Bruce Leigh. "An Evaluation of the Effect of Instrument Geometry on Color Management for Printed Textiles." *Proceedings of the Technical Association of the Graphic Arts*, March 19 - 22, 2017 Houston, TX. Ed. John Seymour. Warrendale, PA: Printing Industries of America, Print. \*

**Journal Paper:** Myers, Bruce Leigh. "COLORIMETRIC VARIABLES UTILIZED BY U.S. INK COMPANIES." *International Circular of Graphic Education and Research* 9. (2017): 27-36. Print. \*

## SCHOOL OF PHOTOGRAPHIC ARTS & SCIENCES

### Frank J Cost, Professor

**Full Length Book:** Cost, Frank, et al. *Rochester From the Air*. 1 ed. Rochester, NY: School of Photographic arts & Sciences, 2017. Print. ≠

### Denis Defibaugh, Professor

**Shows/Exhibits/Installations:** Defibaugh, Denis. Professor. Jun. 2017. Sisimiut Museum, Sisimiut, Greenland. Exhibit.

**Invited Article/Publication:** Defibaugh, Denis. "Afterlives of Natural History." *Quil Image*. (2017). Print. Δ

### Rachel J Ferraro, Lecturer

**Invited Article/Publication:** Saxena, Jaya and Rachel Jerome Ferraro (Photographer). "Women Hold Two Thirds of Nations Student Loan Debt." *Elle Magazine*. (2017). Web.

**Invited Article/Publication:** Wang, Vivian and Rachel Jerome Ferraro (Photographer). "Sexual Harassment Charges Roil Elite University." *New York Times*. (2017). Print.

**Invited Article/Publication:** Wang, Vivian and Rachel Jerome Ferraro (Photographer). "Rochester Launches New Inquiry Into Harassment Accusations." *New York Times*. (2017). Print.

**Invited Article/Publication:** Bourzac, Katherine and Rachel Jerome Ferraro (Photographer). "Inside the Far-out Glass Lab." *MIT Technology Review*. (2017). Print. ^

**Invited Article/Publication:** Guarino, Ben and Rachel Jerome Ferraro (Photographer). "Professors Urge Students to Avoid University of Rochester." *Washington Post*. (2017). Web.

**Invited Article/Publication:** Leparmentier, Arnaud and Rachel Jerome Ferraro (Photographer). "Kodak et Rochester, Combat pour une Renaissance." *Le Monde*. (2017). Print.

**Invited Article/Publication:** Lie, Tove and Rachel Jerome Ferraro (Photographer). "Presset Fram Gransking av Seksuell Trakassering." *Khrono* (Norway). (2017). Print.

**Shows/Exhibits/Installations:** Ferraro, Rachel Jerome. *Intangible Expedition*. 23 Sep. 2017. Museum of Visual Art, Beijing, China. Exhibit.

**National/International Competition Award Winner:** Ferraro, Rachel J. and Lorrie Frear. *American Advertising Award*. National Silver Award, Magazine Design. New Orleans, LA, 2017. £

### Angela Kelly, Professor

**Shows/Exhibits/Installations:** Kelly, Angela. Mary Somerville, Lewis Hine and Me. 2017. TBA, London. Exhibit.

**Shows/Exhibits/Installations:** Kelly, Angela. *A Green and Pleasant Land: British Landscape and the Imagination: 1970s to Now*. 30 Sep. 2017. Towner Art Gallery, Museum Center, Eastbourne, England, UK. Exhibit.



**Shows/Exhibits/Installations:** Kelly, Angela. CIAS Faculty Exhibition :. Sep. 2017. Bevier Gallery / William Harris Gallery, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Kelly, Angela. Colorful Colliding-International Visual Arts. Sep. 2017. Beijing HBJ flying art Co., Ltd, Beijing, China. Exhibit.

**Shows/Exhibits/Installations:** Kelly, Angela. Every Woman. Jun. 2017. Industry City, Brooklyn, NY. Exhibit.

#### **Ted M Kinsman, Assistant Professor**

**Book Chapter:** Peres, Michael. "Scanning Electron Microscopy." Laboratory Imaging & Photography: Best Practices for Photomicrography & More (Applications in Scientific Photography). New York and London, New York: Focal Press, 2017. 249-268. Print.

**Invited Article/Publication:** Kinsman, Ted. "Build a Simple Cocktail Drinkbot with Arduino." makezine.com. (2017). Web. Δ

**Invited Paper:** Kinsman, Ted. "How to Photograph the Power of a Punch : using polarized light to analyze the dynamics of karate punch." Petapixel.com. (2017). Web. Δ

**Invited Paper:** Kinsman, Ted. "Use Polarized Lighting Techniques to Capture Cool Color Effects." petapixel.com. (2017). Web. Δ

**Invited Paper:** Kinsman, Ted. "The Role of the Slit-Scan Image in Science and Art." Petapixel.com. (2017). Web. Δ

**Invited Paper:** Kinsman, Ted. "Emulate Slit Scan Photography for Beautifully Weird Images." makezine.com. (2017). Web. Δ

**Invited Paper:** Kinsman, Ted. "Emulate Slit Scan Photography for Beautifully Weird Images." www.diyphotography.net. (2017). Web. Δ

#### **Joshua H Meltzer, Assistant Professor**

**Shows/Exhibits/Installations:** Meltzer, Josh. Assistant Professor. By Tamar Carroll and Josh Harris Meltzer. 14 Jan. 2017. Digital Web, Bronx Documentary Center, New York City. Exhibit.

#### **Mary T Mulligan, Professor**

**Full Length Book:** PhD, Therese Mulligan,. Jeannette Klute: A Photographic Pioneer. 1st ed. Rochester, NY: RIT Press, 2017. Print. \*

**Full Length Book:** PhD, Therese Mulligan,. Jeanette Klute: A Photographic Pioneer. 1st ed. Rochester, New York: RIT Press, 2017. Print. \*

**Full Length Book:** Mulligan, Therese. Bernie Boston: An American Photojournalist. first ed. Rochester, NY: RIT Cary Graphics Arts Press, 2006. Print. \*

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

**Shows/Exhibits/Installations:** Peres, Michael. Snowflakes Up Close. 3 Feb. 2017. Rochester Museum and Science Center, Rochester. Installation.

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

**Full Length Book:** Sisson, Christye. Ophthalmic Imaging: Posterior Segment Imaging, Anterior Eye Photography, and Slit Lamp Biomicrography. 1st ed. New York, NY: Focal Press, 2017. Print.

#### **Joshua J Thorson, Assistant Professor**

**Shows/Exhibits/Installations:** Thorson, Joshua. In Xanadu. 12 Apr. 2017. Visual Studies Workshop, Rochester, NY. Installation. ≠

**Shows/Exhibits/Installations:** Thorson, Joshua. Pinochet Porn. Dir. Ellen Cantor. 1 Jun. 2017. ICA London, London, UK. Exhibit. Δ

**Shows/Exhibits/Installations:** Thorson, Joshua. Words and Works. n.d. Malmo University, Malmo, Sweden. Exhibit.

**Shows/Exhibits/Installations:** Thorson, Joshua. In the Matter of J. Robert Oppenheimer. Dir. Nigel Maister. 12-21 Dec. 2017. University of Rochester Todd Union Theater, Rochester, NY. Performance. Δ

#### J A Stephen Viggiano, Assistant Professor

**Published Conference Proceedings:** Viggiano, J A Stephen. "Calculation of Scalars in Neugebauer-Like Models. I: Refactoring the Calculations." Proceedings of the Twenty-fifth Color and Imaging Conference, Lillehammer, Norway, 11-15 September 2017. Ed. IS&T. Lillehammer, Norway: IS&T: The Society for Imaging Science and Technology, 2017. Web. «

**Published Conference Proceedings:** Borrino, Keith, et al. "Sensitivity Analysis Applied to ISO Recommended Camera Color Calibration Methods to Determine How Much of an Advantage, if any, Does Spectral Characterization of the Camera Offer Over the Chart-based Approach." Proceedings of the Digital Photography and Mobile Imaging XIII, IS&T International Symposium on Electronic Imaging Science and Technology. Ed. N/A. Burlingame, CA: IS&T: The Society for Imaging Science and Technology, 2017. Web. \*

**Published Conference Proceedings:** Spooner, Amelia, et al. "Assessing the Ability of Simulated Laboratory Scenes to Predict the Image Quality Performance of HDR Captures (and Rendering) of Exterior Scenes Using Mobile Phone Cameras." Proceedings of the Electronic Imaging, Image Quality and System Performance XIV. Ed. N/A. Burlingame, CA: IS&T: The Society for Imaging Science and Technology, 2017. Web. \*

#### Catherine Zuromskis, Assistant Professor

**Book Chapter:** Zuromskis, Catherine. "Crimes Seen and Unseen: Fantasies and Failures of Photographic Truth in Joel Sternfeld's On This Site and Trevor Paglen's Limit Telephotography." Photography and Failure. Ed. Kris Belden-Adams. New York, NY: Bloomsbury, 2017. 81-94. Print. \*

**Published Review:** Zuromskis, Catherine. "Review of 'A Matter of Memory: Photography as Object in the Digital Age' at the George Eastman Museum." Rev. of "A Matter of Memory: Photography as Object in the Digital Age", ed. Lisa Hostetler. *afterimage* Jan. 2017: 34-36. Print. Δ

**Invited Keynote/Presentation:** Zuromskis, Catherine. "Facts and Feelings: LIFE magazine and the Zapruder Film." LIFE Magazine Scholar's Day. Princeton University Art Museum. New York, NY. 28 Mar. 2017. Conference Presentation. Δ

**Journal Paper:** Zuromskis, Catherine. "All One Life": Celebrity and Intimacy in the Photographs of Annie Leibovitz." *Photography and Culture* 10. 3 (2017): 1-19. Print. \*

## DEAN'S OFFICE

### Laverne McQuiller, Professor

**Journal Paper:** Williams, LaVerne McQuiller, et al. "The Impact of Sexual Orientation on College Student Victimization: An Examination of Sexual Minority and Non-Sexual Minority Student Populations." *Psychology* 8. (2017): 1728-1747. Web. \*

**Journal Paper:** Williams, LaVerne McQuiller, Mark Beaulieu, and Judy Porter. "Intimate Partner Violence, Sexual Assault and Sexual Harassment in a College Sample: Does Auditory Status and Gender Have an Effect?" *Psychology* 8. (2017): 387-411. Web. \*

**Book Chapter:** Williams, LaVerne McQuiller. "Sexual Assault Among Deaf and Hard of Hearing College Students: A Review." *Critical Perspectives on Sexual Violence on the College Campus: Centering Historically Marginalized Voices*. Ed. Jessica Harris. Sterling, Virginia: Stylus Publishing, 2017. 140-154. Print. \*

### James Winebrake, Professor

**Journal Paper:** Winebrake, James J and Erin H Green. "Environmental Policy, Decision Making, and Rebound Effects in The U.S. Trucking Sector." *Research in Transportation Business and Management* 23. (2017): 54-63. Print. \*

## DEPARTMENT OF COMMUNICATION

### Eun Sook Kwon, Assistant Professor

**Journal Paper:** Kim, Jooyoung, Eun Sook Kwon, and Bong-chul Kim. "Personality Structure of Brands on Social Networking Sites and Its Effects on Brand Affect and Trust: Evidence of Brand Anthropomorphization." *Asian Journal of Communication* 28. 1 (2018): 93-113. Print. \*

**Journal Paper:** Kwon, Eun Sook, et al. "Impact of Media Context on Advertising Memory: A Meta-Analysis." *Journal of Advertising Research*. (2018): not assigned. Print. \*

**Journal Paper:** Kim, Jooyoung, et al. "TV Advertising Engagement as a State of Immersion and Presence." *Journal of Business Research* 76. (2017): 67-76. Print. \*

**Published Conference Proceedings:** Kwon, Eun Sook, et al. "A Meta-Analysis of the Impact of Media Context on Ad Attitudes." *Proceedings of the 2017 Global Conference of the American Academy of Advertising*. Ed. Jisu Huh. Minneapolis, MN: n.p., Web. \*

### Hinda B Mandell, Assistant Professor

**Full Length Book:** Mandell, Hinda. *Sex Scandals, Gender and Power in Contemporary American Politics*. Santa Barbara, CA: Praeger, 2017. Print. ~

### Bonnie J Mc Cracken

**Journal Paper:** Nickels, Bonnie M. and Thomas H. Feeley. "Breaking Bad News in Veterinary Medicine." *Health Communication*. (2017): 1-9. Web. \*

**Journal Paper:** Nickels, Bonnie M. and Kelly E. Tenzek. "End-of-Life in Disney and Pixar Films: An Opportunity for Engaging in Difficult Conversation." *Omega: Journal of Death and Dying*. (2017): 0. Web. \*

### Rudy Pugliese, Professor

**Journal Paper:** Jackson, Alyssa and Rudy Pugliese. "Resetting and Reinventing Print Media: Learning from College Media." *Journal of Media Critiques* 3. 9 (2017): 11-24. Web. \*

**Journal Paper:** Pugliese, Rudy and Karen de la Rosa Herrera. "The Uses and Gratifications of Music among Emerging Adults." *International Journal of Arts & Sciences* 10. 1 (2017): 351-364. Web. «

**Jonathan Schroeder, Professor**

**Full Length Book:** Borgerson, Janet and Jonathan Schroeder. *Designed for Hi-Fi Living: The Vinyl LP in Midcentury America*. Cambridge, MA: MIT Press, 2017. Print. \*

**Journal Paper:** Schroeder, Jonathan E. "Corporate Branding in Perspective: A Typology." *European Journal of Marketing* 51. 9/103 (2017): 1522-1529. Print. «

**Published Review:** Schroeder, Jonathan E. "Rock Covers, by Robbie Busch, Jonathan Kirby, and Julius Wiedemann." Rev. of *Rock Covers*, by Robbie Busch, Julius Wiedemann, and Jonathan Kirby. *Visual Communication Quarterly* 2017: 60-61. Print. £

**Published Review:** Schroeder, Jonathan and Janet Borgerson. "Vinyl Freak: Love Letters to a Dying Medium." Rev. of *Vinyl Freak: Love Letters to a Dying Medium*, by John Corbett. *Popular Music and Society* 25 Jul. 2017: 1-3. Web. £

**Invited Keynote/Presentation:** Schroeder, Jonathan. "Brands and the Visual." Visualizing Research. EM Lyon. Lyon, France. 10 May 2017. Keynote Speech. Δ

**Journal Paper:** Wu, Zhiyan, et al. "Forms of Inconspicuous Consumption: What Drives Inconspicuous Luxury Consumption in China?" *Marketing Theory* 17. 4 (2017): 491-516. Print. «

**Invited Article/Publication:** Keinan, Anat, et al. "Shang Xia: The Creation of a Chinese Luxury Lifestyle Brand." Harvard Business School Case Study. (2017). Print. Δ

**Book Chapter:** Pongsakornrungrasit, Siwarit and Jonathan E. Schroeder. "Consumers and Brands: How Consumers Co-Create." *Routledge Handbook on Consumption*. Ed. Margit Keller, et al. London, UK: Routledge, 2017. 89-101. Print. Δ

**Book Chapter:** Borgerson, Janet and Jonathan Schroeder. "Hawaii: A Historical Exemplar of Audio Branding." *Audio Branding: Using Sound to Build Your Brand*. Ed. Laurence Minsky and Collen Fahey. London, UK: Kogan-Page, 2017. 162-170. Print. Δ

**Journal Editor:** Schroeder, Jonathan E., ed. *Consumption Markets & Culture*. London: Routledge, 2017. Print. «

**Invited Article/Publication:** Borgerson, Janet L. and Jonathan E. Schroeder. "Visions of Hi-Fi Life in Midcentury Media: The LP as Pedagogical Object,." *Media@LSE Working Paper Series*. (2017). Web. \*

**Invited Keynote/Presentation:** Schroeder, Jonathan. "Art, Humor, and Parody in Consumer Culture Research: The Case of Re Made." Consumer Culture Theory Conference. University of California-Irvine. Anaheim, CA. 10 Jul. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Borgerson, Janet and Jonathan Schroeder. "Designed for Hi-Fi Living: The Vinyl LP in Midcentury America." Tucson Modernism Week. Tucson Historic Preservation Association. Tucson, AZ. 14 Oct. 2017. Keynote Speech. Δ

**Invited Keynote/Presentation:** Borgerson, Janet and Jonathan Schroeder. "Designed for Hi-Fi Living: The Vinyl LP in Midcentury America." Visual Communication Conference. Seattle Pacific University. Whidbey Island, WA. 22 Jun. 2017. Conference Presentation. £

**Invited Article/Publication:** Borgerson, Janet and Jonathan Schroeder. "Vintage Vinyl Can Tell Us About Cold War Tensions and Cultural Diplomacy." *USApp – American Politics and Policy Blog*. (2017). Web. Δ



# Featured Faculty

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As a Clinical Psychologist, her research focuses on developmental pathways to risk and resilience, especially within early development from pregnancy to early childhood. In particular, she is interested in how parent and family influences impact the development of psychopathology. For example, how parent substance use, discipline practices, and partner relationships may impact the development of mental health problems in childhood, such as aggression and Attention-Deficit/Hyperactivity Disorder. In order to address her questions regarding developmental psychopathology, she utilizes a variety of assessment methodologies, such as parent-child interaction paradigms, as well as statistical procedures, including structural equation modeling. The ultimate goal of her work is to create community intervention and prevention programs.

Student centered research is at the heart of her work, both inside and outside of the classroom. Her goal is for students to further hone their skills to be able to critically and creatively face new classes and challenges. Student involvement in research and gaining exposure to empirical work are central to her courses and lab work.

She is currently working on one grant funded project as a Co-Investigator and several collaborative projects. The funded project titled “Developmental Pathways of Violence and Substance Use in a High Risk Sample” focuses on developmental pathways leading to weapon carrying, violence and victimization, and substance use in adolescence. She is also working on a collaborative project with Dr. Cory Crane investigating violence, partner relationships, and substance use among emerging adults. An additional collaborative project with Dr. Joseph Baschnagel examines social cognition and psychophysiology in order to better understand impulsive emotional and social behavior. Drs. Baschnagel and Godleski have also started the RIT Health and Addiction Research Center (HARC) which they created, as co-directors, to facilitate research and advancement of knowledge in health and addictions through community partnerships and interdisciplinary collaboration.

## **Stephanie Godleski**

Assistant Professor  
RIT College of Liberal Arts



**Invited Keynote/Presentation:** Borgerson, Janet and Jonathan Schroeder. "Designed for Hi-Fi Living: The Vinyl LP in Midcentury America." MIT Press book talk series. The Collective UK. London, UK. 20 Nov. 2017. Lecture. Δ

**Invited Keynote/Presentation:** Borgerson, Janet and Jonathan Schroeder. "Designed for Hi-Fi Living: The Vinyl LP in Midcentury America." School of Management Seminar Series. Royal Holloway, University of London. London, UK. 21 Nov. 2017. Lecture. Δ

**Journal Paper:** Modrak, Rebekah and Jonathan Schroeder. "Performing Skepticism Through Parody: Re Made Company's Media Critique." *Afterimage: The Journal of Arts and Media Criticism* 45. 2/3 (2017): 47-51. Print. £

#### Tracy Worrell, Associate Professor

**Invited Keynote/Presentation:** Martin, Kelly and Tracy R. Worrell. "New Evidence for the Importance of Design Instruction and the Development of Design Scales." Visual Communication Division. National Communication Association. Dallas, TX. 20 Nov. 2017. Conference Presentation. «

### DEPARTMENT OF CRIMINAL JUSTICE

#### Laverne McQuiller, Professor

**Journal Paper:** Williams, LaVerne McQuiller, et al. "Investigating the Risk of Date Rape by Auditory Status." *Violence and Victims* 32. (2017): 1044-1062. Print. \*

#### Christopher Schreck, Professor

**Full Length Book:** Schreck, Christopher J. *Encyclopedia of Juvenile Delinquency and Juvenile Justice*. Malden, MA: Wiley-Blackwell, 2017. Print.

**Journal Paper:** Schreck, Christopher J., et al. "Does the Nature of the Victimization-Offending Association Fluctuate over the Life Course? An Examination of Adolescence into Early Adulthood." *Crime & Delinquency* 63. (2017): 786-813. Print. \*

**Book Chapter:** Schreck, Christopher J. "Self-Control Theory." *Encyclopedia of Juvenile Delinquency and Juvenile Justice*. Ed. Christopher J. Schreck. Malden, MA: Wiley-Blackwell, 2017. 100-124. Print. Δ

**Book Chapter:** Schreck, Christopher J. "Cycle of Juvenile Justice." *Encyclopedia of Juvenile Delinquency and Juvenile Justice*. Ed. Christopher J. Schreck. Malden, MA: Wiley-Blackwell, 2017. 100-124. Print. Δ

#### Jason Scott, Associate Professor

**Journal Paper:** Scott, Jason D., et al. "Investigating the Risk of Date Rape by Auditory Status." *Violence and Victims* 32. 6 (2017): 1044-1062. Print. «

#### Tony Smith, Associate Professor

**Journal Paper:** Williams, LaVerne McQuiller, et al. "Investigating the Risk of Date Rape by Auditory Status." *Violence and Victims* 32. 6 (2017): 1044-1062. Print. \*

### DEPARTMENT OF ECONOMICS

#### Amit Batabyal, Professor

**Journal Paper:** Batabyal, Amit and Seung Jick Yoo. "Effort Application in an Arranged Marriage." *Theoretical Economics Letters* 7. (2017): 23-29. Web. \*

**Journal Paper:** Batabyal, Amit and Hamid Beladi. "Cheating on Your Spouse: A Game-Theoretic Analysis." *Theoretical Economics Letters* 7. (2017): 79-85. Web. \*

**Journal Paper:** Batabyal, Amit and Seung Jick Yoo. "On Research and Development in a Model of Schumpeterian Economic Growth in a Creative Region." *Technological Forecasting and Social Change* 115. (2017): 69-74. Print. «

**Journal Paper:** Batabyal, Amit. "A Game Model of Optimal Apartment Cleaning by College Students." *Theoretical Economics Letters* 7. (2017): 218-222. Web. \*



**Journal Paper:** Batabyal, Amit and Hamid Beladi. "Patent Protection in a Model of Economic Growth in Multiple Regions." *Networks and Spatial Economics* 17. (2017): 255-268. Print. \*

**Journal Paper:** Batabyal, Amit. "A Game-Theoretic Approach to Catching a Cheating Spouse." *Theoretical Economics Letters* 7. (2017): 464-470. Web. \*

**Journal Paper:** Batabyal, Amit. "Output, Growth, and Convergence in a Creative Region: An Analysis of Some Measurement Issues." *Regional Science Inquiry* 9. (2017): 11-19. Print. \*

**Journal Paper:** Batabyal, Amit. "Optimal Apartment Cleaning by Harried College Students: A Game-Theoretic Analysis." *Theoretical Economics Letters* 7. (2017): 1255-1260. Web. \*

**Journal Paper:** Batabyal, Amit and Hamid Beladi. "A Game Model of Competition between a New Good Producer and a Remanufacturer Using Negative Advertising." *Asia-Pacific Journal of Regional Science* 1. (2017): 329-336. Print. «

**Journal Paper:** Batabyal, Amit. "A Note on Optimal Income Redistribution in a Creative Region." *Regional Science Inquiry* 9. (2017): 39-44. Print. \*

**Journal Paper:** Batabyal, Amit and Hamid Beladi. "Cleaning the Ganges in Varanasi to Attract Tourists." *Atlantic Economic Journal* 45. (2017): 511-513. Print. \*

**Invited Keynote/Presentation:** Batabyal, Amit. "On Pessimism and Optimism by Forward Looking Agents and the Need for Pensions." Association of Indian Economic and Financial Studies Biennial Conference. N. Choudhury Center for Development Studies. Bhubaneswar, India, Odisha. 1 Aug. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Creative Capital, Information and Communication Technologies, and Economic Growth in Smart Cities." Southern Regional Science Association Annual Meeting. Southern Regional Science Association. Memphis, TN. 1 Apr. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Creative Capital, Information and Communication Technologies, and Economic Growth in Smart Cities." Midwest Economic Theory Conference. University of Kentucky. Lexington, KY. 20 May 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Creative Capital, Information and Communication Technologies, and Economic Growth in Smart Cities." Association of Indian Economic and Financial Studies Biennial Conference. N. Choudhury Center for Development Studies. Bhubaneswar, India, Odisha. 1 Aug. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Creative Capital, Information and Communication Technologies, and Economic Growth in Smart Cities." European Regional Science Association Annual Congress. European Regional Science Association. Groningen, Netherlands, Groningen. 28 Aug. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "On Research and Development in a Model of Schumpeterian Economic Growth in a Creative Region." Southern Regional Science Association Annual Meeting. Southern Regional Science Association. Memphis, TN. 1 Apr. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "On Research and Development in a Model of Schumpeterian Economic Growth in a Creative Region." European Regional Science Association Annual Congress. European Regional Science Association. Groningen, Netherlands, Groningen. 29 Aug. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Effort Application in an Arranged Marriage: A Game-Theoretic Analysis." Allied Social Science Association Meeting. Association of Indian Economic and Financial Studies. Chicago, IL. 3 Jan. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "New Technological Knowledge, Rural and Urban Agriculture, and Steady State Economic Growth." The Regional Science Academy Workshop. The Regional Science Academy. Dalfsen, Netherlands, Dalfsen. 23 Aug. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "The National Debt and International Trade: A Contemporary Perspective." Pfaudler Lecture. Osher Lifelong Learning Institute. Rochester, NY. 21 Sep. 2017. Lecture. £

**Invited Keynote/Presentation:** Batabyal, Amit. "A Two-Sector Model of Creative Capital Driven Regional Economic Growth." Regional Science Association International Japan Section Annual Conference. Regional Science Association International Japan Section. Kyoto, Japan, Kyoto. 8 Oct. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Artists, Engineers, and Aspects of Economic Growth in a Creative Region." Regional Science Association International Japan Section Annual Conference. Regional Science Association International Japan Section. Kyoto, Japan, Kyoto. 8 Oct. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Artists, Engineers, and Aspects of Economic Growth in a Creative Region." North American Regional Science Council Annual Conference. North American Regional Science Council. Vancouver, Canada, BC. 16 Nov. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Schumpeterian Creative Class Competition, Innovation Policy, and Regional Economic Growth." North American Regional Science Council Annual Conference. North American Regional Science Council. Vancouver, Canada, BC. 15 Nov. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Batabyal, Amit. "Schumpeterian Creative Class Competition, Innovation Policy, and Regional Economic Growth." International Conference. Renmin University of China. Beijing, China, Beijing. 8 Dec. 2017. Conference Presentation. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of The Emperor Far Away, by D. Eimer. Review of Regional Studies 15 Mar. 2017: 117-119. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of Rise of the Robots, by M. Ford. Interfaces 15 Mar. 2017: 189-190. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of Ascending India and its State Capacity, by S. Ganguly and W.R. Thompson. Choice 15 Jun. 2017: 1558-1559. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of Eyes on the Street, by R. Kanigel. Papers in Regional Science 15 Oct. 2017: 446-447. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of Sustainability for a Warming Planet, by H. Llavador, J. Roemer, and J. Silvestre. Interfaces 15 Jun. 2017: 276-277. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of The Undoing Project, by M. Lewis. Interfaces 15 Sep. 2017: 367-368. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of Regional Free Trade Areas and Strategic Trade Policies, eds. T. Ohkawa, et al. Studies in Regional Science 15 Oct. 2017: 89-90. Print. £



**Published Review:** Batabyal, Amit. "Book Review." Rev. of The Social Footprints of Global Trade, by A. Alsamawi, et al. Interfaces 15 Dec. 2017: 467-468. Print. £

**Published Review:** Batabyal, Amit. "Book Review." Rev. of The End of Theory, by R. Books-taber. Interfaces 15 Dec. 2017: 574-575. Print. £

**Invited Article/Publication:** Batabyal, Amit. "Tuition-Free College: Should We support It?" Rochester Business Journal, 27 January. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Can Trump Bring Back U.S. Manufacturing Jobs?" Rochester Business Journal, 17 February. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Automation and Job Losses: Which Way Now?" Rochester Business Journal, 24 March. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Is it Clean Driving?" Rochester Democrat and Chronicle, 22 April. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Are Mergers Good for Consumers in the Long Run?" Rochester Business Journal, 5 May. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Why the Wealthy Have All the Money, or Almost." Rochester Business Journal, 16 June. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Should we Think Seriously about a Universal Basic Income?" Rochester Business Journal, 4 August. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "A View of Free Speech." Rochester Democrat and Chronicle, 26 August. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Management Lessons from Hurricanes Harvey and Irma." Rochester Business Journal, 22 September. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Is Rochester Too Big, Too Small, or Just Right?" Rochester Business Journal, 27 October. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "How to Ease Foreclosures in a Crisis." Rochester Business Journal, 8 December. (2017). Print. £

**Invited Article/Publication:** Batabyal, Amit. "Why Should the Government Subsidize a College Education?" Rochester Business Journal, 29 December. (2017). Print. £

**Journal Editor:** Batabyal, Amit, ed. Letters in Spatial and Resource Sciences. Heidelberg, Germany: Springer Nature, 2017. Web. \*

**Journal Editor:** Editor, Amit Batabyal, Associate, ed. Journal of Regional Science. Medford, MA: Wiley, 2017. Print. «

**Journal Editor:** Editor, Amit Batabyal, Associate, ed. Asia-Pacific Journal of Regional Science. Tokyo, Japan: Springer Nature, 2017. Print. «

**Journal Editor:** Editor, Amit Batabyal, Associate, ed. Economics Bulletin. Nashville, TN: Economics Bulletin, 2017. Web. \*

**Journal Editor:** Council, Amit Batabyal, Editorial, ed. Review of Development Economics. Malden, MA: Blackwell, 2017. Print. \*

**Journal Editor:** Board, Amit Batabyal, Editorial, ed. New Frontiers in Regional Science: Asian Perspectives. Tokyo, Japan: Springer Nature, 2017. Print. \*

**National/International Competition Award Winner:** Batabyal, Amit. Japan Section, Regional Science Association International. Outstanding Book Publication Award. Kyoto, Japan, Kyoto, 2017. £

**National/International Competition Award**

**Winner:** Batabyal, Amit. Japan Section, Regional Science Association International. Honorary Member. Kyoto, Japan, Kyoto, 2017. £

**Shows/Exhibits/Installations:** Batabyal, Amit. WXXI 1370AM Rochester Business Report. 16 Mar. 2017. WXXI Studio, Rochester. Performance. £

**Shows/Exhibits/Installations:** Batabyal, Amit. Connections with Evan Dawson. 18 May 2017. WXXI Studio, Rochester. Performance. £

**Shows/Exhibits/Installations:** Batabyal, Amit. Connections with Evan Dawson. 20 Jun. 2017. WXXI Studio, Rochester. Performance. £

**Shows/Exhibits/Installations:** Batabyal, Amit. WXXI 1370AM Rochester Morning News. 19 Oct. 2017. WXXI Studio, Rochester. Performance. £

**Shows/Exhibits/Installations:** Batabyal, Amit. Connections with Evan Dawson. 14 Nov. 2017. WXXI Studio, Rochester. Performance. £

**Shows/Exhibits/Installations:** Batabyal, Amit. ABC Rochester News at 11pm. 27 Nov. 2017. ABC Studio, Rochester. Performance. £

**External Scholarly Fellowships/National Review Committee:**

6/1/2017 -

8/31/2017

Charles Koch Foundation

Amount: \$10,000

£

**Journal Paper:** Batabyal, Amit and Hamid Beladi. "Cleaning the Ganges in Varanasi to Attract Tourists." Munich Personal RePEc Archive. MPRA Paper No. 82376 (2017): 1-6. Web. £

**Journal Paper:** Batabyal, Amit and Seung Jick Yoo. "A Measurement Issue Regarding the Link between a Region's Creative Infrastructure and its Income." Munich Personal RePEc Archive. MPRA Paper No. 82351 (2017): 1-15. Web. £

**Journal Paper:** Batabyal, Amit and Seung Jick Yoo. "A Note on Schumpeterian Competition in the Creative Class and Innovation Policy." Munich Personal RePEc Archive. MPRA Paper No. 80127 (2017): 1-17. Web. £

**Journal Paper:** Batabyal, Amit. "Optimal Apartment Cleaning by Harried College Students: A Game-Theoretic Analysis." Munich Personal RePEc Archive. MPRA Paper No. 79887 (2017): 1-11. Web. £

**Journal Paper:** Batabyal, Amit. "A Note on Optimal Income Redistribution in a Creative Region." Munich Personal RePEc Archive. MPRA Paper No. 79676 (2017): 1-12. Web. £

**Journal Paper:** Batabyal, Amit and Peter Nijkamp. "A Two-Sector Model of Creative Capital Driven Regional Economic Growth." Munich Personal RePEc Archive. MPRA Paper No. 79572 (2017): 1-20. Web. £

**Journal Paper:** Batabyal, Amit and Hamid Beladi. "Artists, Engineers, and Aspects of Economic Growth in a Creative Region." Munich Personal RePEc Archive. MPRA Paper No. 79573 (2017): 1-19. Web. £

**Journal Paper:** Batabyal, Amit. "A Game Model of Optimal Apartment Cleaning by College Students." Munich Personal RePEc Archive. MPRA Paper No. 76663 (2017): 1-11. Web. £

**Journal Paper:** Batabyal, Amit and Peter Nijkamp. "On Pessimism and Optimism by Forward Looking Agents and the Need for Social Security." Munich Personal RePEc Archive. MPRA Paper No. 75965 (2017): 1-24. Web. £

**Full Length Book:** Batabyal, Amit and Peter Nijkamp. Regional Growth and Sustainable Development in Asia. 1 ed. Tokyo, Tokyo: Springer Nature, 2017. Print. \*

**Book Chapter:** Batabyal, Amit and Peter Nijkamp. "Introduction to Regional Growth and Sustainable Development in Asia." *Regional Growth and Sustainable Development in Asia*. Ed. Amit Batabyal and Peter Nijkamp. Tokyo, Tokyo: Springer Nature, 2017. 3-19. Print. \*

**Bharat Bhole, Associate Professor**

**Journal Paper:** Bhole, Bharat and Bríd Hanna. "The Effectiveness of Online Reviews in the Presence of Self-Selection Bias." *Simulation Modelling Practice and Theory* 77. September (2017): 108-123. Print. \*

**Javier Espinosa, Associate Professor**

**Journal Paper:** Espinosa, Javier and William N. Evans. "Heightened Mortality After the Death of a Spouse: Marriage Protection or Marriage Selection?" *Journal of Health Economics* 27. 5 (2008): 1326-1342. Print. \*

**Journal Paper:** Espinosa, Javier, et al. "Project ¡ÉXITO!: Success Through Diversity and Universality for Outcomes Improvement Among Hispanic Home Care Patient." *Nursing Outlook* 57. 5 (2009): 266-273. Print. «

**Priti Kalsi, Assistant Professor**

**Invited Article/Publication:** Kalsi, Priti. "How One Law Measurably Lifted the Status of Women in India." *Harvard Business Review*. (2017). Web. Δ

**Journal Paper:** Kalsi, Priti. "Seeing is Believing-Can Increasing the Number of Female Leaders Reduce Sex Selection in Rural India?" *Journal of Development Economics* 126. (2017): 1-18. Print. \*

**Nikolaus Kasimatis, Assistant Professor**

**Journal Paper:** Robalino, Nikolaus, Arthur Robson, and Erik Kimbrough. "Applying Theory of Mind: Theory and Experiments." *Games and Economic Behavior*. (2017): 209-226. Print. «

**Eddery Lam, Assistant Professor**

**Journal Paper:** Lam, Eddery and Andrew Ojede. "The Impact of Changes in Monetary Aggregates on Exchange Rate Volatility in a Developing Country: Do Structural Breaks Matter?" *Economics Letters* 115. (2017): 111-115. Print. \*

**Jeffrey Wagner, Professor**

**Journal Paper:** Wagner, Jeffrey. "Humanities as Technology in Teaching Economics." *International Review of Economics Education* 25. (2017): 35-40. Print. «

**Journal Paper:** Schreck, Maximilian and Jeffrey Wagner. "Incentivizing Secondary Raw Material Markets for Sustainable Waste Management." *Waste Management* 67. (2017): 354-359. Print. \*

**DEPARTMENT OF ENGLISH**

**Cecilia Alm, Assistant Professor**

**Published Conference Proceedings:** Gangji, Aliya, Trevor Walden, Preethi Vaidyanathan, Emily Prud'hommeaux, Reynold Bailey, and Cecilia O. Alm. "Using co-captured face, gaze and verbal reactions to images of varying emotional content for analysis and semantic alignment." *Proceedings of the Workshop on Human-Aware Artificial Intelligence (at AAAI 2017)*. Ed. Kartik Talamadupula, et al. San Francisco, CA: AAAI, 2017. Web. \*

**Published Conference Proceedings:** Edwards, Ashley, Anthony Massicci, Srinivas Sridharan, Joe Geigel, Linwei Wang, Reynold Bailey, and Cecilia O. Alm. "Sensor-based methodological observations for studying online learning." *Proceedings of the ACM Workshop on Intelligent Interfaces for Ubiquitous and Smart Learning (at IUI 2017)*. Ed. Ilknur Celik and Ilaria Torre. Limassol, Cyprus, Cyprus: ACM, 2017. Web. \*

**Published Conference Proceedings:** Calderwood, Alexander, Elizabeth A. Pruett, Raymond Ptucha, Christopher M. Homan, Cecilia O. Alm. "Understanding the semantics of narratives of interpersonal violence through reader annotations and physiological reactions." Proceedings of the Workshop on Computational Semantics beyond Events and Roles (at EACL 2017). Ed. Eduardo Blanco, Roser Morante, and Roser Saurí. Valencia, Spain: ACL, 2017. Web. «

**Published Conference Proceedings:** Munaiah, Nuthan, Benjamin S. Meyers, Cecilia O. Alm, Andrew Meneely, Pradeep K. Murukannaiah. Emily Prud'hommeaux, Josephine Wolff, and Yang Yu. "Natural language insights from code reviews that missed a vulnerability: A large scale study of Chromium." Proceedings of the International Symposium on Engineering Secure Software and Systems. Ed. Eric Bodden, Mathias Payer, Elias Athanasopoulos. Bonn, Germany: n.p., 2017. Web. £

**Published Conference Proceedings:** Alm, Cecilia O., Benjamin S. Meyers, and Emily Prud'hommeaux. "An analysis and visualization tool for case study learning of linguistics concepts." Proceedings of the Conference on Empirical Methods in Natural Language Processing (Demo papers). Ed. Lucia Specia, Matt Post, Michael Paul. Copenhagen, Denmark: ACL, 2017. Web. \*

**Published Conference Proceedings:** Alm, Cecilia O. and Reynold Bailey. "Team-based, transdisciplinary, and inclusive practices for undergraduate research." Proceedings of the IEEE Frontiers in Education Conference. Ed. n.p. Indianapolis, IN: IEEE, 2017. Web. \*

### **A.J. Caschetta, Senior Lecturer**

**Journal Paper:** Caschetta, A.J. "The Real Obama Legacy." The Daily Caller. January 5 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Is Judith Butler the New Edward Said?" The American Thinker. January 14 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "The Curious Cases of Anti-Muslim Backlash That Turned Out to Be False." Independent Journala Review. March 9 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "The Lessons of Omar Abdel Rahman." The Hill. March 9 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "An End to the Grievance-Based Approach." The Jerusalem Post. March 14 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Israel's New Rules." The Daily Caller. March 17 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Trump Can Break the Israel-Palestinian Impasse." The Gatestone Institute. May 22 (2017) Web. Δ

**Journal Paper:** Caschetta, A.J. "CUNY's Curious Defense of Linda Sarsour." The New English Review. June 1 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Honoring Terrorism in New York City." The American Thinker. June 6 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Trump Knows Why People Become Jihadists." The Jerusalem Post. June 11 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Terrorism in Iran: As Ye Reap..." Jihad Watch. June 16 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "The Islamic State of Al-Qaeda." The New English Review. July (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Wanted: An Afghanistan Policy." The American Thinker. July 21 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Anti-Semitic Academics: Where is the Outrage Against Turkey?" The Gatestone Institute. August 4 (2017) Web. Δ



**Journal Paper:** Caschetta, A.J. "State Department's Palestinian Fantasies." *The New English Review*. September 12 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Trump Dumps UNESCO, aka the UN Erasure, Slander, and Cover-up Organization." *The Washington Examiner*. October 12 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Kathy Griffin Needs to Check Her Infidel Privilege." *The Daily Caller*. October 19 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Freelance Vehicular Jihad." *The Daily Caller*. November 3 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "The Important Symbolism, but Probably Futility, of the Taylor Force Act." *The New English Review*. November 16 (2017) Web. £

**Journal Paper:** Caschetta, A.J. "Laundering Iran's Nukes, Again." *The Gatestone Institute*. November 29 (2017) Web. Δ

**Published Review:** Caschetta, A.J. Rev. of "The Engineers of Jihad: the Curious Connection Between Violent Extremism and Education", by Diego Gambetta and Steffen Hertog. *The Middle East Quarterly* Winter Dec. 2017: Web. ~

**Journal Paper:** Caschetta, A.J. "There's Nothing New About the Palestinian Days of Rage." *The Algemeiner*. December 24 (2017) Web. £

### **Trent Hergenrader, Assistant Professor**

**Full Length Book:** Clark, Michael Dean, Trent Hergenrader, and Joseph Rein. *Creative Writing Innovations: Breaking Boundaries in the Classroom*. London, UK: Bloomsbury, 2017. Print. ~

**Book Chapter:** Hergenrader, Trent. "Structures of Play: Literacies, Games, and Creative Writing." *Exploding the Castle: Seeking to Shape the Future of Games in Education*. Ed. Stephen Slota and Michael Young. Charlotte, NC: Information Age Publishing, 2017. 39-65. Print. Δ

**Book Chapter:** Hergenrader, Trent. "Genre Fiction, and Games, and Fanfiction! Oh My!: Competing Realities in Creative Writing Classrooms." *Can Creative Writing Really Be Taught? Existing Lore in Creative Writing Pedagogy* (10th anniversary edition). Ed. Stephanie Vanderslice and Rebecca Manery. London, UK: Bloomsbury, 2017. 135-149. Print. Δ

**Published Conference Proceedings:** Hergenrader, Trent. "When You Play the Game of Thrones... Everyone Wins!: Fanfiction and Role-Playing Games for Fiction Writers." *Proceedings of the Games+Learning+Society (GLS)*. Ed. Constance Steinkuhler. Pittsburgh, PA: ETC press, 2017. Web. «

**Book Chapter:** Hergenrader, Trent. "Steampunk Rochester: An Interdisciplinary, Collaborative Creative Writing Project." *Creative Writing Innovations: Breaking Boundaries in the Classroom*. Ed. Michael Dean Clark, Trent Hergenrader, and Joseph Rein. London, UK: Bloomsbury, 2017. 133-148. Print. Δ

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

**Book Chapter:** Laura, Shackelford,. "Reorienting Poetics through Lived Space." *#WomenTechLit*. Morgantown, West Virginia: University of West Virginia Press, 2017. 331-354. Print. Δ

**Book Chapter:** Laura, Shackelford,. "Postmodern, Posthuman, Post-digital." *The Bloomsbury Handbook of Electronic Literature*. London, England: Bloomsbury Scholarly Press, 2017. 335-360. Print. Δ

## **DEPARTMENT OF HISTORY**

### **Tamar Carroll, Assistant Professor**

**Journal Paper:** Carroll, Tamar. "Intersectionality and Identity Politics: Cross-Identity Coalitions for Progressive Social Change." *Signs* 42. 3 (2017): 600-607. Print. \*

**Shows/Exhibits/Installations:** Carroll, Tamar. "Whose Streets? Our Streets!": New York City, 1980-2000. By Tamar Carroll, et al. Jan. 2017. Bronx Documentary Center, New York, NY. Exhibit.

### Rebecca Edwards, Professor

**Journal Paper:** Edwards, R.A.R., Michael Brown, and Tina Lent. "Remembering Kate Gleason: Introducing a Twentieth-Century Businesswoman to Twenty-First Century Students." *The Seneca Falls Dialogues Journal* 2. (2017): 0-0. Web. \*

**Published Review:** Edwards, R.A.R. "Saying It Was So: Exploring the Black Sox Scandal." Rev. of *The Black Prince of Baseball and The Betrayal*, by Don Dewey, Nick Acocella, and Charles Fountain. *Reviews in American History* Mar. 2017: 117-119. Print. ~

**Shows/Exhibits/Installations:** Edwards, R.A.R. *Language, Culture, Communities: 200 Years of Impact by the American School for the Deaf*. 28 Apr. 2017. Connecticut Historical Society, Hartford. Exhibit.

**Invited Keynote/Presentation:** Edwards, R.A.R. "200 Years of Innovation: The Legacy of the American School for the Deaf." for *Language, Culture, Communities: 200 Years of Impact by the American School for the Deaf*. Connecticut Historical Society. Hartford, CT. 13 Jul. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Edwards, R.A.R. "No Dummy: The Brief Career of Dick Sipek." Cooperstown Symposium on Baseball and American Culture. National Baseball Hall of Fame and Museum. Cooperstown, NY. 1 Jun. 2017. Conference Presentation.

### Rebecca Scales, Associate Professor

**Invited Keynote/Presentation:** Scales, Rebecca. "Radio and the Contested Soundscape of Interwar Paris." *The Sense of Sound/Le Sens du Son Conference*. Center for French Civilization and Culture, New York University. New York, NY. 5 Oct. 2017. Lecture. Δ

**Published Review:** Scales, Rebecca P. "Review of Aimée Boutin; *City of Noise: Sound and Nineteenth-Century Paris*." Rev. of *Review of Aimée Boutin; City of Noise: Sound and Nineteenth-Century Paris*, by NA. *Canadian Journal of History* Mar. 2017: 598-600. Print.

## DEPARTMENT OF PERFORMING ARTS AND VISUAL CULTURE

### Juilee Decker, Associate Professor

**Full Length Book:** Alexander, Edward P., Mary Alexander, and Juilee Decker. *Museums in Motion An Introduction to the History and Functions of Museums*. 3rd ed. Lanham, MD: Rowman & Littlefield, 2017. Print. \*

**Invited Article/Publication:** Decker, Juilee. "Theory & Praxis: Museum Studies in the 21st Century." *Choice: Current Reviews for Academic Libraries*. (2017). Web. Δ

**Journal Editor:** Decker, Juilee, ed. *Collections: A Journal for Museum and Archives Professionals*. Lanham, MD: Rowman & Littlefield, 2017. Print. £

**Invited Article/Publication:** Decker, Juilee. "Museums in Motion Today." *History News*. (2017). Print. ~

**Shows/Exhibits/Installations:** contributors, Multiple authors and. *Because of Women Like Her: Winning the Vote in New York State*. 2 Jun. 2017. Central Library of Rochester & Monroe County, Rochester. Exhibit.

### Rebecca J DeRoo, Assistant Professor

**Full Length Book:** DeRoo, Rebecca J. *Agnès Varda between Film, Photography, and Art*. print, e-book ed. Oakland, CA: University of California Press, 2018. Print. «

**Invited Article/Publication:** DeRoo, Rebecca J. "On Agnès Varda, Winner of 2017 Honorary Oscar Award." *University of California Press Blog*. (2017). Web. Δ

**Invited Keynote/Presentation:** DeRoo, Rebecca J. "Pleasure, Pain, and Subversion: Agnès Varda's Diary of a Pregnant Woman." Women in French UK. Leeds University. Leeds, UK. 20 May 2017. Conference Presentation. «

**Invited Keynote/Presentation:** DeRoo, Rebecca J. "Conference Session Chair." Technological Change and Cinematic Hybridity. University of Applied Arts. Vienna, Austria. 2 Jun. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** DeRoo, Rebecca J. "Melancholy and Merchandise at the Cartier Museum: Agnes Varda's 'Island' Exhibition." Stan McKenzie Salon Series. Rochester Institute of Technology. Rochester, NY. 3 May 2017. Lecture. £

**Shows/Exhibits/Installations:** DeRoo, Rebecca J. Spirited: Cheers to RIT School Spirit. By Rebecca J. DeRoo, Jennifer Roeszies, and Lisa Witt. 6 May 2017. Imagine RIT, Rochester. Exhibit.

**Shows/Exhibits/Installations:** DeRoo, Rebecca J. S.T.E.A.M. Powered Pinball. By Kelli Spampinato, Rebecca J DeRoo, and Melissa Fanton. 6 May 2017. Imagine RIT, Rochester. Exhibit.

## DEPARTMENT OF PHILOSOPHY

### Silvia Benso, Professor

**Full Length Book:** Benso, Silvia. Viva Voce: Conversations with Italian Philosophers. Albany, NY: State University of New York Press, 2017. Print. £

**Book Chapter:** Benso, Silvia. "Castelli e giardini, luoghi del filosofare [Castles and Gardens as Sites of Philosophizing]." Trovarsi Accanto. Ed. M. Adinolfi and M. Donà. Rome, Italy: InSchibboleth Edizioni, 2017. 51-66. Print. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "The Alchemist's Lab: Considerations on Italian Philosophy." International Conference on "New Italian Thought: Challenges and Responses," King's College at Western University. London, ON. 26 Mar. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "Imagining Nature and Art in Plato's Phaedrus." Annual Meeting of the Ancient Philosophy Society. Baylor University. Waco, TX. 27 Apr. 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Benso, Silvia. "Apple, Pear, and Fig Trees: Pleasure and Joy in Augustine's Gardens." Annual Meeting of the History of Philosophy Society. Emory University. Atlanta, GA. 19 May 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Benso, Silvia. "Cultivating Things with Heidegger." Humanities Colloquium. Malmö University. Malmö, Sweden. 29 May 2017. Lecture. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "Waterworks in Levinas's Philosophy." Philosophy Colloquium. Vilnius University. Vilnius, Lithuania. 30 May 2017. Lecture. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "Bodies of Water: Levinas's Hydrodynamic Ethics." Workshop: The Ethics of Things. Centre for Advanced Studies at the Norwegian Academy of Science and Letters. Oslo, Norway. 2 Jun. 2017. Lecture. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "The Saying of the Oak Tree: Cultivating Dwelling Places." Spaces of Nature, Natures of Space. Collegium Phaenomenologicum. Città di Castello, Italy. 18 Jul. 2017. Lecture. Δ

**Invited Keynote/Presentation:** Benso, Silvia. "Open Borders: Italian Philosophy Between Nationalism and Globalization." Annual Meeting of the College of Fellows. Western Sydney University. Sydney, Australia. 23 Nov. 2017. Lecture. Δ

### Evelyn Brister, Associate Professor

**Invited Article/Publication:** Brister, Evelyn. "Feminism and Contextualism." Routledge Handbook of Epistemic Contextualism. (2017). Print. £

**Invited Article/Publication:** Brister, Evelyn. "Genome Fidelity and the American Chestnut." Issues in Science and Technology. (2017). Print. £

**Published Review:** Brister, Evelyn. Rev. of Sustainable Values, Sustainable Change, by Bryan G. Norton. Environmental Values Apr. 2017: 251-253. Print. Δ

**Published Review:** Brister, Evelyn. "Destination: A Career in STEM." Rev. of What Every Science Student Should Know, by J. L. Bauer, et al. Metascience Jul. 2017: 345-347. Print. Δ

### John Capps, Professor

**Published Review:** Capps, John. "Review of Cambridge Pragmatism by Cheryl Misak." Rev. of Cambridge Pragmatism, eds. Kevin Klement and Cheryl Misak. Journal for the History of Analytical Philosophy Apr. 2017: n/a. Web.

**Journal Paper:** Capps, John. "A Pragmatic Argument for a Pragmatic Theory of Truth." Contemporary Pragmatism 14. (2017): 135-156. Print. \*

### Irina G Mikhalevich

**Invited Paper:** Mikhalevich, Irina. "Consciousness, Evidence, and Moral standing." Animal Sentience. (2017). Web. Δ

**Book Chapter:** Mikhalevich, Irina. "Simplicity in Cognitive Models: Avoiding Old Mistakes in New Experimental Contexts." The Routledge Handbook of Philosophy of Animal Minds. Ed. Kristin Andrews and Jacob Beck. London, England: Taylor & Francis, 2017. 427-436. Print. ~

**Journal Paper:** Powell, Russell, et al. "Convergent Minds: The Evolution of Cognitive Complexity in Nature." Journal of the Royal Society, Interface Focus 3. 3 (2017): 20170029. Print. £

### Katie Terezakis, Associate Professor

**Book Chapter:** Terezakis, Katie. "Language: J.G. Hamann, Trojan Horse at the Gates of Enlightenment." The Edinburgh Critical History of Christian Theology. Ed. Ed. Daniel Whistler. Edinburgh, Edinburgh: Edinburgh University Press, 2017. 339-358. Print. \*

**Book Chapter:** Terezakis, Katie. "A Philosophy of Action with Richard J. Bernstein and John William Miller." Richard J. Bernstein and the Expansion of American Philosophy: Thinking the Plural. Ed. Eds. Marcia Morgan and Megan Craig. Lanham, MD: Lexington Books, 2017. 179-196. Print. \*

**Published Review:** Terezakis, Katie. "Review of Lucy Jane Ward, Freedom and Dissatisfaction in the Works of Agnes Heller: With and Against Marx." Rev. of Freedom and Dissatisfaction in the Work of Agnes Heller: With and Against Marx, by Lucy Jane Ward. Thesis Eleven Dec. 2017: na. Web. ~

**Invited Keynote/Presentation:** Terezakis, Katie. "Reflection and Social Crisis in Introduction to Philosophy." APA, Inclusiveness in Crisis. American Philosophical Association. Seattle, WA. 15 Apr. 2017. Conference Presentation. ~

## DEPARTMENT OF POLITICAL SCIENCE

### Benjamin Banta, Assistant Professor

**Journal Paper:** Banta, Benjamin R. "Leveraging the Idea of 'Humanitarian War'." International Relations 31. 4 (2017): 426-446. Print. \*

### Sarah M Burns, Assistant Professor

**Journal Paper:** Burns, Sarah. "Capitalist Peace Theory: A New Way Forward for American Foreign Policy." Society. (2017): 501-508. Print. «

**Journal Paper:** Burns, Sarah. "Debating War Powers: Battles in the Clinton and Obama Administrations." Political Science Quarterly 132. 2 (2017): 203-223. Print. «

### Nathan Dinneen, Assistant Professor

**Journal Paper:** Dinneen, Nathan. "Ecological Scenario Planning and the Question of the Best Regime in the Political Theory of Hans Jonas." Environmental Politics 26. 5 (2017): 938-955. Print. «



**Journal Paper:** Dinneen, Nathan. "The Socratic Teaching of Constructivism: A Reading of Pangle and Ahrens Dorf's Justice Among Nations: On the Moral Basis of Power and Peace." *Perspectives on Political Science* 46. 3 (2017): 187-198. Print. \*

**Published Review:** Dinneen, Nathan. "Review Essay." Rev. of Leo Strauss on Science: Thoughts on the Relation between Natural Science and Political Philosophy, by Svetozar Minkov. *Interpretation: A Journal of Political Philosophy* 2017: 75-81. Print.

## DEPARTMENT OF PSYCHOLOGY

### Joseph S Baschnagel, Associate Professor

**Peer Reviewed/Juried Poster Presentation:** Baschnagel, Joseph S. and Jeffrey Miller. "The Relationship Between ADHD Symptomatology and Photophobia." *Proceedings of the Society of Psychophysiological Research*, Oct 11-14th Vienna Austria. Ed. Monica Fabiani. Madison, WI: Wiley. \*

**Peer Reviewed/Juried Poster Presentation:** Baschnagel, Joseph S. and Ciara Lutz. "The Effect of Impulsive Tendencies on the Experience of Boredom." *Proceedings of the Society of Psychophysiological Research*, Oct 11-14th Vienna Austria. Ed. Monica Fabiani. Madison, WI: Wiley. \*

### Caroline M DeLong, Associate Professor

**Journal Paper:** DeLong, Caroline M., et al. "Small and Large Number Discrimination in Goldfish (*Carassius auratus*) with Extensive Training." *Behavioural Processes* 141. (2017): 172-183. Print. \*

**Journal Paper:** DeLong, Caroline M. "Human Listening Experiments Provide Insight Into Cetacean Auditory Perception." *Proceedings of Meetings on Acoustics* 29. (2017): 1-14. Web. ~

**Invited Keynote/Presentation:** Fobe, Irene, Caroline M. DeLong, and Kenneth Tyler Wilcox. "An Exploration of Rhythm Perception in African Penguins (*Spheniscus demersus*)." 174th Meeting of the Acoustical Society of America. Acoustical Society of America. New Orleans, LA. 4 Dec. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** DeLong, Caroline M., et al. "Visual Discrimination of Rotated 2D Objects in a Bottlenose Dolphin (*Tursiops truncatus*) and Goldfish (*Carassius auratus*)." Fall Meeting of the Comparative Cognition Society. Comparative Cognition Society. Vancouver, Canada. 9 Nov. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** DeLong, Caroline M., et al. "Visual Discrimination of Rotated 2D Objects in Goldfish (*Carassius auratus*)." 24th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne, FL. 22 Apr. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** Fobe, Irene, et al. "Visual Object Recognition in North American River Otters (*Lontra canadensis*)." 24th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne, FL. 22 Apr. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** Burnett, Christina and Caroline M. DeLong. "Captive Orangutans (*Pongo pygmaeus pygmaeus*) Use Water as a Tool in a Problem-Solving Task." 24th Annual International Conference on Comparative Cognition. Comparative Cognition Society. Melbourne, FL. 22 Apr. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** Fobe, Irene, Caroline M. DeLong, and Catina Wright. "Visual Object Recognition in North American River Otters (*Lontra Canadensis*)." International Marine Animal Trainer's Association Northwest Regional Workshop. International Marine Animal Trainer's Association. Rochester, NY. 1 May 2017. Conference Presentation. ~

### Nicholas DiFonzo, Professor

**Published Conference Proceedings:** DiFonzo, Nicholas. "Framing Unplanned Pregnancy Decision Making within the Theory of Planned Behavior." Proceedings of the University Faculty for Life Annual Conference. Ed. Joseph W. Koterski. Rochester, NY: University Faculty for Life, 2017. Print. Δ

### Stephanie A Godleski, Assistant Professor

**Journal Paper:** Godleski, Stephanie, Cory Crane, and Kenneth Leonard. "Parents' Concordant and Discordant Alcohol Use and Subsequent Child Behavioral Outcomes." Addictive Behaviors 79. (2018): 81-85. Print. «

**Journal Paper:** Przybyla, Sarahmona M, et al. "Meta-Analysis of Alcohol and Serodiscordant Condomless Sex Among People Living With HIV." Archives of Sexual Behavior. (2017): 1-16. Web. «

### Rebecca Houston, Assistant Professor

**Journal Paper:** Bauer, Lance O. and Rebecca J. Houston. "The Value of Instability: An Investigation of Intra-Subject Variability in Brain Activity Among Obese Adolescent Girls." International Journal of Obesity 41. 10 (2017): 1489-1495. Print. \*

**Journal Paper:** Wan, Jingyan, et al. "Drinking and Driving Behavior at Stop Signs and Red Lights." Accident Analysis & Prevention 104. (2017): 10-17. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Derrick, Jaye L, Rebecca J. Houston, and Denis Ethier. "Perceived Partner Responsiveness Moderates the Effect of Partner-specific Stressors on Alcohol Urge in an Experimental Study." Proceedings of the Research Society on Alcoholism. Ed. Henry R. Kranzler. Hoboken, NJ: Wiley-Blackwell. \*

**Peer Reviewed/Juried Poster Presentation:** Gius, Becky K., et al. "Ambivalence Model of Craving and Pretreatment Change: Approach and Avoidance Inclinations in Patients Receiving Treatment for Alcohol Use Disorder." Proceedings of the Research Society on Alcoholism. Ed. Henry R. Kranzler. Hoboken, NJ: Wiley-Blackwell. \*

### Peer Reviewed/Juried Poster Presentation:

Levine, Jacob A., et al. "Development and Psychometric Evaluation of a Brief Version of the Approach and Avoidance of Alcohol Questionnaire." Proceedings of the Research Society on Alcoholism. Ed. Henry R. Kranzler. Hoboken, NJ: Wiley-Blackwell. \*

### Edona Maloku

**Book Chapter:** Turjacanin, Vladimir, et al.

"Taming Conflicting Identities: Searching for New Youth Values in the Western Balkans." Changing Youth Values in South-East Europe: Beyond Ethnicity. Ed. Tamara P.Trošt and Danilo Mandić. Oxford, UK: Routledge, 2017. 151-176. Web. ~

### National/International Competition Award

**Winner:** Bërdyna, Edona Maloku. Open Society Foundation. Civil Society Scholar Award (CSSA). London, UK, 2017. ≠

**Published Conference Proceedings:** Bërdyna, Edona Maloku, et al. "Building Identity in Post-War Kosovo: Superordinate Categorization Versus Identity Complexity Among Albanians and Serbs." Proceedings of the 18th General Meeting of the European Association of Social Psychology. Ed. Jaroen Vaes. Granada, Spain: n.p., 2017. Web.

**Published Conference Proceedings:** Brankovic, Marija, Iris Zezelj, and Edona Maloku Bërdyna. "Bridging Majority and Minority Perspectives of Society – The Role of Social Identity Complexity/Inclusiveness." Proceedings of the 18th general Meeting of the European Association of Social Psychology. Ed. Jaroen Vaes. Granada, Spain: n.p., 2017. Web.

### External Scholarly Fellowships/National Review Committee:

10/1/2017 -

3/31/2018

Global Challenge Research Fund (GCRF), with Laura Taylor, Jocelyn Dauntel & Ana Tomovska

Amount: £55,646

≠

**Full Length Book:** Pratto, Felicia, et al. *Shaping Social Identities After Violent Conflict: Youth in the Western Balkans*. 1 ed. London, UK: Palgrave Macmillan, 2017. Web. ~

**Scott P Merydith, Professor**

**Journal Paper:** Merydith, Scott, et al. "Mental Testing of Ellis Island Immigrants: A Distant Mirror." *Communique* 45. 7 (2017): 1, 31-33. Print. \*

**Vincent Pandolfi, Associate Professor**

**Journal Paper:** Pandolfi, Vincent, Caroline I. Magyar, and Charles A. Dill. "Screening for Autism Spectrum Disorder in Children with Down Syndrome: An Evaluation of the Pervasive Developmental Disorder in Mental Retardation Scale." *Journal of Intellectual & Developmental Disability*. (2017): 1-12. Print. «

**Journal Paper:** Magyar, Caroline I. and Pandolfi, Vincent. "Utility of the CBCL DSM Oriented Scales in Assessing Emotional Disorders in Youth with Autism." *Research in Autism Spectrum Disorder* 37. (2017): 11-20. Print. \*

**Book Chapter:** Pandolfi, Vincent and Caroline I. Magyar. "Child Behavior Checklist in Autism." *Encyclopedia of Autism Spectrum Disorders-Second Edition*. Ed. F.R. Volkmar. New York, N.Y.: Springer, 2017. 1-6. Print. Δ

**Esa Rantanen, Associate Professor**

**Book Chapter:** Rantanen, Esa M., et al. "Practitioner operational challenges and priorities." *Advances in Aviation Psychology*. Ed. Michael A. Vidulich, Pamela S. Tsang, and John M. Flach. New York, NY: Routledge, 2017. 39-54. Print. Δ

**Peer Reviewed/Juried Poster Presentation:** Kulomäki, Jaakko, et al. "Individual Differences in Attention Allocation in Multitasking: An Eye-Tracking Study." *Proceedings of the Psychonomic Society 58th Annual Meeting*. Ed. NA. Vancouver, BC: Psychonomic Society. \*

**Peer Reviewed/Juried Poster Presentation:** Kulomäki, Jaakko, et al. "The Role of Central Executive in Alternating Multitask Situations." *Proceedings of the International Meeting of the Psychonomic Society*. Ed. NA. Granada, Spain: n.p.. \*

**Published Conference Proceedings:** Rantanen, Esa M., et al. "Data Properties Underlying Human Monitoring Performance." *Proceedings of the Human Factors and Ergonomics Society 2017 Annual Meeting*. Ed. NA. Santa Monica, CA: SAGE Publications, 2017. Web. \*

**Published Conference Proceedings:** Hingu, Dharmendra Praving, et al. "A Software Tool for Cognitive Work Analysis." *Proceedings of the Human Factors and Ergonomics Society 2017 Annual Meeting*. Ed. NA. Santa Monica, CA: SAGE Publications, 2017. Web. \*

**Audrey M Smerbeck, Assistant Professor**

**Journal Paper:** A, Smerbeck, et al. "Influence of Nationality on the Brief International Cognitive Assessment for Multiple Sclerosis (BICAMS)." *The Clinical Neuropsychologist* 32. 1 (2018): 54-62. Print. \*

**Journal Paper:** A, Smerbeck. "The Survey of Favorite Interests and Activities: Assessing and Understanding Restricted Interests in Children with Autism Spectrum Disorder." *Autism*. (2017): online ahead of print. Web. \*

**Journal Paper:** S, Vanotti, et al. "BICAMS in the Argentine Population: Relationship with Clinical and Sociodemographic Variables." *Applied Neuropsychology: Adult*. (2017): online ahead of print. Web. \*

**Tina M Sutton, Assistant Professor**

**Journal Paper:** Bruce, Sheila, Tina Sutton, and Poorna Kushalnagar. "Levels of Emotion Valence and Arousal in American Sign Language." *Journal of American Deafness and Rehabilitation Association*. (2017): 21-33. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Sutton, Tina, Andrew Herbert, and Dailyn Clark. "Valence, Arousal, and Dominance Ratings for Face Stimuli." Proceedings of the 58th Annual Meeting of the Psychonomic Society. Ed. Aaron Benjamin. Vancouver, British Columbia, Canada: n.p..

## DEPARTMENT OF SCIENCE TECHNOLOGY AND SOCIETY/ PUBLIC POLICY

### Christine Keiner, Associate Professor

**Journal Paper:** Keiner, Christine. "A Two-Ocean Bouillabaisse: Science, Politics, and the Central American Sea-Level Canal Controversy." *Journal of the History of Biology* 50. 4 (2017): 835-887. Print. «

**Published Review:** Keiner, Christine. Rev. of Pesticides, A Love Story, by Michelle Mart. *Journal of American History* 1 Jun. 2017: 261-262. Print. Δ

### Qing Miao, Assistant Professor

**Journal Paper:** Miao, Qing. "Technological Innovation, Social Learning and Natural Hazard Mitigation: Evidence on Earthquake Fatalities." *Environment and Development Economics* 22. 3 (2017): 249-273. Web. «

## DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

### Conerly Casey, Associate Professor

**Book Chapter:** Casey, Conerly. "Bollywood Banned and the Electrifying Palmasutra: Sensory Politics in Northern Nigeria." *Asian Video Cultures: In the Penumbra of the Global*. Ed. Joshua Neves and Bhaskar Sarkar. Durham, North Carolina: Duke University Press, 2017. 176-197. Print. \*

**Invited Keynote/Presentation:** Casey, Conerly. "21st Century Trauma." Department of Psychiatry Meeting. Department of Psychiatry, Karu General Hospital. Abuja, Nigeria. 5 Jun. 2017. Keynote Speech. Δ

**Invited Keynote/Presentation:** Casey, Conerly. "21st Century Trauma." College of Sciences Meeting. College of Sciences, Bayero University. Kano, Nigeria. 28 Jul. 2017. Keynote Speech. Δ

**Invited Keynote/Presentation:** Casey, Conerly. "Sensory Affect, Emotion and Violence." Society for Psychological Anthropology Biennial Meetings. Society for Psychological Anthropology. New Orleans, LA. 10 Mar. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Casey, Conerly. "War Debris and the Mobilizing of Presence." Gulf Studies Symposium. American University of Kuwait. Salmiyya, Kuwait. 19 Mar. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Casey, Conerly. "Sensing Corruption: Politics and the Senses in Northern Nigeria." Society for the Humanities, Corruption Conference. Cornell University. Ithaca, NY. 28 Oct. 2017. Conference Presentation. Δ

### Christine Kray, Associate Professor

**Book Chapter:** Christine, Kray,, Minette C. Church, and Jason Yaeger. "Designs on/of the Land: Competing Visions, Displacement, and Landscape Memory in British Colonial Honduras." *Legacies of Space and Intangible Heritage: Archaeology, Ethnohistory, and the Politics of Cultural Continuity in the Americas*. Ed. Fernando Armstrong-Fumero and Julio Hoil Gutierrez. Boulder, CO: University Press of Colorado, 2017. 53-77. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Kray, Christine A. "A Renaissance of Feminist Ritual: Susan B. Anthony's Gravesite on Election Day." Proceedings of the American Anthropological Association. Ed. AAA Executive Session Committee. Washington, DC: n.p.. \*

### Uli Linke, Professor

**Published Review:** Linke, Uli. "Book review." Rev. of *Encoding Race, Encoding Class: Indian IT Workers in Berlin*, by Sareeta Amrute. *Anthropos: International Journal of Anthropology and Linguistics* 1 Mar. 2017: 635-635. Print. ~



**Book Chapter:** Linke, Uli. "Death as Spectacle: Plastinated Bodies in Germany." *The Anthropology of Death: A Companion*. Ed. Antonius C. G. M. Robben. Oxford, UK: Wiley, 2017. 383-398. Print. \*

**Invited Keynote/Presentation:** Linke, Uli. "Icon(i)-Cities: Transglobal Imaginaries of Urban Dispossession." *City Futures and Urban Imaginaries: International workshop* (org. Christoph Lindner and Miriam Meissner). University of Oregon. Portland, OR. 8-9 Dec. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Linke, Uli. "The Absent and the Present in Refugee Politics." *Germany, Europe, and the Refugee Crisis: The Challenge to Integrate. Faculty and Expert Seminar: Studienforum Berlin* (H.D. Jakobsen, org). Berlin/Germany, FGR. 9 Jun. 2017. Conference Presentation. Δ

## COLOR SCIENCE

### Mark Fairchild, Professor

**Journal Paper:** Murdoch, M.J. and M.D. Fairchild. "Modeling the Effects of Inter-Observer Variation on Color Rendition." *Lighting Research and Technology* 49. (2017): 1-18. Print. \*

**Invited Paper:** Fairchild, M.D. "Individual Differences in Color Matching & Adaptation and Illumination." OSA Fall Vision Meeting. (2017). Web. Δ

**Invited Paper:** Fairchild, M.D. "Color Perception: Contexts and Individuals." *American Glass Guild Proceedings*. (2017). Print. Δ

**Journal Paper:** Amiri, M.M. and M.D. Fairchild. "Use of Spectral Sensitivity Variability in Reflectance Recovery from Colorimetric Information." *Journal of the Optical Society of America A* 34. (2017): 1224-1235. Print. \*

**Published Conference Proceedings:** Zhou, Zhen, et al. "Observer Calibrator for Color Vision Research." *Proceedings of the IS&T Electronic Imaging 2017 Conference*. Ed. IS&T. San Francisco, CA: IS&T, 2017. Print. \*

### Susan Farnand, Visiting Assistant Professor

**Published Conference Proceedings:** Farnand, Susan, et al. "A Methodology for Perceptual Image Quality Assessment of Smartphone Cameras – Color Quality." *Proceedings of the IS&T's Electronic Imaging Symposium: Image Quality and Systems Performance XIV*, February 2017, San Francisco. Ed. IS&T. San Francisco, CA: IS&T, 2017. Web. \*

**Published Conference Proceedings:** Hassani, Nargess and Susan Farnand. "Color Discrimination Threshold for Medical Test Devices." *Proceedings of the Electronic Imaging Symposium: Color Imaging XXII conference* February 2017, San Francisco. Ed. IS&T. San Francisco, CA: IS&T, 2017. Web. \*

**Published Conference Proceedings:** Farnand, Susan. "Evaluating Perceived Capture Quality for the Digitization of Cultural Heritage Objects." *Proceedings of the Archiving Conference*, Riga, Latvia. Ed. IS&T. Washington, DC: IS&T, 2017. Web. \*

**Published Conference Proceedings:** Sheth, Gaurav, Katherine Carpenter, and Susan Farnand. "Image Quality Assessment of Displayed and Printed Smartphone Images." *Proceedings of the Color and Imaging Conference*, Lillehammer, Norway. Ed. IS&T. Washington, DC: IS&T, 2017. Web. \*

**Invited Article/Publication:** Carpenter, Katherine and Susan Farnand. "A Validation Study of a Perceptually-Based Metric of Smartphone Image Quality." *IEEE Standards Education*. (2017). Web. Δ

### Michael J Murdoch, Assistant Professor

**Journal Paper:** Murdoch, Michael J. "Characterization and Control of a Multi-Primary LED Light Lab." *Optics Express* 25. 24 (2017): 29605-29616. Web. \*

**Journal Paper:** Murdoch, Michael J. and Mark D. Fairchild. "Modelling the Effects of Inter-Observer Variation on Colour Rendition." *Lighting Research & Technology*. (2017): 1-18. Print. \*

## SCHOOL OF CHEMISTRY AND MATERIALS SCIENCE

### Matt Miri, Associate Professor

**Journal Paper:** Miri, Massoud J., et al. "Eugenol as Renewable Comonomer Compared to 4-Penten-1-OL in Ethylene Copolymerization using a palladium Aryl Sulfonate Catalyst." *Polymer* (Elsevier). (2017): 319-328. Print. «

## SCHOOL OF MATHEMATICAL SCIENCES

### Nathaniel S Barlow, Assistant Professor

**Journal Paper:** Barlow, Nathaniel S., et al. "On the Summation of Divergent, Truncated, and Underspecified Power Series via Asymptotic Approximants." *Quarterly Journal of Mechanics and Applied Math* 70. 1 (2017): 21-48. Print. \*

### Michael E Cromer, Assistant Professor

**Journal Paper:** Cromer, Michael, Glenn H. Fredrickson, and L. Gary Leal. "Concentration Fluctuations in Polymer Solutions Under Mixed Flow." *Journal of Rheology* 6. 14 (2017): 711-730. Print. £

**Journal Paper:** Kalb, Arthur, et al. "Role of Chain Scission in Cross-Slot Flow of Wormlike Micellar Solutions." *Physical Review Fluids* 2. (2017): 1-10. Print. £

### David Ross, Professor

**Journal Paper:** Ross, David S., Khamir Mehta, and Antonio Cabal. "Mathematical Model of Bone Remodeling Captures the Antiresorptive and Anabolic Actions of Various Therapies." *Bulletin of Mathematical Biology* 79. 1 (2017): 117-142. Print. £

**Journal Paper:** Wahle, C.W., et al. "Model for Screened, Charge-Regulated Electrostatics of an Eye Lens Protein: Bovine GammaB-Crystallin." *Physical Review E* 96. 3 (2017): 1-25. Print. £

**Journal Paper:** Bell, Michael M., et al. "Statistical-Thermodynamic Model for Light Scattering from Eye Lens Protein Mixtures." *Journal of Chemical Physics* 146. (2017): 1-32. Print. £

## SCHOOL OF PHYSICS AND ASTRONOMY

### Mishkatul Bhattacharya, Assistant Professor

**Journal Paper:** Bhattacharya, M., et al. "Effects of Photon Scattering Torque in Off-Axis Levitated Torsional Cavity Optomechanics." *Journal of the Optical Society of America B* 34. 6 (2017): C44-C51. Print. \*

**Journal Paper:** Kumar, P. and M. Bhattacharya. "Magnetometry via Spin-Mechanical Coupling in Levitated Optomechanics." *Optics Express* 25. 16 (2017): 19568-19582. Web. \*

### M Kotlarchyk, Professor

**Journal Paper:** Kotlarchyk, Michael and George M. Thurston. "A Framework for Modeling Polarized Neutron Scattering from NMR Spin-Modulated Systems." *Journal of Physics: Conference Series* 862. (2017): 1-11. Print. \*

## THOMAS H. GOSNELL SCHOOL OF LIFE SCIENCES

### Gregory Babbitt, Assistant Professor

**Peer Reviewed/Juried Poster Presentation:** Babbitt, G.A. "Triplet Codon Organization Optimizes the Impact of Synonymous Mutation on Nucleic Acid Molecular Dynamics." *Proceedings of the Society for Molecular Biology and Evolution*. Ed. SMBE. Austin, TX: SMBE. £

**Journal Paper:** Ryen, E.G., et al. "Ecological Foraging Models as Inspiration for Optimized Recycling Systems in the Circular Economy." *Resources, Conservation & Recycling*. (2017): 1-10. Web. \*

**Published Game, Application or Software:** Babbitt, G.A., et al. *DRUIDS 1.2 - Free Software Project for Comparative Protein Dynamics*. Software. GitHub. 2017.

# Featured Faculty

Dr. Thurston and his collaborators are focused on gaining a deeper understanding of the quantitative, physical nature of interactions among protein molecules and other biological macromolecules, about how these interactions affect the nature of their liquid solutions, and about the relationships of these interactions to normal and pathophysiology. Remarkably small changes in protein interactions can trigger phase transitions and other changes that underlie diseases including cataract, sickle-cell disease, amyotrophic lateral sclerosis, and dozens of others. To quantitatively understand the physics of the molecular interactions and kinetics that underlie each of these diseases, new experimental and theoretical tools are needed in order to gain more refined knowledge about the intermolecular forces, the probabilistic liquid and other structures, and the statistical thermodynamics of the concentrated mixtures of biological molecules that are relevant in each case.

Among RIT faculty collaborators, Dr. Thurston is working closely with Drs. David Ross and John Hamilton of the School of Mathematical Sciences, Drs. Lea Michel and Jeffrey Mills of the School of Chemistry and Materials Science, Drs. Michael Kotlarchyk, Moumita Das, and Scott Franklin of the School of Physics and Astronomy, and Dr. Greg Babbitt of the Gosnell School of Life Sciences. He also has many national and international collaborators.

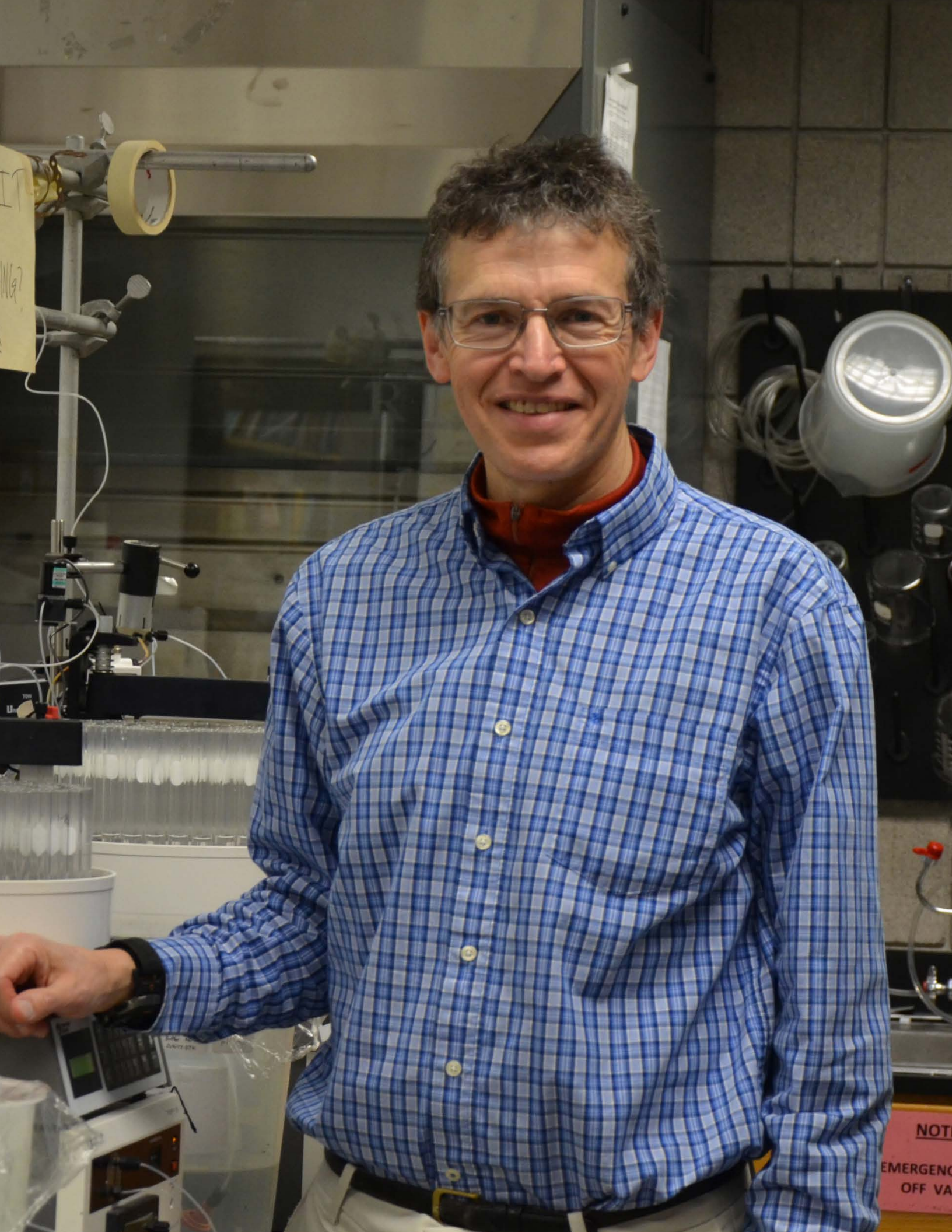
One area of Dr. Thurston's research is to develop new experimental methods. Dr. Thurston, Dr. Chris Wahle, Dr. Ross, and Dr. Carl Lutzer have developed and are continuing to refine the basis for using static light scattering to non-invasively measure the Gibbs free energy of mixing of ternary and quaternary liquid mixtures. Drs. Kotlarchyk and Thurston are developing the groundwork for combining neutron scattering and nuclear magnetic resonance instrumentation to enable more refined measurements of molecular and liquid structure. With collaborators in the U.S. and abroad, Dr. Thurston is adapting X-ray photon correlation spectroscopy (XPCS) to measure dynamics of concentrated solutions of biological macromolecules at the length scale of molecular separations. In recent publications in this latter area, they have applied many techniques including XPCS, light scattering, X-ray scattering, computer simulation, and viscometry to characterize a glass transition in eye lens protein solutions, which could underlie the age-related condition of presbyopia.

Dr. Thurston and collaborators has focused on probing intermolecular interactions that are responsible for the normal transparency of the eye lens, which can also lead to enhanced light scattering in cataract disease, a leading cause of blindness. These investigations aim to develop general methods that will be applicable to other systems. In recent work, they have created quantitatively accurate, molecular-property based models for the liquid structure, thermodynamics, and light scattering of realistically concentrated mixtures of two of three major mammalian eye lens proteins. They are also developing a framework for understanding how the continually changing charge patterns of proteins and other biological macromolecules affect their phase transitions and other properties. In ongoing work, they are developing nuclear magnetic resonance tools to quantitatively probe intermolecular interactions in a fashion that can complement X-ray and neutron scattering. Finally, with Drs. Das, Franklin, Ross, and several students, they are working on the factors that influence whether the vitreous of the eye is in a gel or liquid state, conditions that are also thought to lead to blindness.

This work involves many disciplines within physics, including statistical physics, electromagnetism, quantum mechanics, and mechanics. The same is true for the relevant mathematics, chemistry, and biology. As Dr. Thurston is fond of saying, nature does not care how we have divided the disciplines. The electrons obey the laws of quantum mechanics even when they are in the living cell, a guiding principle that points to the truly vast universe within, about which we know relatively little.

**George Thurston**  
Professor  
RIT College of Science





**Journal Paper:** Babbitt, G.A., et al. "Triplet-Based Codon Organization Optimizes the Impact of Synonymous Mutation on Nucleic Acid Molecular Dynamics." *Journal of Molecular Evolution*. (2018): 1-12. Web. \*

#### **Larry Buckley, Associate Professor**

**Journal Paper:** Malone, Catherine L., Victor Hugo Reynoso, and Larry Buckley. "Never Judge an Iguana by Its Spines: Systematics of the Yucatan Spiny Tailed Iguana, *Ctenosaura Defensor* (Cope, 1866)." *Molecular Phylogenetics and Evolution* 115. (2017): 27-39. Print. \*

**Journal Paper:** Ali, Bazla, et al. "To Be or Not To Be T4: Evidence of a Complex Evolutionary Pathway of Head Structure and Assembly in Giant Salmonella Virus SPN3US." *Frontiers in Microbiology* 8. (2017): 1-21. Print. \*

#### **Feng Cui, Assistant Professor**

**Journal Paper:** F., Bao, et al. "P53 Binding Sites in Normal and Cancer Cells are Characterized by Distinct Chromatin Context." *Cell Cycle* 16. 21 (2017): 2073-2085. Print. \*

#### **Irene Evans, Professor**

**Journal Paper:** Evans, Irene M. "Breast Cancer Targeting Peptide: A New Method To Deliver Imaging Agents For Breast Cancer Detection?" *World Molecular Imaging Congress*. (2017): 1-10. Web. \*

**Journal Paper:** Evans, Irene M., et al. "A New Targeting Agent that Specifically Binds to Breast Cancer Cells?" *Molecular Biology of the Cell* 28. (2017): 1-10. Print. £

**Peer Reviewed/Juried Poster Presentation:** Evans, Irene M., et al. "Penetrability of Prostate Tumor Cells Grown in 3D Culture by Prostate Targeting Agents." *Proceedings of the American Society for Cell Biology*. Ed. ASCB. Philadelphia, PA: ASCB. £

**Peer Reviewed/Juried Poster Presentation:** Evans, Irene M., et al. "Internalization and Uptake of Targeted Molecular Imaging Agents (TMIA) Through Clathrin-Mediated Endocytosis." *Proceedings of the American Society for Cell Biology*. Ed. ASCB. Philadelphia, PA: ASCB. £

**Peer Reviewed/Juried Poster Presentation:** Evans, Irene M., et al. "Dilution of Matrigel Matrix Affects the Formation of 3D Spheroids in Lung and Prostate Cancer Cell Lines." *Proceedings of the Rochester Academy of Science*. Ed. Rochester Academy of Science. Rochester, NY: Rochester Academy of Science. £

**Peer Reviewed/Juried Poster Presentation:** Evans, Irene M., et al. "Mycoplasma Testing by Polymerase Chain Reaction." *Proceedings of the Rochester Academy of Science*. Ed. Rochester Academy of Science. Rochester, NY: Rochester Academy of Science. £

#### **Elizabeth Hane, Associate Professor**

**Published Conference Proceedings:** Matheson, Amanda, et al. "Guided and Unguided Student Reflections." *Proceedings of the Physics Education Research Conference*. Ed. H. Vincent Kuo. Cincinnati, Ohio: PER-Central, 2017. Print. \*

**Published Conference Proceedings:** Hane, Elizabeth and Karl Korfmacher. "From Rochester to Malmo: An International Cross-Institutional Study Abroad Course." *Proceedings of the Ecological Society of America*. Ed. ESA Editorial Board. Portland, Oregon: Ecological Society of America, 2017. Web. £

**Published Conference Proceedings:** Hane, Elizabeth and Evelyn Brister. "An Intervention to Reduce Confirmation Bias in First-Year STEM Students." *Proceedings of the AACU STEM Education Conference*. Ed. AACU. San Francisco, CA: AACU, 2017. Web. «

#### **Andre Hudson, Associate Professor**

**Book Chapter:** Hudson, Andre O, et al. "Lysine Synthesis in Microorganisms." *The Handbook of Microbial Metabolism of Amino Acids*. Edinburgh, UK: CAB International, 2017. 49-69. Print. £



**Journal Paper:** Hudson, Andre O, et al. "Dihydrodipicolinate Synthase: Structure, Dynamics, Function, and Evolution." *Macromolecular Protein Complexes*. (2017): 271-289. Print. \*

**Journal Paper:** Gan, Han M, et al. "Whole Genome Sequencing of *Rhodotorula mucilaginosa* Isolated from the Chewing Stick (*Distemonanthus benthamianus*): Insights into *Rhodotorula* Phylogeny, Mitogenome Dynamics and Carotenoid Biosynthesis." *PeerJ*. (2017): 1-18. Web. \*

**Journal Paper:** Kumar, HKS, et al. "Genomic Characterization of Eight *Ensifer* Strain Isolated from Pristine Caves and a Whole Genome Phylogeny of *Ensifer* (*Sinorhizobium*)." *Journal of Genomics* 5. (2017): 12-17. Print. £

**Journal Paper:** Gan, Han M, et al. "Whole Genome of *Salmonella enterica* subsp. *enterica* Serovar Typhimurium Strains TT6675 and TT9097 Employed in the Isolation and Characterization of a Novel Giant Phage Mutant Collection." *Genome Announcements* 5. 34 (2017): 1-2. Web. £

#### **Karl Korfmacher, Professor**

**Journal Paper:** Hellman, Kelly, et al. "Estimating the Economic Impact of Stormwater Runoff in the Allen Creek Watershed." *Ecological Economics* 145. (2018): 420-429. Web. «

#### **Gary R Skuse, Professor**

**Book Chapter:** Skuse, Gary R., et al. "Computer Science and the Liberal Arts: Hidden Synergies and Boundless Opportunities." *New Directions for Computing Education: Embedding Computing Across Disciplines*. Ed. Samuel B. Fee, Amanda M. Holland-Minkley, and Thomas E. Lombardy. Cham, Switzerland: Springer Nature, 2017. 45-62. Print. Δ

**Journal Editor:** Skuse, Gary R., ed. *Journal of Emerging Diseases and Virology*. Milpitas: Sci Forschen Inc., 2017. Web. \*

**Invited Paper:** Ferran, Maureen C. and Gary R. Skuse. "Evasion of Host Innate Immunity by Emerging Viruses: Antagonizing Host RIG-I Pathways." *Journal of Emerging Diseases and Virology*. (2017). Web. \*

#### **Susan Smith, Associate Professor**

**Journal Editor:** Pagano, Susan Smith, ed. *Condor: Ornithological Applications*. Chicago, IL: American Ornithological Society, 2017. Print.

**Journal Paper:** Oberkircher, Meghan C. and Susan Smith Pagano. "Seasonal Variation in Chronic Stress and Energetic Condition in Gray Catbirds (*Dumetella carolinensis*) and Song Sparrows (*Melospiza melodia*)." *Auk:Ornithological Advances* 135. (2017): 83-90. Web. \*

**Invited Keynote/Presentation:** Pagano, Susan Smith, et al. "Characterization of Antioxidant Components in Wild Fruits Consumed by Migratory Birds Using Multidimensional Fluorescence Spectroscopy and Chemometrics." *Wilson Ornithological Society Annual Meeting*. Wilson Ornithological Society. Ft. Myers, FL. 10 Mar. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Pagano, Susan Smith and Calvin P. Carrington. "A Multi-Year Physiological Study of *Catharus Thrush* Migration at Braddock Bay Bird Observatory." *Wilson Ornithological Society Annual Meeting*. Wilson Ornithological Society. Ft. Myers, FL. 10 Mar. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Frawley, Abigail, et al. "A Comparison of Native and Non-Native Fruit Nutrition for Birds in the Northeast." *Eastern Bird Banding Association Annual Meeting*. Eastern Bird Banding Association. Ithaca, NY. 25 Mar. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Swerzenski, Kristen, et al. "Does the Early Bird Get the Worm? An Examination of Chronic Stress and Plasma Metabolite Profiles in Fall Thrush Migrants." Eastern Bird Banding Association Annual Meeting. Eastern Bird Banding Association. Ithaca, NY. 25 Mar. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Pagano, Susan Smith, et al. "An Integrated Investigation of Thrush Stopover Biology on the South Shore of Lake Ontario." 17th Northeast Natural History Conference. Eagle Hill Institute. Cromwell, CT. 22 Apr. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Frawley, Abigail, et al. "Impact of Japanese Barberry on the Physiological Condition of Breeding Ovenbirds." 44th Annual Rochester Academy of Sciences Fall Scientific Paper Session. Rochester Academy of Science. Rochester, NY. 11 Nov. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Border, Molly, Gretchen Horst, and Susan Smith Pagano. "A Nutritional Exploration of Common Buckthorn Fruit and the Value for Migratory Birds." 44th Annual Rochester Academy of Sciences Fall Scientific Paper Session. Rochester Academy of Science. Rochester, NY. 11 Nov. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Pagano, Susan Smith. "Buckthorn in the New world: A Biochemical Exploration of Naturalized and Native Fruits as They Relate to Bird Migration." Invited presentation. Lund University. Lund, Sweden. 21 Sep. 2017. Lecture.

**Invited Keynote/Presentation:** Pagano, Susan Smith. "Native Birds and Exotic Fruits: Nutritional and Physiological Links to Migrant Fueling." EEB Seminar Series. University at Buffalo. Buffalo, NY. 6 Dec. 2017. Lecture.

## **Leslie Kate Wright, Associate Professor**

**Peer Reviewed/Juried Poster Presentation:** Newman, Dina L., L. Kate Wright, and Jean A. Cardinale. "An Interactive Video Vignette Successfully Teaches Pedigree Analysis to Undergraduates." Proceedings of the American Society of Human Genetics. Ed. American Society of Human Genetics. Orlando, FL: American Society of Human Genetics. \*

**Peer Reviewed/Juried Poster Presentation:** Stefkovich, Meghan, et al. "3-D Physical Model-based Activities Benefit Student Learning in Multiple Ways." Proceedings of the 7th Annual Meeting of the Society for the Advancement of Biology Education Research (SABER). Ed. SABER. Minneapolis, MN: SABER. \*

**Peer Reviewed/Juried Poster Presentation:** Wright, L. Kate and Dina L. Newman. "Exploration of the DNA Triangle and its Application to Learning Molecular Biology." Proceedings of the 7th Annual Meeting of the Society for the Advancement of Biology Education Research (SABER). Ed. SABER. Minneapolis, MN: SABER. \*

**Peer Reviewed/Juried Poster Presentation:** Newman, Dina L. and L. Kate Wright. "Supporting Inclusivity and Improving Learning with Activities that Incorporate Physical Models of Molecular Biology Processes." Proceedings of the Gordon Research Conference on Undergraduate Biology Education Research. Ed. Susan Elrod. Easton, MA: Gordon Research Conference. \*

**Peer Reviewed/Juried Poster Presentation:** Cardinale, Jean, Dina L. Newman, and Kate L. Wright. "Interactive Video Vignettes: Out-of-class Primers that Allow Personalized Active Learning for all Students." Proceedings of the Gordon Research Conference on Undergraduate Biology Education Research. Ed. Susan Elrod. Easton, MA: Gordon Research Conference. \*



**Invited Keynote/Presentation:** Wright, L. Kate and Dina L. Newman. "Interactive Video Vignettes: Out-of-Class Priming Tools to Improve Student Learning of Biology Core Concepts." 24th Annual American Society for Microbiology Conference for Undergraduate Educators. 24th Annual American Society for Microbiology Conference for Undergraduate Educators. Denver, CO. 28 Jul. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Newman, Dina L. and L. Kate Wright. "Lack of Grounding in Molecular Understanding is a Barrier to Conceptual Understanding of Genetic Terminology." 7th Annual Meeting of the Society for the Advancement of Biology Education Research. Society for the Advancement of Biology Education Research. Minneapolis, MN. 22 Jul. 2017. Conference Presentation. «

**Journal Paper:** Wright, L. Kate, Christina M. Catavero, and Dina L. Newman. "The DNA Triangle and Its Application to Learning Meiosis." CBE Life Sciences Education 16. 3 (2017): 1-14. Print. \*

**Journal Paper:** Newman, Dina L. and L. Kate Wright. "Meiosis: A Play in Three Acts, Starring DNA Sequence." CourseSource 4. (2017): 1-9. Print. \*

**Journal Paper:** Wright, L. Kate, et al. "Arrows in Biology: Lack of Clarity and Consistency Points to Confusion for Learners." CBE Life Sciences Education. (2017): 1-13. Print. \*

## ARCHITECTURE

### Dennis A Andrejko, Associate Professor

**Journal Editor:** Andrejko, Dennis A., ed. AURUM - Journal of Engineering Systems and Architecture (A-JESA). Istanbul: Kemerburgaz University, 2017. Print. £

### J Chiavaroli, Professor

**Shows/Exhibits/Installations:** Chiavaroli, Jules. Professor. 13 Dec. 2017. City Hall, Rochester. Exhibit. ~

**Invited Keynote/Presentation:** Chiavaroli, Jules. "Data Inspired Design: New Tools and Standards for Sustainable Buildings." NYSCMA Annual Convention. NY State Concrete Masonry Association (NYSCMA). Rochester, NY. 9 Nov. 2017. Conference Presentation. Δ

## PHD IN SUSTAINABILITY

### Callie Babbitt, Associate Professor

**Journal Paper:** Richa, K., C.W. Babbitt, and G. Gaustad. "Environmental Trade-offs Across Cascading Lithium-Ion Battery Life Cycles." International Journal of Life Cycle Assessment 22. 1 (2017): 68-81. Print. \*

**Invited Keynote/Presentation:** Babbitt, Callie. "Sustainable Materials Management for Consumer Technology." CES 2017. Consumer Technology Association. Las Vegas, NV. 7 Jan. 2017. Keynote Speech.

**Journal Editor:** Babbitt, Callie, ed. Resources, Conservation and Recycling. Special Issue on Circular Economy: Elsevier, 2017. Print.

**Journal Paper:** Ryen, EG., et al. "Ecological Foraging Models as Inspiration for Optimized Recycling Systems in the Circular Economy." Resources, Conservation and Recycling. (2017): 1-10. Print. \*

**Journal Paper:** Babbitt, CW. "A "Systems" Perspective on Clean Technology." Clean Technologies and Environmental Policy. (2017): 2341-2341. Print.

**Journal Paper:** Babbitt, CW. "Foundations of Sustainable Food Waste Solutions: Innovation, Evaluation, and Standardization." Clean Technologies and Environmental Policy. (2017): 1255-1256. Print.

**Book Chapter:** Ryen, EG., CW. Babbitt, and A. Lobos. "Life Cycle Thinking and Sustainable Design for Emerging Consumer Electronic Product Systems." Routledge Handbook of Sustainable Design. Abingdon, England: Routledge International Handbook, 2018. 148-169. Print. Δ

### External Scholarly Fellowships/National Review Committee:

1/1/2017 -  
1/31/2018  
Consumer Technology Association  
Amount: \$90,000  
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**Invited Keynote/Presentation:** Babbitt, CW. "Sustainable Food Waste Management." U.S. Delegate to the G7 Environmental Ministers Meeting. University of Bologna. Bologna, Italy. 9 Jun. 2017. Address.

**Invited Keynote/Presentation:** Babbitt, CW. "International Reviewer." Make Our Planet Great Again Selection Committee. Agence Nationale de la Recherche. Paris, France. 23 Nov. 2017. Address.

**Roger B Chen, Assistant Professor**

**Journal Paper:** Sekar, Ashok, et al. "Digital Narratives of Place: Learning about Neighborhood Sense of Place and Travel from Online Data and Reviews." *Transportation Research Record*. (2017): 1-10. Print. ~

**Peer Reviewed/Juried Poster Presentation:** Altaf, Shahana, Callie Babbitt, and Roger Chen. "The "Evolving Ton" of Electronic Waste: Challenges And Opportunities For Recycling Infrastructure In The United States." *Proceedings of the ISSST*. Ed. ISSST. Chicago, IL: ISSST. «

**Peer Reviewed/Juried Poster Presentation:** Armington, William, Callie Babbitt, and Roger Chen. "Characterizing and Modeling Emerging Regional Food Waste-to-Energy Systems." *Proceedings of the ISSST*. Ed. ISSST. Chicago, IL: ISSST. «

**Journal Paper:** Chen, Roger and Ashok Sekar. "Investigating the Impact of Sense of Place on Site Visit Frequency with Non-Motorized Travel Modes." *Journal of Transport Geography* 66. (2018): 268-282. Print. «

**Journal Paper:** McConky, Katie, Roger Chen, and Glenn Gavi. "A Comparison of Motivational and Informational Contexts for Improving Eco-Driving Performance." *Transportation Research Part F: Traffic Psychology and Behaviour* 52. (2018): 62-74. Print. «

**Journal Paper:** Chen, Roger. "Models of Count with Endogenous Choices." *Transportation Research Part B: Methodology*. (2017): 1-14. Print. «

**Journal Paper:** Sekar, Ashok, Eric Williams, and Roger Chen. "Changes in Time Use and Their Effect on Energy Consumption in the United States." *Joule*. (2018): 1-16. Web. «

**Journal Paper:** Das, Saptarshi, et al. "Impacts of Autonomous Vehicles on Consumers Time-Use Patterns." *Challenges*. (2017): 1-15. Web. «

**Journal Paper:** Desai, Ranjit, Roger Chen, and William Armington. "A Pattern Analysis of Daily Electric Vehicle Charging Profiles: Operational Efficiency and Environmental Impacts." *Journal of Advanced Transportation* 2018. (2018): 1-15. Web. «

**Published Conference Proceedings:** Chen, Roger, et al. "A Queueing Analysis of Operational Inefficiency in Public PEV Charging Stations." *Proceedings of the Annual Meeting of the Transportation Research Board*. Ed. National Academies of Engineering and Science. Rochester, NY: Transportation Research Board, 2017. Web. «

**Published Conference Proceedings:** Armington, William and Roger Chen. "What to Do With All This Food? Examining the Emerging Food Waste Hauling Network in Western New York State." *Proceedings of the Annual Meeting of the Transportation Research Board*. Ed. National Academies of Engineering and Science. Washington, DC: Transportation Research Board, 2017. Web. «

**Book Chapter:** Armington, William, Callie Babbitt, and Roger Chen. "Challenges and Innovations in Food Waste-to-Energy Management and Logistics." *Sustainable Food Waste-to-Energy Systems*. Ed. Thomas Trabold and Callie Babbitt. Amsterdam, Netherlands: Elsevier, 2018. 1-28. Print. Δ

**Carli D Flynn**

**Book Chapter:** Flynn, Carli D. and Cliff I. Davidson. "Saving the Rain in Onondaga County, New York." *Engineering for Sustainable Communities: Principles and Practices*. Ed. William E. Kelly, Barbara Luke, and Richard N. Wright. Reston, VA: American Society of Civil Engineers, 2017. 367-372. Print. Δ

**Gabrielle Gaustad, Associate Professor**

**Journal Paper:** Bustamante, M., G. Gaustad, and E. Alonso. "Comparative Analysis of Supply Risk Mitigation Strategies for Critical Byproduct Minerals- A Case Study of Tellurium." *Environmental Science and Technology*. (2017): 11-21. Web. «

# Featured Faculty

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Roger Chen received his PhD from the University of Maryland, College Park, and BS and MS degrees from the University of Texas at Austin, all in Civil and Environmental Engineering. His research agenda focuses on sustainable mobility and communities, specifically modeling traveler decisions and interactions with the built and natural environments. Roger is currently an active member and communications coordinator of the NASEM TRB Standing Committee ADB20, on Information and Communication Technologies (ICT) and Travel.

His current research which spans broad areas related to sustainable mobility with collaborators across the RIT campus, and is funded by the UTC Program, USDOT and NSF. Currently his research is funded by an NSF-INFEWS project in collaboration with Prof. Callie Babbitt and Prof. Tom Trabold in GIS considering shifts in transportation logistics to meet the new complexities of food waste management. He is also involved with a second NSF project in collaboration with Prof. Eric Williams in GIS and Prof. Eric Hittinger in CLA and aims to understand how economic and carbon benefits of energy technology vary by household and location.

Recent research topics include examining the interrelationships among: (i) Sense of Place (SOP); (ii) non-motorized access or visits; and (iii) adoption and use of mobile information and communication technologies (ICT) with RIT collaborators, including Prof. Juliee Decker from CLA and Dr. Carli Flynn from GIS. His research also examined eco-driving with Prof. Katie McConky from KG-COE, which has increasingly impacted commercial transport providers, as new forms of vehicle automation and more driver-centric feedback emerge. A third area of recent research includes collaboration with Prof. Nick Robalino of CLA, characterizing the role social networks play in motivating resiliency in transportation infrastructures with shared mobility options.

Finally, Roger engages continuous to analyze data collected from information rich sensor-embedded infrastructure systems, such as smart EV charging stations and automated transit fare collection systems. He is particularly interested in understanding the unfolding trajectories these data reveal about transportation systems that gradually evolve towards an autonomous techno-social ecosystem. The methodological tools developed blend econometric and machine learning/data mining approaches. To the extent possible, digital qualitative data scraped from the internet, such as online reviews and comments, is folded into the analysis to provide context and interpretation. The end products include metrics and user-centric decision-making tools for supporting decisions at all levels, from individual travelers to institutional organizations.

## **Roger Chen**

Assistant Professor

RIT Golisano Institute of Sustainability





**Journal Paper:** Gaustad, G., M. Krystofik, and M. Bustamante. "Circular Economy Strategies for Mitigating Critical Material Supply Issues." *Resources, Conservation and Recycling*. (2017): 1-10. Web. «

**Journal Paper:** Ryen, EG., et al. "Ecological Foraging Models as Inspiration for Optimized Recycling Systems in the Circular Economy." *Resources, Conservation and Recycling*. (2017): 1-10. Web. «

**Journal Paper:** Richa, K., C. Babbitt, and G. Gaustad. "Eco-efficiency Analysis of a Lithium-ion Battery Waste Hierarchy Inspired by Circular Economy." special issue on Exploring the Circular Economy, *Journal of Industrial Ecology* 21. 3 (2017): 715-730. Web. «

**Journal Paper:** Noshadravan, A., et al. "Operational Strategies for Increasing Secondary Materials in Metals Production under Uncertainty." *Journal of Sustainable Metallurgy* 3. (2017): 350-361. Web. «

**Published Conference Proceedings:** Mortvedt, Teija, et al. "Understanding Scrap Recycling and the Potential of Hand-held Elemental Analyzers." *Proceedings of the Advances in Environmental Technologies: Recycling and Sustainability Joint Session*. Ed. John Howarter, et al. San Diego, CA: TMS Annual Meetings, 2017. Web. \*

**Published Conference Proceedings:** Leader, Alexandra, et al. "Novel Metrics for Assessing Criticality of Byproduct Metals." *Proceedings of the Pan American Materials Congress: Materials for Green Energy*. Ed. Ramlinga Viswanathan Mangalaraja, et al. San Diego, CA: TMS Annual Meetings, 2017. Web. \*

**Published Conference Proceedings:** Gaustad, Gabrielle, et al. "Scoping the Potential of Coal Ash as a Source of Rare Earth Elements." *Proceedings of the Energy Materials 2017: Recycling of Waste Materials from Manufacturing Processes: Recycling and Sustainability Joint Session*. Ed. Elsa Olivetti. San Diego, CA: TMS Annual Meetings, 2017. Web. \*

**Invited Keynote/Presentation:** Gaustad, Gabrielle. "Sustainable Selection of Materials." *Materials Research Society Conference*. Materials Research Society. Boston, MA. 26 Nov. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Gaustad, Gabrielle. "Secondary and Byproduct Sources of Rare Earth Metals." *Materials Research Society Conference*. Materials Research Society. Boston, MA. 26 Nov. 2017. Lecture.

**Invited Keynote/Presentation:** Gaustad, Gabrielle. "Lifecycles of Lithium Ion Batteries." *National Academy of Engineering Frontiers of Engineering Conference*. Chinese Academy of Engineering. Shanghai, China. 22 Jun. 2017. Conference Presentation.

**Journal Paper:** Leader, A.M., X. Wang, and G. Gaustad. "Creating the 2020 Tokyo Olympic Medals from Electronic Scrap: Sustainability Analysis." *Journal of The Minerals, Metals & Materials Society* 69. 3 (2017): 1539-1545. Web. «

**Journal Paper:** Olivetti, E.A, et al. "Lithium-Ion Battery Supply Chain Considerations: Analysis of Potential Bottlenecks in Critical Metals." *Joule* 1. 2 (2017): 229-243. Web. «

**Journal Paper:** Krystofik, Mark and Gabrielle Gaustad. "Tying Product Reuse into Tying Arrangements to Achieve Competitive Advantage and Environmental Improvement." *Resources, Conservation and Recycling*. (2017): 1-11. Web. «

#### **Thomas Trabold, Associate Professor**

**Journal Paper:** Liu, X. and T.A. Trabold. "Non-Active Area Water Mitigation in Pem Fuel Cells via Bipolar Plate Surface Energy Modification." *International Journal of Hydrogen Energy* 43. 2 (2017): 908-920. Web. «

**Journal Paper:** Hegde, S., J.S. Lodge, and T.A. Trabold. "Characteristics of Food Processing Wastes and Their Use in Sustainable Alcohol Production." *Renewable and Sustainable Energy Reviews* 81. (2017): 510-523. Web. «



**Provisional Patent:** Waller, M., T. Trabold, and M. Bradley. "Apparatus, System and Method for Fuel Cell." U.S. Provisional Patent Application US20170110749. 20 Apr. 2017.

**Full Patent:** Nicotera, P.D., C. Ji, and T.A. Trabold. "Co-Deposition of Conductive Material at the Diffusion Media/Plate Interface." U.S. Patent 9,653,737. 16 May 2017.

**Invited Keynote/Presentation:** Trabold, Thomas. "'Neutrons don't lie!': The Transformational Role of Neutron Imaging in Fuel Cell Science and Technology." NIST Center for Neutron Research (NCNR) 50th Anniversary Symposium. NIST Center for Neutron Research. Gaithersburg, MD. 8 Dec. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Trabold, Thomas. "Sustainable Energy and Mobility Systems." Guest Lecture. Nazareth College. Rochester, New York. 26 Jan. 2017. Guest Lecture.

**Published Conference Proceedings:** Win, S.S., et al. "Feasibility Assessment of Low-Volume Anaerobic Digestion Systems for Institutional Food Waste Producers." Proceedings of the ASME Power and Energy Conversion Conference. Ed. Advanced Energy Systems Division. New York, NY: ASME, 2017. Print. \*

**Invited Keynote/Presentation:** Trabold, T.A. "Pathways to Sustainability of Energy & Mobility Systems." Science & Sustainability. University of Rochester. Rochester, NY. 1 Mar. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Trabold, T.A. "Innovations in Next-generation Energy and Mobility Systems." NYS Master Teacher Program. SUNY Geneseo. Geneseo, NY. 1 Apr. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Trabold, T.A. "Sustainable Food Waste Utilization Pathways." 6th International Energy & Sustainability Conference. Farmingdale State College. East Farmingdale, NY. 20 Oct. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Trabold, T.A. "Food Waste as a Resource for Sustainable Energy Production." Science & Sustainability. University of Rochester. Rochester, NY. 15 Nov. 2017. Guest Lecture.

**Published Conference Proceedings:** Hegde, S., S.S. Win, and T.A. Trabold. "Stabilizing Anaerobic Digestion of Food Waste for Biomethane Production." Proceedings of the ASME Power and Energy Conversion Conference. Ed. Advanced Energy Systems Division. New York, NY: ASME, 2017. Print. \*

#### **Eric Williams, Associate Professor**

**Journal Paper:** Das, Saptarshi, et al. "Analyzing Potential Markets for Autonomous Vehicles Using Time-Use Data." Challenges 8. 3 (2017): 1-15. Web. «

**Journal Paper:** Williams, Eric, et al. "Wind Power Costs Expected to Decrease Due to Technological Progress." Energy Policy 106. (2017): 427-435. Print. \*

**Journal Paper:** Goteti, Srujana Naga, Eric Hittinger, and Eric Williams. "How Much Wind and Solar Are Needed to Realize Emissions Benefits from Storage?" Energy Systems. (2017): 1-23. Web. \*

**Invited Article/Publication:** Williams, Eric and Eric Hittinger. "If We Keep Subsidizing Wind, Will the Cost of Wind Energy Go Down?" TheConversion. (2017). Web. £

**Invited Article/Publication:** Williams, Eric. "How to Tackle the Challenges Posed by E-waste?" Al-Jazeera Online. (2017). Web. £

**Invited Keynote/Presentation:** Williams, Eric. "Consumer Electronics and Energy Demand." IEA Digitalization and Energy Demand Workshop. International Energy Agency. Paris, France. 17 Apr. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Williams, Eric. "A Subjective Perspective on LCA of Emerging Technologies." LCA of Emerging Technologies Workshop. University of Calgary. Calgary, Canada. 20 Jul. 2017. Lecture.

**Invited Keynote/Presentation:** Williams, Eric. "Cross Border Reuse and Recycling of Electronics." 2nd Workshop of the Remanufacturing Working Group. Life Cycle Engineering Expert Committee. Tokyo, Japan. 28 Jul. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Williams, Eric. "Informing Solar Subsidy Policies with an International Model to Predict Residential Adoption." Seminar series. Tokyo Institute of Technology. Tokyo, Japan. 2 Aug. 2017. Lecture.

**Invited Keynote/Presentation:** Williams, Eric. "Progress and Diffusion of New Energy Technologies." Science and Technology Seminars. University of Rochester. Rochester, NY. 22 Sep. 2017. Lecture.

**Invited Keynote/Presentation:** Williams, Eric. "Behavior and Energy Use." PUCP Seminar. Pontifical Catholic University of Peru. Lima, Peru. 22 Nov. 2017. Lecture.

**External Scholarly Fellowships/National Review Committee:**

10/1/2017 -

12/31/2018

Ford Motor Company

Amount: \$18,000

## RESEARCH CENTERS

### Mark A Krystofik

**Journal Paper:** Gaustad, Gabrielle, et al. "Circular Economy Strategies for Mitigating Critical Material Supply Issues." Resources, Conservation and Recycling. (2017): 1-10. Web. «

**Journal Paper:** Krystofik, Mark, et al. "Adaptive Remanufacturing for Multiple Lifecycles: A Case Study in Office Furniture." Resources, Conservation and Recycling. (2017): 1-10. Web. «

**Journal Paper:** Krystofik, Mark and Gabrielle Gaustad. "Tying Product Reuse into Tying Arrangements to Achieve Competitive Advantage and Environmental Improvement." Resources, Conservation and Recycling. (2017): 1-11. Web. «

### Nabil Nasr, Professor

**Invited Article/Publication:** Nasr, N. "Redefining Manufacturing for a Modern Economy." ISE Magazine. (2017). Print. ^

**Invited Article/Publication:** Nasr, N. "Disruptive Innovation Can Revive Manufacturing." ISE Magazine. (2017). Print. ^

**Invited Article/Publication:** Nasr, N. "How the Circular Economy Can Become a Reality." ISE Magazine. (2017). Print. ^

**Invited Article/Publication:** Nasr, N. "Clean Tech Helps Drive Denmark's Economy." ISE Magazine. (2017). Print. ^

### National/International Competition Award

**Winner:** Nasr, N. Remanufacturing Industries Council. 2017 ACE Award. Rochester, NY, 2017.

### National/International Competition Award

**Winner:** Nasr, N. Rochester Engineering Society. 2017 Engineer of Distinction. Rochester, NY, 2017.

### National/International Competition Award

**Winner:** Nasr, N. Rochester Business Journal and Rochester Technology and Manufacturing Association. Chairperson's Award, Technology and Manufacturing Award. Rochester, NY, 2017.

**Invited Keynote/Presentation:** Nasr, N. "Sustainability Issues for a New Administration/Congress." 2017 Consumer Electronics Show. Consumer Technology Association. Las Vegas, NV. 7 Jan. 2017. Conference Presentation.



**Invited Keynote/Presentation:** Nasr, N. "Gains from Remanufacturing, Refurbishment, Repair, and Direct Reuse; Insights from the International Resource Panel." The European Commission and the International Resource Panel Workshop on Promoting Remanufacturing, Refurbishment, Repair and Direct Reuse as a Contribution to the G7Alliance on Resource Efficiency. The European Commission and the United Nations Environment Programme. Brussels, Belgium. 7 Feb. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Barriers for Advancing Remanufacturing, Refurbishment, Repair and Direct Reuse." The European Commission and the International Resource Panel Workshop on Promoting Remanufacturing, Refurbishment, Repair and Direct Reuse as a Contribution to the G7Alliance on Resource Efficiency. The European Commission and the United Nations Environment Programme. Brussels, Belgium. 7 Feb. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Sustainable Production and the Circular Economy." Department of Civil & Urban Engineering Distinguished Faculty Seminar. Tandon School of Engineering, NYU. Brooklyn, NY. 17 Feb. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Nasr, N. "The Big Picture; Opportunities and Challenges." CE100 USA Acceleration Workshop. The Ellen MacArthur Foundation. Seattle, WA. 8 Mar. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Future Technologies for the Circular Economy." World Circular Economy Forum. Sitra. Helsinki, Finland. 6 Jun. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Introduction to Reman Roadmap." RIC-RIT World Remanufacturing Conference. Remanufacturing Industries Council & RIT. Rochester, NY. 21 Jun. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "The REMADE Institute." Aircraft Fleet Recycling Association Annual Meeting. AFRA. Reston, VA. 10 Jul. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Sustainable Production and Eco-Innovation." US Business Council for Sustainable Development Annual Summer Conference. The Ohio State University. Columbus, OH. 18 Jul. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Nasr, N. "Achieving the Circular Economy and the Role of EPR." U.S. Product Stewardship Forum. Product Stewardship Institute. Boston, MA. 25 Jul. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Nasr, N. "Global Challenges for Remanufacturing." MERA-GIS Remanufacturing and Sustainability Conference. MERA. Troy, MI. 4 Oct. 2017. Keynote Speech.

## RIT CROATIA

### Vanda Bazdan

**Journal Paper:** Samardzija, Jasminka, Joseph Kevin Walker, and Vanda Bazdan. "Career Development and Personal Success Profile of Students - followers and Students - potential future leaders: The Case of RIT Croatia." *Journal of Contemporary Management Issues* 22. (2017): 85-107. Print. «

**Journal Paper:** Agušaj, Besim, Vanda Bazdan, and Dina Lujak. "The Relationship Between Online Rating, Hotel Star Category and Room Pricing Power." *Ekonska Misao i Praksa* 1. (2017): 189-204. Print. «

### Luka Borsic

**Full Length Book:** Borsic, Luka and Ivana Skuhala Karasman. *Philosophy as Teamwork*. Zagreb, Croatia: Institute Of Philosophy, 2017. Print. £

### Ambroz Čivljak

**Journal Paper:** Čivljak, Ambroz. "On Euler Harmonic Identities for Measures and Error Estimations." *Journal of Classical Analysis* 11. 1 (2017): 45-67. Print. «

### Nikola Draskovic

**Journal Paper:** Draskovic, Nikola, Ana Kustrak Korper, and Katharina Kilian-Yasin. "Student Attitudes Toward Use of Social Media in the Learning Process: A Comparative Study of Croatian and German Students." *International Journal of Management Cases* 19. 2 (2017): 53-64. Web. «

### MILENA X KUZNIN

**Journal Paper:** Kuznin, Milena and Joseph Kevin Walker. "Contemporary Leadership Challenges in Hospitality Organizations in Times of Uncertainty and Change." *DIEM*. (2017): 86-87. Print. \*

**Journal Paper:** Kuznin, Milena, Zrinka Friganovic Sain, and Rebecca Charry Roje. "Teaching Intercultural Competence in Undergraduate Business and management Studies - a Case Study." *Croatian Journal of Education* 19. 1 (2017): 55-71. Print. «

**Journal Paper:** Kuznin, Milena, Jasminka Samardzija, and Joseph Kevin Walker. "Student Leadership, Career Development and Personal Success Profiles." *Economic Thought and Practice* 26. 1 (2017): 343-360. Print. \*

### Milivoj Markovic

**Published Conference Proceedings:** Markovic, Milivoj, Nikola Draskovic, and Jasminka Samardzija. "Competitive Advantage in Cost Sensitive Glass Packaging Industry Through Outbound Logistics." *Proceedings of the 17th International Scientific Conference Business Logistics in Modern Management*. Ed. Davor Dujak. Osijek, Croatia: Faculty of Economics in Osijek, 2017. Print. \*

**Published Conference Proceedings:** Markovic, Milivoj, Nikola Draskovic, and Domagoj Hruskar. "Challenges of the Challengers: An Insight into the Internationalization Pathway of Croatian Digital Agencies." *Proceedings of the 28th DAAAM International Symposium on Intelligent Manufacturing and Automation*. Ed. Branko Katalinic. Vienna, Austria: DAAAM International, 2017. Web. \*

### Branko Mihaljevic

**Invited Keynote/Presentation:** Mihaljević, Branko and Aleksander Radovan. "CroDuke Indy and the Kingdom of Java Skills." *4th International Java Community Conference in Croatia - Javantura v4. HUJAK*. Zagreb, Croatia. 11 Feb. 2017. Keynote Speech. \*

**Invited Article/Publication:** Mihaljević, Branko and Aleksander Radovan. "Module to Module – New Java 9 Jigsaw / Modul do modula - nova Java 9 slagalica." Mreža magazine. (2017). Print.

**Invited Article/Publication:** Mihaljević, Branko. "CroDuke Indy and the Kingdom of Java Developers / CroDuke Indy i kraljevstvo Java developera." Mreža magazine. (2017). Print.

**Journal Paper:** Šarić, Andrej and Branko Mihaljević. "Smart Parking System in the City of Dubrovnik." RIThink 6. (2017): 10. Web. \*

**Published Conference Proceedings:** Šarić, Andrej, Branko Mihaljević, and Kristina Marasović. "Making a Smart City Even More Intelligent Using Emergent Property Methodology." Proceedings of the 40th International Convention for Information and Communication Technology, Electronics and Microelectronics (MIPRO 2017), 2017, Opatija, Croatia. Ed. Petar Biljanović. Rijeka, Croatia: MIPRO, 2017. Print. «

**Published Conference Proceedings:** Bach, Leo, Branko Mihaljević, and Aleksander Radovan. "Exploring HTTP/2 Advantages and Performance Analysis using Java 9." Proceedings of the 40th International Convention for Information and Communication Technology, Electronics and Microelectronics (MIPRO 2017), 2017, Opatija, Croatia. Ed. Petar Biljanović. Rijeka, Croatia: MIPRO, 2017. Print. \*

**Published Conference Proceedings:** Radovan, Aleksander, Branko Mihaljević, and Kristina Marasović. "Experience in Using Anti-Plagiarism Software in Teaching / Iskustva u korištenju antiplagijatskog softvera u nastavi." Proceedings of the Carnet User Conference - CUC 2017. Ed. Ana Orlović. Dubrovnik, Croatia: CARNet, 2017. Web. «

**Invited Keynote/Presentation:** Mihaljević, Branko and Aleksander Radovan. "Java – The One to Rule Them (Us) All." 6th International Java Conference in Croatia - JavaCro'17. HrOUG & HUJAK. Rovinj, Croatia. 12 May 2017. Keynote Speech. \*

**Invited Keynote/Presentation:** Radovan, Aleksander and Branko Mihaljević. "Java Lambdas and Streams – Are They Better Than For Loops?" 4th International Java Community Conference in Croatia - Javantura v4. HUJAK. Zagreb, Croatia. 11 Feb. 2017. Conference Presentation. \*

#### Evelina Miscin

**Journal Paper:** Miščin, Evelina. "Collocational Errors of Financial Management Students." Zbornik radova s međunarodnoga znanstvenog skupa hrvatskog društva za primijenjenu lingvistiku. (2016): 221-235. Print. «

**Published Conference Proceedings:** Miščin, Evelina. "Kolokacijska kompetencija studenata medicinskog i poslovnog engleskog jezika." Proceedings of the Od teorije do prakse u jeziku struke. Ed. Darija Omrčen and Vesna Cigan. Zagreb, Croatia: n.p., 2016. Print. «

#### Jakob Patekar

**Journal Paper:** Patekar, Jakob. "Odnos norme i uzusa na primjeru paronima." Rasprave: Časopis Instituta za hrvatski jezik i jezikoslovlje 43. 1 (2017): 163-179. Print. «

#### Jasminka Samardžija

**Journal Paper:** Samardžija, Jasminka, Joseph Kevin Walker, and Vanda Bazdan. "Career development and personal success profile of students - followers and students - potential future leaders: The case of RIT Croatia." Journal of Contemporary Management Issues Vol.22. (2017): 85-107. Web. «

**Published Conference Proceedings:** Marković, Milivoj, Nikola Drašković, and Jasminka Samardžija. "COMPETITIVE ADVANTAGE IN COST SENSITIVE GLASS PACKAGING INDUSTRY THROUGH OUTBOUND LOGISTICS." Proceedings of the 17th international scientific conference Business Logistics in Modern Management, October 12-13 2017. Ed. Davor Dujak, Jelena Franjković. Osijek, Croatia: EFOS - Faculty of Economics in Osijek, 2017. Web. «

# Featured Faculty

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Maja Vidovic, Ph.D. is a Lecturer at RIT Croatia and an Adjunct Lecturer at The Pennsylvania State University, USA. Her research and teaching is focused in the area of Human Resource Management (HRM) in general, and International HRM specifically.

Maja obtained her B.Sc., M.Sc. and Ph.D. degrees at the University of Zagreb, Faculty of Economics and Business, with all three degrees focusing on HRM. She worked as an assistant/senior assistant at the same university for 12 years. Continued her career as faculty at the Penn State University on a post-doctoral teaching fellow position, and later as an adjunct instructor at their online program. Since Fall 2015, she has been employed as a Lecturer at RIT Croatia.

At RIT Croatia Maja teaches introductory course *Business 1*, as well as courses *Organizational Behavior and Human Resources Management*, with the latter two also being offered as an online option. At Penn State, she is teaching *International Human Resource Studies* online course. In her classroom (both real and virtual one) Maja focuses on developing critical thinking and understanding by encouraging students to re-think the concepts they encounter through her courses. In her in-class courses, she applies flipped classroom approach and has received a recognition for her work in the form of *The Best Teacher Award* in 2017.

Maja Vidovic has been a member of organizing committees for several scientific conferences, both in Croatia as well as in the US, and is the author of several book chapters and many scientific papers. In the year 2016/2017, Maja has authored four book chapters (one of them published by *Pearson*, and one by *Routledge*), has been a guest editor for a special issue in the *Current Contents* listed journal, published one paper in the *CC* listed journal, and presented one paper at a conference.

## **Maja Vidovic**

Assistant Professor  
RIT Croatia





**Journal Paper:** Samardzija, Jasminka, Joseph Kevin Walker, and Milena Kuznin. "STUDENT LEADERSHIP, CAREER DEVELOPMENT AND PERSONAL SUCCESS PROFILES." *Ekonomika misao i praksa*. No. 1 (2017): 343-361. Web. «

**Published Conference Proceedings:** Samardzija, Jasminka. "Propulsive leadership characteristics for upgrading new generation of leaders in transition societies." Proceedings of the The 10th annual EUROMED ACADEMY OF BUSINESS (EMAB) CONFERENCE Global and national business theories and practice: bridging the past with the future. Ed. Demetris Vrontis, Yaakov Weber, and Evangelos Tsoukatos. Rome, Italy: EuroMed Press, 2017. Web. «

**Published Conference Proceedings:** Samardzija, Jasminka. "Discriminative Analysis of Female and Male Leadership Characteristics on the Croatian Population." Proceedings of the *Ekonomika politika Hrvatske u 2018*. Ed. Ljubo Jurcic. Opatija, Croatia: Hrvatsko društvo ekonomista, 2017. Web. «

## Maja Vidovic

**Journal Editor:** Farndale, Elaine, et al, ed. *The International Journal of Human Resource Management*. NA: n.p., 2017. Web. «

**Book Chapter:** Farndale, Elaine and Maja Vidovic. "Employee Engagement." *Contemporary Human Resource Management*. Ed. Adrian Wilkinson, Tom Redman, and Tony Dundon. Harlow, UK: Pearson, 2017. 429-449. Print. «

**Book Chapter:** Vokic, Nina Poloski and Maja Vidovic. "Generational HRM Preferences - Motivating Xers and Yers." *Generation X, Y and The Baby Boomers*. Ed. Olivia R James. New York, NY: Nova Publishers, 2017. 1-26. Print. «

**Book Chapter:** Vidovic, Maja and Elaine Farndale. "HR Departments in Multinational Corporations." *International Human Resource Management*. Ed. Connie Zheng. New York, NY: Nova Publishers, 2016. 21-44. Print. «

**Journal Paper:** Farndale, Elaine, et al. "A vision of international HRM research." *The International Journal of Human Resource Management* 28. 12 (2017): 1625-1639. Web. «

**Published Conference Proceedings:** Vidovic, Maja. "Assessing the autonomy of subsidiary HR departments with regard to subsidiary HR role – does administrative subsidiary HR role mean no autonomy?" Proceedings of the 3rd Global Conference on International Human Resource Management. Ed. Elaine Farndale. New York, NY: n.p., 2017. Web. «

**Published Conference Proceedings:** Atli, Dincer, Maja Vidovic, and Mislav Ante Omazic. "Communicating Corporate Social Responsibility On The Web - A Content Analysis Of Annual And Sustainability Reports In World's Best Multinational Workplaces." Proceedings of the Second HR Division International Conference (HRIC) 2016. Ed. NA. Sydney, AU: n.p., 2016. Print. «

**Published Conference Proceedings:** Vokic, Nina Poloski and Maja Vidovic. "Learning from multinationals – are Croatian organizations using the same HRM practices?" Proceedings of the *An Enterprise Odyssey*. Ed. Lovorka Galetic. Zagreb, CRO: n.p., 2016. Print. «

**Journal Paper:** Vokic, Nina Poloski and Maja Vidovic. "Managing internal digital publics: What matters is digital age not digital nativity." *Public Relations Review* 41. 2 (2015): 232-241. Print. «

**Published Conference Proceedings:** Vidovic, Maja. "Preserving HRM authenticity in subsidiaries of MNCs: Practice and challenges in developing countries." Proceedings of the Eastern Academy of Management Conference. Ed. NA. Philadelphia, PA: n.p., 2015. Print. «

**Published Conference Proceedings:** Vidovic, Maja. "Revising strategies for managing employees in subsidiaries of MNCs – Recognizing and charting a strategy predominantly used for subsidiaries in developing countries." Proceedings of the Academy of International Business Conference. Ed. NA. Chicago, IL: n.p., 2015. Web. «

**Journal Paper:** Vidovic, Maja. "The role of MNCs in developing best practices in HRM." *Journal of Accounting and Management* 5. 1 (2015): 51-61. Print. «

## RIT DUBAI

### Charalampos Manifavas

**Published Conference Proceedings:** Fysarakis, K., et al. "Which IoT Protocol? Comparing Standardized Approaches over a common M2M Application." *Proceedings of the 2016 IEEE Global Communications Conference (GLOBECOM)*, Washington, DC USA. Ed. Communications Conference (GLOBECOM). New York, NY: IEEE, 2017. Web. \*

### Jonathon Penny

**Shows/Exhibits/Installations:** Penny, Jonathon. *Diggers*. By Mark Mitchell, Mark Easthope, and Falene Wolsey. 13-17 Dec. 2017. Broadway Theatre, Canada. Performance. ≠

### Mohamed A Samaha

**Journal Paper:** Al-Sarrach, Hassan M. S., Ghalib Y. Kahwaji, and Mohamed A. Samaha. "Modeling Coupled Conduction-Convection Ice Formation on a Horizontal Axially Finned and Un-Finned Tubes." *Journal of Fluids Engineering, Transactions of the ASME* 139. (2017): 1-13. Web. \*

**Published Conference Proceedings:** Samaha, Mohamed A. and Ghalib Y. Kahwaji. "Passively Enhancing Convection Heat Transfer Around Cylinder Using Shrouds." *Proceedings of the The 70th Annual Meeting of the American Physical Society Division of Fluid Dynamics*, November 19 – 21, 2017, Denver, Colorado, USA. Ed. Michael Thoennessen. Denver, CO: American Physical Society, 2017. Web. \*

## BIOMEDICAL ENGINEERING

### Vinay V Abhyankar

**Journal Paper:** Hasan, Mohammad R., et al. "One-Step Fabrication of Flexible Nanotextured PDMS as a Substrate for Selective Cell Capture." Biomedical Physics & Engineering Express. (2017): 1-11. Web. \*

**Published Conference Proceedings:** Tran, Nhat, et al. "MicroRNA Dysregulatory Synergistic Network: Learning Context-Specific MicroRNA Dysregulations in Lung Cancer Subtypes." Proceedings of the 2017 IEEE International Conference on Bioinformatics and Biomedicine (BIBM). Ed. IEEE. Kansas City, MO: IEEE, 2017. Web. \*

**Peer Reviewed/Juried Poster Presentation:** Inyang, Edidiong, Vinay V. Abhyankar, and Michael Cho. "Validation of an in vitro TBI Model for Blood Brain Barrier Disruption." Proceedings of the Biomedical Engineering Society Annual Meeting. Ed. BMES. Phoenix, AZ: BMES. £

**Peer Reviewed/Juried Poster Presentation:** Almendariz, Cristian, Mohammad R. Hasan, and Vinay V. Abhyankar. "A 3D Printed, Low Cost, High Capacity Bubble Trap for Microfluidic Applications." Proceedings of the Biomedical Engineering Society Annual Meeting. Ed. BMES. Phoenix, AZ: BMES. £

**Peer Reviewed/Juried Poster Presentation:** Hasan, Mohammad R., et al. "Flexible Nanotextured PDMS As A Substrate for Selective Cell Capture." Proceedings of the Biomedical Engineering Society Annual Meeting. Ed. BMES. Phoenix, AZ: BMES. £

### Iris Asllani, Assistant Professor

**Published Conference Proceedings:** Mutsaerts, Henri J., et al. "Explore-ASL: Image Processing Toolbox For Multi-Center ASL Population Analyses." Proceedings of the European Society for Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESM-RMB, 2017. Print. \*

**Journal Paper:** Marshall, Randolph S., et al. "Altered Cerebral Hemodynamics and Cortical Thinning In Asymptomatic Carotid Artery Stenosis." PLOS One. (2017): 1-14. Print. \*

**Invited Keynote/Presentation:** Asllani, Iris. "High Field ASL: Advantages and Disadvantages." Seminar Series on High Field MRI. University of Amsterdam. Amsterdam, Netherlands. 15 Jul. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Asllani, Iris. "Arterial Spin Labeling perfusion MRI: To PVEc or Not to PVEc?" Radiology Seminar. Imperial College. London, England. 22 Feb. 2017. Guest Lecture.

**Journal Paper:** Petr, Jan, et al. "Photon vs. Proton Radiochemotherapy: Effects on Brain Tissue Volume and Perfusion." Radiotherapy and Oncology. (2017): 221-231. Print. \*

**Published Conference Proceedings:** Liao, Justin, et al. "Effect of Brain Extraction of Low Resolution Arterial Spin Labeling (ASL) fMRI Images on Realignment and Coregistration." Proceedings of the Engineering in Medicine and Biology. Ed. IEEE and EMBS. Piscataway, NJ: EMBS, 2017. Print. \*



**Published Conference Proceedings:** Marshall, Ronald S., et al. "Regional Hypoperfusion is Associated with Cortical Thinning in Asymptomatic Carotid Artery Disease." Proceedings of the International Stroke Conference. Ed. Marc Fisher. Houston, TX: ICS, 2017. Print. \*

**Invited Keynote/Presentation:** Asllani, Iris. "Applications of ASL PhysMRI in Aging and Dementia." Clinical Imaging Science Center. University of Brighton-Sussex. Brighton, UK. 21 Nov. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Mutsaerts, Henk-Jan and Iris Asllani. "ASL Spatial CoV Predicts Carotid Occlusion Side." European Society for Magnetic Resonance in Medicine and Biology. ESMRMB. Barcelona, Spain. 17 Oct. 2017. Conference Presentation.

**Published Conference Proceedings:** Petr, Jan, et al. "Perfusion Decrease During Radiochemotherapy is Not Fully Explained by Volumetric Gray Matter Changes." Proceedings of the International Society of Magnetic Resonance in Medicine. Ed. ISMRM. Concord, CA: ISMRM, 2017. Print. \*

**Published Conference Proceedings:** Chappell, Michael, et al. "Partial Volume Effects in Arterial Spin Labelling: Something to Live with or Correct for?" Proceedings of the International Society for Magnetic Resonance in Medicine. Ed. ISMRM. Concord, CA: ISMRM, 2017. Print. \*

**Published Conference Proceedings:** Mutsaerts, Henri J., et al. "Arterial Spin Labeling Spatial Coefficient of Variation Predicts Carotid Occlusion Side." Proceedings of the European Society of Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESMRMB, 2017. Print. \*

**Published Conference Proceedings:** Petr, Jan, et al. "Comparison of Two Methods for Atrophy-Correction in Perfusion Imaging: Partial-Volume Correction Versus Gray-Matter Volume Covariate." Proceedings of the European Society for Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESMRMB, 2017. Print. \*

**Published Conference Proceedings:** Mutsaerts, Henri J., et al. "Perfusion Changes Following Elective Surgery In the Elderly." Proceedings of the European Society for Magnetic Resonance in Medicine and Biology. Ed. Patrick Cozzone. Vienna, Austria: ESMRMB, 2017. Print. \*

**Invited Keynote/Presentation:** Asllani, Iris. "Clinical Applications of Arterial Spin Labeling Perfusion MRI." Perfusion Imaging in Oncological Research. Institut und Poliklinik für Diagnostische und Interventionelle Neuroradiologie. Dresden, Germany. 24 Jun. 2017. Lecture.

### Steven Day, Associate Professor

**Peer Reviewed/Juried Poster Presentation:** Sul, Bora, et al. "Computational Assessment of Airflow Sensitivity to Healthy and Diseased Lung Conditions." Proceedings of the Biomedical Engineering Society Annual Meeting. Ed. BMES. Phoenix, AZ: BMES. \*

**Journal Paper:** Malinauskas, R., et al. "FDA Benchmark Medical Device Flow Models for CFD Validation." *ASAIO Journal* 63. 2 (2017): 150-160. Print. \*

**Journal Paper:** Tchanchaleishvili, Vakhtang, et al. "Clinical Implications of Physiological Flow Adjustment in Continuous-Flow Left Ventricular Assist Devices." *ASAIO Journal* 63. 3 (2017): 241-250. Print. \*

### Thomas R Gaborski, Assistant Professor

**Journal Paper:** Carter, R.N., et al. "Ultrathin Transparent Porous Glass Membranes For Cell Culture." *Biofabrication* 9. 1 (2017): 1-23. Print. \*

**Journal Paper:** Casillo, S.M., et al. "Membrane Pore Spacing Can Modulate Endothelial Cell-Substrate and Cell-Cell Interactions." *ACS Biomaterials Science & Engineering* 3. 3 (2017): 243-248. Print. \*

**Journal Paper:** Ramirez, M.M. and T.R. Gaborski. "Fabrication Techniques Enabling Ultrathin Nanostructured Membranes for Separations." *Electrophoresis* 28. 19 (2017): 2374-2388. Print. \*

# Featured Faculty

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Alfonso fuentes is an associate professor in the department of mechanical engineering in the kate gleason college of engineering. His main research interests lie in the development of computational tools for advanced gear design, simulation of meshing and contact, and finite element analysis of any type of gear drive.

Although gears are one of the oldest mechanical components, the technology of gear design and simulation is still facing many challenges and a constant pressure to achieve better designs with lower levels of noise and vibration with extended life or higher power density. In this regard, Dr. Fuentes accumulates more than twenty years of experience facilitating further understanding of the processes of gear generation and micro-geometry modifications as well as providing the computational tools that gear designers need to improve existing designs or develop new ones with better conditions of meshing and contact.

Dr. Fuentes is involved in the development of improved gear transmissions applied in helicopter, marine, and automotive industries, development of enhanced design technologies for all types of gears, and the development of IGD – Integrated Gear Design – as the ultimate computer program for advanced gear design, analysis, and simulation of any type of gear drive. He maintains an active collaboration with the Enhanced Gear Drives Research Group (GITAE) of the Polytechnic University of Cartagena, which he founded in 2002. His research has been recognized with several awards, including a NASA Tech Brief Award in 2004 for the development of a new technology entitled “New Geometry of Face Worms Gear drives with Conical and Cylindrical Worms” and the Thomas Bernard Hall Prize in 2001 which was granted by the Institution of Mechanical Engineers of London to authors of outstanding papers dealing with invention, design, or research in Mechanical Engineering.

Dr. Fuentes has authored two research books and more than a hundred publications including journal articles, conference papers, and technical reports. He is coauthor of the book *Gear Geometry and Applied Theory* with Dr. Faydor L. Litvin, which has accumulated more than 2,400 citations so far. Since 2015, he has been the gear and cam subject editor for the journal *Mechanism and Machine Theory*.

## **Alfonso Fuentes**

Associate Professor

RIT Kate Gleason College of Engineering





**Journal Paper:** Chung, H.H., et al. "Porous Substrates Promote Early Endothelial Migration at the Expense of Fibronectin Fibrillogenesis." ACS Biomaterials Science & Engineering 4. 1 (2018): 222-230. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Dehghani, M.A. and T.R. Gaborski. "Capture and Release of Extracellular Vesicles on Nanoporous Membranes." Proceedings of the ASME International Conference on Mini Micro and Nanochannels. Ed. ASME. Boston, MA: ASME. \*

**Peer Reviewed/Juried Poster Presentation:** Chung, H.H., et al. "Porous Substrates Influence Early Endothelial Migration and the Associated Fibronectin Fibrillogenesis." Proceedings of the Biomedical Engineering Society. Ed. BMES. Phoenix, AZ: BMES. \*

**Peer Reviewed/Juried Poster Presentation:** Casillo, S.M., S.J. Perry, and T.R. Gaborski. "Disrupted Surfaces of Porous Membranes Reduce YAP Nuclear Localization in Adipose-Derived Stem Cells." Proceedings of the Biomedical Engineering Society. Ed. BMES. Phoenix, AZ: BMES. \*

**Peer Reviewed/Juried Poster Presentation:** Ramirez, M.M., C. Soule, and T.R. Gaborski. "Co-Culture Membranes With Tunable Nanopore Sizes To Selectively Control Cell-Cell Communication." Proceedings of the Biomedical Engineering Society. Ed. BMES. Phoenix, AZ: BMES. \*

**Peer Reviewed/Juried Poster Presentation:** Ramirez, M.M., et al. "Development of Transparent Ultrathin Membranes Capable of Modulating Cell-Substrate and Cell-Cell Interactions." Proceedings of the Materials Research Society. Ed. MRS. Phoenix, AZ: MRS. \*

#### **Blanca H Lapizco-Encinas, Associate Professor**

**Journal Paper:** Flanagan, L.A., F.H. Labeed, and B.H. Lapizco-Encinas. "Focus on AES Annual Meeting 2016." Electrophoresis 38. 20 (2017): 2553-2553. Print. \*

**Journal Paper:** Lapizco-Encinas, B.H. and Z. El Rassi. "Electro- and Liquid Phase Separations (ITP 2016)." Electrophoresis 38. 12 (2017): 1537-1537. Print. \*

**Journal Paper:** Lapizco-Encinas, B.H. "Dielectrophoresis 2017." Electrophoresis 38. 11 (2017): 1405-1406. Print. \*

**Journal Paper:** Saucedo-Espinosa, M.A. and B.H. Lapizco-Encinas. "Exploiting Particle Mutual Interactions To Enable Challenging Dielectrophoretic Processes." Analytical Chemistry 89. 16 (2017): 8459-8467. Print. \*

**Journal Paper:** Romero-Creel, M.F., et al. "Assessment of Sub-Micron Particles By Exploiting Charge Differences with Dielectrophoresis." Micromachines 8. 8 (2017): 239-253. Web. \*

**Invited Keynote/Presentation:** Lapizco-Encinas, B.H. "Effects of Particle's Properties On Dielectrophoretic Separations." 24th International Symposium on Electro- and Liquid Phase-Separation Techniques. ITP. Sopot, Poland. 11 Sep. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Lapizco-Encinas, B.H. "Dielectrophoretic Schemes For Particle Manipulation." Artie McFerrin Department of Chemical Engineering. Texas A&M University. College Station, TX. 10 Apr. 2017. Keynote Speech.

**Journal Editor:** Lapizco-Encinas, B.H., ed. Electrophoresis. Germany: Wiley, 2017. Print.

**Invited Keynote/Presentation:** Perez-Gonzalez, V.H., R.C. Gallo-Villanueva, and B.H. Lapizco-Encinas. "Obstacle-Density Effects on Particle Trapping in Insulator-Based Dielectrophoresis Systems." AIChE Annual Meeting 2017. AIChE. Minneapolis, MN. 31 Oct. 2017. Conference Presentation. £



**Invited Keynote/Presentation:** Gallo-Villanueva, R.C., V.H. Perez-Gonzalez, and B.H. Lapizco-Encinas. "Effect of Insulator Post Shape on Joule Heating Effects in Insulator-Based Dielectrophoretic Devices." AICHE Annual Meeting 2017. AICHE. Minneapolis, MN. 1 Nov. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Saucedo-Espinosa, M.A and B.H. Lapizco-Encinas. "Using Particle-Particle Interactions to Enable Challenging DEP Separations." AICHE Annual Meeting 2017. AICHE. Minneapolis, MN. 31 Oct. 2017. Conference Presentation. £

**Peer Reviewed/Juried Poster Presentation:** Polniak, D., E. Goodrich, and B.H. Lapizco-Encinas. "Dielectrophoretic Separation of Large Microscale Particles ( $dp > 5 \mu m$ ) By Exploiting Charge Differences." Proceedings of the AICHE Annual Meeting 2017. Ed. AICHE. Minneapolis, MN: AICHE. £

**Peer Reviewed/Juried Poster Presentation:** Goodrich, E., M.F. Romero-Creel, and B.H. Lapizco-Encinas. "Dielectrophoretic Assessment of Sub-Micron Particles By Exploiting Charge Differences." Proceedings of the AICHE Annual Meeting 2017. Ed. AICHE. Minneapolis, MN: AICHE. £

**Invited Keynote/Presentation:** Wang, T., et al. "Insulator-Based Dielectrophoresis As an Anti-Fouling Strategy for Nanoporous Silicon-Nitride Membrane Filters." 2017 Meeting of the Electrochemical Society. ECS. New Orleans, LA. 31 May 2017. Conference Presentation. £

**National/International Competition Award Winner:** Lapizco-Encinas, B.H. National Science Foundation. Funded Grant: Development of Dielectrophoresis Chromatography Employing Asymmetric Insulating Structures and Electric Fields. Alexandria, VA, 2017. \*

**National/International Competition Award Winner:** Goodrich, Eric and Blanca Lapizco-Encinas. AES Electrophoresis Society. AES Travel Award. Minneapolis, MN, 2017. £

## **Cristian A Linte, Assistant Professor**

**Published Conference Proceedings:** Zikri, Y.K. Ben, S. Mendez, and C.A. Linte. "Anatomical Based Registration of Multi-sector X-ray Images for Long Limb Panorama Generation." Proceedings of the Proc SPIE Medical Imaging: Biomedical Applications in Molecular, Functional and Structural Images. Ed. B. Jimi and A. Krol. Bellingham, WA: SPIE, 2017. Print. \*

**Published Conference Proceedings:** Jalalahmadi, G., M. Helguera, and C.A. Linte. "A Numerical Finite Element Model to Study the Biomechanical Behavior of Abdominal Aortic Aneurysm." Proceedings of the Proc SPIE Medical Imaging: Biomedical Applications in Molecular, Functional and Structural Images. Ed. B. Jimi and A. Krol. Bellingham, WA: SPIE, 2017. Print. \*

**Published Conference Proceedings:** Jackson, A., et al. "3D Printing for Orthopedic Applications: From High Resolution Cone Beam CT Images to Life Size Physical Models." Proceedings of the Proc SPIE Medical Imaging: Imaging Informatics for Healthcare, Research and Applications. Ed. T. Cook and J. Zhang. Bellingham, WA: SPIE, 2017. Print. \*

**Published Conference Proceedings:** Krueger, E., et al. "An Interactive, Stereoscopic Virtual Environment for Medical Imaging Visualization, Simulation and Training." Proceedings of the Proc SPIE Medical Imaging: Image Perception, Observer performance and Technology Assessment. Ed. M. Kupinsky and R. Nishikawa. Bellingham, WA: SPIE, 2017. Print. \*

**Journal Paper:** Linte, C.A., et al. "Lesion Modeling, Characterization, and Visualization for Image-guided Cardiac Ablation Therapy Monitoring." Journal of Medical Imaging. (2017): 1-16. Print. \*

**Journal Paper:** Otani, N.F., et al. "Assessing Cardiac Tissue Function via Action Potential Wave Imaging Using Cardiac Displacement Data." Lect Notes Comput Vision Biomech 27. (2017): 903-912. Print. \*

**Journal Paper:** Dangi, S., et al. "A Robust Head CT Image Registration Pipeline for Craniosynostosis Skull Correction Surgery." IET Healthcare Technology Letters 4. 5 (2017): 174-178. Print. «

**Journal Paper:** Dangi, S. and C.A. Linte. "Using Atlas Prior with Graph Cut Techniques For Right Ventricle Segmentation Form Cardiac MRI Images." Lect Notes Comput Sci 10263. (2017): 83-94. Print. «

**Journal Editor:** Linte, C.A. and N. Padoy, ed. Springer's Journal of Computer Assisted Radiology and Surgery - Special Issue on Information Processing for Computer-Assisted Interventions. Heidelberg: Springer-Verlag, 2017. Print. \*

**Journal Editor:** Linte, C.A., et al, ed. IET Healthcare Technology Letters Journal - Special Issue on Augmented Environments for Computer-Assisted Interventions. Stevenage: IET, 2017. Print. «

**Published Conference Proceedings:** Shontz, S.M., et al. "High-Order Tetrahedral Mesh Generation for Cardiac Simulations." Proceedings of the International Conference on Computational Methods for Coupled Problems in Science and Engineering – Coupled Problems. Ed. M. Papadrakakis, E. Oñate, and B.A. Schrefler. Barcelona, Spain: International Center for Numerical Methods in Engineering (CIMNE), 2017. Print. \*

**National/International Competition Award Winner:** Dangi, S., et al. Rochester Institute of Technology. Best Student Paper Award - MICCAI 2017 Workshop on Augmented Environments for Computer-Assisted Interventions (AE-CAI). Quebec City, Canada, 2017. \*

**Invited Keynote/Presentation:** Linte, C.A. "From Medical Image Computing to Computer-Aided Diagnosis: Challenges and Lessons Learned." Warwick Engineering in Biomedicine Initiative. University of Warwick. Coventry, UK. 23 Nov. 2017. Lecture.

**Journal Editor:** Linte, C.A., ed. IEEE Access. Piscataway: IEEE, 2017. Web. \*

**Journal Editor:** Linte, C.A., ed. Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization. London: Taylor & Francis, 2017. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Stees, M. "High-Order Tetrahedral Mesh Generation for Cardiac Simulations." Proceedings of the Coupled Problems in Science and Engineering VII. Ed. M. Papadrakakis, E. Oñate, and B. Schrefler. Barcelona, Spain: International Center for Numerical Methods in Engineering (CIMNE).

**Peer Reviewed/Juried Poster Presentation:** Krueger, E., et al. "An Interactive, Stereoscopic Virtual Environment For Medical Imaging Visualization, Simulation and Training." Proceedings of the SPIE Medical Imaging: Image Perception, Observer Performance and Technology Assessment. Ed. M. Kupinsky and R. Nishikawa. Bellingham, WA: SPIE.

**Peer Reviewed/Juried Poster Presentation:** Jalalahmadi, G., M. Helguera, and C.A. Linte. "A Numerical Finite Element Model to Study the Biomechanical Behavior of Abdominal Aortic Aneurysm." Proceedings of the SPIE Medical Imaging: Biomedical Applications in Molecular, Structural and Functional Imaging. Ed. B. Gimi and A. Krol. Bellingham, WA: SPIE.

**Invited Keynote/Presentation:** Linte, C.A. "Assessing Cardiac Tissue Function via Action Potential Wave Imaging Using Cardiac Displacement Data." Visualization and Image Processing. ECCOMAS. Porto, Portugal. 19 Oct. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Dangi, S. and C.A. Linte. "A Robust Head CT Image Registration Pipeline for Craniosynostosis Skull Correction Surgery." MICCAI Workshop on Augmented Environments for Computer-assisted Interventions. MICCAI. Quebec City, Canada. 10 Sep. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Dangi, S. and C.A. Linte. "Using Atlas Prior with Graph Cut Techniques for Right Ventricle Segmentation From Cardiac MRI Images." Functional Imaging and Modeling of the Heart (FIMH). Computing in Cardiology. Toronto, Canada. 11 Jun. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Jackson, A. and C.A. Linte. "3D Printing For Orthopedic Applications: From High Resolution Cone Beam CT Images To Life Size Physical Models." SPIE Medical Imaging: Imaging Informatics for Healthcare, Research and Applications. International Society of Optics and Photonics (SPIE). Orlando, FL. 21 Feb. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Zikri, YK Ben and C.A. Linte. "Anatomical Based Registration of Multi-Sector X-Ray Images For Long Limb Panorama Generation." SPIE Medical Imaging: Biomedical Applications in Molecular, Functional and Structural Images. International Society of Optics and Photonics (SPIE). Orlando, FL. 18 Feb. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Dangi, S. and C.A. Linte. "Integrating Atlas and Graph Cut Methods For Right Ventricle Segmentation From Cardiac Cine MRI." SPIE Medical Imaging: Image-guided Procedures, Robotic Interventions and Modeling. International Society of Optics and Photonics (SPIE). Orlando, FL. 19 Feb. 2017. Conference Presentation.

## CHEMICAL ENGINEERING

### Doreen D Edwards, Professor

**Journal Paper:** Cahill, James T., et al. "Effect of Current Diffusivity in Metal Hexaborides: A Spark Plasma Sintering Study." ACS Appl. Mater. Interfaces 9. 42 (2017): 37357-37363. Print. \*

**Journal Paper:** Gao, Peng, et al. "The Critical Role of Point Defects In Improving the Specific Capacitance of  $\delta$ -MnO<sub>2</sub> Nanosheets." Nat. Commun. 8. (2017): 1-10. Web. £

### Anju R Gupta, Assistant Professor

**Journal Paper:** Jaikumar, A., S.G. Kandlikar, and A. Gupta. "Pool Boiling Enhancement through Graphene and Graphene Oxide Coatings." Heat Transfer Engineering 38. (2017): 1-13. Print. £

**Journal Paper:** Gupta, Anju, et al. "Introducing Chemical Reactions Concepts in K-6 Through a Hands-on Food Spherification and Spaghetti-fication Experiment." JSTEM: Innovations and Research 18. (2017): 6-10. Print. «

### Brian Landi, Associate Professor

**Journal Paper:** Crompton, Kyle R., et al. "Lithium Rich Cathode/Graphite Anode Combination for Lithium Ion Cells with High Tolerance to Near Zero Volt Storage." Journal of Power Sources 343. (2017): 109-118. Print. \*

**Journal Paper:** Rossi, Jamie E., et al. "Removal of Sodium Dodecyl Sulfate Surfactant From Aqueous Dispersions of Single-Wall Carbon Nanotubes." Journal of Colloid and Interface Science 495. (2017): 140-148. Print. \*

**Journal Paper:** Robinson, J.T., et al. "Graphene Strained by Defects." ACS Nano 11. 5 (2017): 4745-4752. Print. \*

**Journal Paper:** Cox, Nate D., et al. "Modification of Silver/Single-Wall Carbon Nanotube Electrical Contact Interfaces via Ion Irradiation." ACS Appl. Mater. Interfaces 9. 8 (2017): 7406-7411. Print. \*

**Journal Paper:** Cress, Cory D., et al. "Carbon Nanotube Wires with Continuous Current Rating Exceeding 20 Amperes." Journal of Applied Physics 122. (2017): 1-8. Print. \*

**Journal Paper:** Lee, Y.B., et al. "Synthesis and Property of Polyimines Containing 2,2,4,4-Tetramethyl-1,3-Cyclobutadiimine Moiety." Macromol. Res 25. 6 (2017): 578-583. Print. \*

**Journal Paper:** Crompton, Kyle R., et al. "Enhanced Overdischarge Stability of LiCoO<sub>2</sub> by Solution Deposited AlPO<sub>4</sub> Coating." J. Electrochemical Society 164. 13 (2017): A3214-A3219. Print. \*

### Poornima Padmanabhan

**Journal Paper:** Sun, Yangyang, et al. "Molecular Dynamics Simulation of Thermotropic Bolaamphiphiles with A Swallow-Tail Lateral Chain: Formation of Cubic Network Phases." *Soft Matter* 13. (2017): 8542-8555. Web. \*

### Reginald E Rogers, Assistant Professor

**Journal Paper:** Cresce, Arthur V., et al. "Solvation Behavior of Carbonate-Based Electrolytes in Sodium Ion Batteries." *Physical Chemistry Chemical Physics* 19. (2017): 574-586. Web. \*

**Journal Paper:** Rocha, John-David R., et al. "Emerging Investigators Series: Highly Effective Adsorption of Organic Aromatic Molecules by Electronically Sorted Single-Walled Carbon Nanotubes." *Environmental Science: Water Research & Technology* 3. (2017): 203-212. Print. \*

**Invited Keynote/Presentation:** Rogers, Reginald E. "Nanomaterials for Next Generation Applications: How Carbon Nanomaterials Can Shape Energy and Separation Applications." Cleveland State University Seminar Series. Cleveland State University. Cleveland, OH. 9 Mar. 2017. Lecture.

**Invited Keynote/Presentation:** Rogers, Reginald E. "New Opportunities in Separation Engineering Using Carbon Nanomaterials." Oregon State Graduate Seminar Series. Oregon State University & eChemion. Corvallis, OR. 1 Jun. 2017. Lecture.

**Invited Keynote/Presentation:** Rogers, Reginald E. "Clean Water: How Carbon Nanotubes Could Help Accomplish the Grand Challenge." ITDL-205 – Grand Challenges: Clean Water. Rochester Institute of Technology. Rochester, NY. 31 Aug. 2017. Lecture.

**Invited Keynote/Presentation:** Rogers, Reginald E. "Using Carbon Nanomaterials for Selective Adsorption of Contaminants from Water Systems." SUNY-Geneseo Chemistry Seminar Series. State University of New York at Geneseo. Geneseo, NY. 13 Oct. 2017. Lecture.

**Invited Keynote/Presentation:** Rogers, Reginald E. "New Opportunities in Separation Engineering Using Carbon Nanomaterials." Amgen Seminar Series. University of Rhode Island. Kingston, RI. 30 Nov. 2017. Lecture.

### National/International Competition Award

**Winner:** Rogers, Reginald E. National Organization for the Professional Advancement of Black Chemists and Chemical Engineers. Henry C. McBay Outstanding Teacher Award. Minneapolis, MN, 2017.

**Invited Keynote/Presentation:** Rogers, Reginald E. "STEM Education: Bridging the Gap Between the Classroom and Research Laboratory." NOBCCHE National Meeting. National Organization for the Professional Advancement of Black Chemists and Chemical Engineers. Minneapolis, MN. 2 Nov. 2017. Lecture.

### Steven Weinstein, Professor

**Journal Paper:** Barlow, Nate S., Steven J. Weinstein, and Joshua A. Faber. "An Asymptotically Consistent Approximant For the Equatorial Bending Angle of Light Due To Kerr Black Holes." *Classical and Quantum Gravity* 34. (2017): 1-16. Print. £

**Journal Paper:** Ruschak, Kenneth J. and Steven J. Weinstein. "Model For the Outer Cavity of A Dual-Cavity Die with Parameters Determined From Two-Dimensional Finite-Element Analysis." *AIChE Journal* 64. 2 (2017): 1-38. Print. £

### Yasemin D Yilmazel, Assistant Professor

**Journal Paper:** LaBarge, Nicole, et al. "Effect of Pre-Acclimation of Granular Activated Carbon on Microbial Electrolysis Cell Startup and Performance." *Bioelectrochemistry* 113. (2017): 20-25. Print. \*



## COMPUTER ENGINEERING

### Amlan Ganguly, Associate Professor

**Journal Paper:** Shamim, M.S., et al. "A Wireless Interconnection Framework for Seamless Inter and Intra-Chip Communication in Multichip Systems." IEEE Transactions on Computers 66. 3 (2017): 389-402. Web. ~

**Journal Paper:** Mondal, H.K., et al. "Interference-Aware Wireless Network-On-Chip Architecture Using Directional Antennas." IEEE Transactions on Multi-Scale Computing Systems 3. 3 (2017): 193-205. Web. ~

**Journal Paper:** Ganguly, Amlan, Partha Pande, and Benjamin Belzer. "Crosstalk-Aware Channel Coding Schemes for Energy Efficient and Reliable NoC Interconnects." IEEE Transactions on VLSI (TVLSI) 17. 11 (2009): 1626-1639. Print.

**Journal Paper:** Ganguly, Amlan, et al. "Design of Low Power & Reliable Networks on Chip Through Joint Crosstalk Avoidance and Multiple Error Correction Coding." Journal of Electronic Testing: Theory and Applications (JETTA). Special Issue on Defect and Fault Tolerance (2008): 67-81. Print.

**Journal Paper:** Pande, Partha, et al. "Energy Reduction Through Crosstalk Avoidance Coding in Networks on Chip." Journal of System Architecture (JSA) 54. 3-4 (2008): 441-451. Print.

**Published Conference Proceedings:** Narde, R.S., et al. "On-Chip Antennas for Inter-Chip Wireless Interconnections: Challenges and Opportunities." Proceedings of the 12th European Conference on Antennas and Propagation (EuCAP). Ed. EuCAP. London, UK: EuCAP, 2018. Print.

**Published Conference Proceedings:** Ahmed, M.M., et al. "Increasing Interposer Utilization: A Scalable, Energy Efficient and High Bandwidth Multicore-Multichip Integration Solution." Proceedings of the IEEE Green and Sustainable Computing Conference (IGSC). Ed. IEEE. Orlando, FL: IEEE, 2017. Print.

**Published Conference Proceedings:** Dharb, G., et al. "PaSE: A Parallel Speedup Estimation Framework for Network-On-Chip Based Multicore Systems." Proceedings of the IEEE IGSC Workshop on Sustainability in Multi/Manycore Systems. Ed. IEEE. Orlando, FL: IEEE, 2017. Print.

**Published Conference Proceedings:** Saxena, S., et al. "Energy-Efficiency in Interconnection Fabrics for Inter and Intra-Chip Communication Using Graphene-Based THz-Band Antennas." Proceedings of the IEEE IGSC Workshop on Sustainability in Multi/Manycore Systems. Ed. IEEE. Orlando, FL: IEEE, 2017. Print.

**Published Conference Proceedings:** Umamaheswaran, S.G., et al. "Reducing Power Consumption of Datacenter Networks with 60GHz Wireless Server-to-Server Links." Proceedings of the IEEE GLOBECOM. Ed. IEEE. Marina Bay Sands, Singapore: IEEE, 2017. Web.

**Published Conference Proceedings:** Shamim, M.S., et al. "Energy-Efficient Wireless Interconnection Framework for Multichip Systems with In-Package Memory Stacks." Proceedings of the IEEE System-on-Chip Conference (SOCC). Ed. IEEE. Munich, Germany: IEEE, 2017. Print.

**Published Conference Proceedings:** Ganguly, A., et al. "A 0.36pJ/bit, 17Gbps OOK Receiver in 45-nm CMOS for Inter and Intra-Chip Wireless Interconnects." Proceedings of the IEEE System-on-Chip Conference (SOCC). Ed. IEEE. Munich, Germany: IEEE, 2017. Print.

**Published Conference Proceedings:** Mamun, S.A., et al. "An Energy-Efficient, Wireless Top-of-Rack to Top-of-Rack Datacenter Network Using 60GHz Links." Proceedings of the IEEE International Conference on Green Computing and Communication (GreenCom). Ed. IEEE. Exeter, UK: IEEE, 2017. Print.

**Published Conference Proceedings:** Narde, R.S., J. Venkataraman, and A. Ganguly. "Feasibility Study of Transmission Between Wireless Interconnects in Multichip Multicore Systems." Proceedings of the IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting (APS). Ed. IEEE. San Diego, CA: IEEE, 2017. Print.

**Dhiresha Kudithipudi, Associate Professor**

**Journal Paper:** Mnatzaganian, James, Ernest Fokoue, and Dhiresha Kudithipudi. "A Mathematical Formalization of Hierarchical Temporal Memory's Spatial Pooler." *Frontiers in Robotics and AI*. (2017): 1-14. Web. \*

**Raymond W Ptucha, Assistant Professor**

**Journal Paper:** Such, F. Petroski, et al. "Robust Spatial Filtering with Graph Convolutional Neural Networks." *IEEE Journal of Selected Topics in Signal Processing* 11. 6 (2017): 100-113. Print. «

**Journal Paper:** Sah, S., et al. "Video Redaction: A Survey and Comparison of Enabling Technologies." *Journal of Electronic Imaging Special issue on Video Analytics for Public Safet*. (2017): 200-214. Print. «

**Published Conference Proceedings:** Nguyen, T., S. Sah, and R. Ptucha. "Multistream Hierarchical Boundary Network for Video Captioning." Proceedings of the Western NY Image & Signal Processing Workshop. Ed. IEEE. Rochester, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Dhamdhere, R., et al. "Deep Learning for Philately Understanding." Proceedings of the Western NY Image & Signal Processing Workshop. Ed. IEEE. Rochester, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Dominguez, M., M. Daigneau, and R. Ptucha. "Source-Separated Audio Input for Accelerating Convolutional Neural Networks." Proceedings of the Western NY Image & Signal Processing Workshop. Ed. IEEE. Rochester, NY: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Sah, S., et al. "Vector Learning for Cross Domain Representations." Proceedings of the IEEE Applied Imagery Pattern Recognition Workshop (AIPR) Conference. Ed. IEEE. Washington, DC: IEEE, 2017. Print. «

**Published Conference Proceedings:** Kangutkar, R., et al. "ROS Navigation Stack for Smart Indoor Agents." Proceedings of the IEEE Applied Imagery Pattern Recognition Workshop (AIPR) Conference. Ed. IEEE. Washington, DC: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Thomas, T., M. Dominguez, and R. Ptucha. "Deep Independent Audio-Visual Affect Analysis." Proceedings of the Global Conference on Signal and Information Processing. Ed. IEEE. Montreal, Canada: IEEE, 2017. Print. «

**Published Conference Proceedings:** Zhang, C., et al. "Semantic Sentence Embeddings for Paraphrasing and Text Summarization." Proceedings of the Global Conference on Signal and Information Processing. Ed. IEEE. Montreal, Canada: IEEE, 2017. Print. «

**Published Conference Proceedings:** Sah, S., et al. "Temporally Steered Gaussian Attention for Video Understanding." Proceedings of the CVPR Workshop Deep-Vision: Deep Learning in Computer Vision. Ed. IEEE. Honolulu, Hawaii: IEEE, 2017. Web. «

**Published Conference Proceedings:** Sah, S., et al. "Detection without Recognition for Redaction." Proceedings of the CVPR Workshop The First International Workshop on The Bright and Dark Sides of Computer Vision: Challenges and Opportunities for Privacy and Security. Ed. IEEE. Honolulu, Hawaii: IEEE, 2017. Web. «

**Published Conference Proceedings:** Dominguez, M., et al. "Towards 3D Convolutional Neural Networks with Meshes." Proceedings of the International Conference on Image Processing. Ed. IEEE. Beijing, China: IEEE, 2017. Print. «

**Published Conference Proceedings:** Zhang, C., et al. "Batch-Normalized Recurrent Highway Networks." Proceedings of the International Conference on Image Processing. Ed. IEEE. Beijing, China: IEEE, 2017. Print. «

**Published Conference Proceedings:** Calderwood, A., et al. "Understanding the Semantics of Narratives of Interpersonal Violence through Reader Annotations and Physiological Reactions." Proceedings of the Computational Semantics Beyond Events and Roles (SemBEaR). Ed. IEEE. Valencia, Spain: IEEE, 2017. Web. «

**Published Conference Proceedings:** Sah, S., et al. "Semantic Text Summarization of Long Videos." Proceedings of the WACV. Ed. IEEE. Santa Rosa, CA: IEEE, 2017. Web. «

**Published Conference Proceedings:** Bag, S., V. Venkatachalapathy, and R. Ptucha. "Motion Estimation Using Visual Odometry and Deep Learning Localization." Proceedings of the Proceedings of Electronic Imaging: Image Processing Algorithms and Systems. Ed. IS&T. San Francisco, CA: IS&T, 2017. Web. «

**Published Conference Proceedings:** Hssayeni, M., et al. "Distracted Driver Detection: Deep Learning vs Handcrafted Features." Proceedings of the Proceedings of Electronic Imaging: Image Processing Algorithms and Systems. Ed. IS&T. San Francisco, CA: IS&T, 2017. Print. «

**Published Conference Proceedings:** Echefu, S., et al. "Milpet – The Self-driving Wheelchair." Proceedings of the Proceedings of Electronic Imaging: Image Processing Algorithms and Systems. Ed. IS&T. San Francisco, CA: IS&T, 2017. Print. «

**Peer Reviewed/Juried Poster Presentation:** Lauzon, J., et al. "Milpet- Voice Activated Wheelchair." Proceedings of the Effective Access Technology Conference. Ed. IEEE. Rochester, NY: IEEE. \*

**Invited Keynote/Presentation:** Ptucha, R. and A. Gray. "Fundamentals of Deep Learning." Tutorial at Electronic Imaging. IS&T. San Francisco, CA. 1 Feb. 2017. Lecture.

**Provisional Patent:** Such, F. Petroski, R. Ptucha, and P. Hutkowski. "System and Method of Character Recognition Using Fully Convolutional Neural Networks." U.S. Provisional Patent Application 20170000000. 1 Oct. 2017.

**Provisional Patent:** Such, F. Petroski, R. Ptucha, and P. Hutkowski. "System and Method of Character Recognition Using Fully Convolutional Neural Networks with Attention." U.S. Provisional Patent Application 15812681. 14 Nov. 2017.

### Shanchieh Yang, Professor

**Journal Paper:** Moskal, Stephen, Shanchieh Jay Yang, and Michael Kuhl. "Cyber Threat Assessments via Attack Scenario Simulation over Integrated Adversary and Network Models." Journal of Defense Modeling and Simulation 15. 1 (2018): 13-29. Print. \*

**Published Conference Proceedings:** Chan, Neil Wong Hon and Shanchieh Jay Yang. "SCAN-NER: Sequence Clustering of Android Resource Accesses." Proceedings of the IEEE Conference on Dependable and Secure Computing. Ed. IEEE. Taipei, Taiwan: IEEE, 2017. Print. \*

**Published Conference Proceedings:** Cui, Biru, Shanchieh Jay Yang, and Chris Homan. "Modeling Information Sharing Behavior on Q/A Forums." Proceedings of the The Pacific-Asia Conference on Knowledge Discovery and Data Mining (PAKDD). Ed. ACM. Jeju, South Korea: ACM, 2017. Print. «

**Published Conference Proceedings:** Werner, Gordon, Shanchieh Jay Yang, and Katie McConky. "Time Series Forecasting of Cyber Attack Intensity." Proceedings of the The 12th Annual Conference on Cyber and Information Security Research. Ed. ACM. Oak Ridge, TN: ACM, 2017. Print. \*

**Published Conference Proceedings:** Okutan, Ahmet, Shanchieh Jay Yang, and Katie McConky. "Predicting Cyber Attacks with Bayesian Networks Using Unconventional Signals." Proceedings of the The 12th Annual Conference on Cyber and Information Security Research. Ed. ACM. Oak Ridge, TN: ACM, 2017. Print. \*

## ELECTRICAL AND MICROELECTRONIC ENGINEERING

### Eli Saber, Professor

**Published Conference Proceedings:** Liu, Yansong, et al. "Dense Semantic Labeling of Very High Resolution Aerial Imagery and LIDAR with Fully Convolutional Neural Networks and Higher Order CRFs." Proceedings of the CVPR Workshops 2017. Ed. CVPR. Honolulu, Hawaii: CVPR, 2017. Web. \*

**Published Conference Proceedings:** Liu, Yansong, et al. "Semantic Segmentation of Remote Sensing Data Using Gaussian Processes and Higher Order CFRs." Proceedings of the IGARSS 2017. Ed. IEEE. Fort Worth, TX: IEEE, 2017. Web. \*

### Gill Tsouri, Associate Professor

**Journal Paper:** Conroy, T., et al. "Detection of Atrial Fibrillation Using an Earlobe Photoplethysmographic Sensor." Physiological Measurement 38. 10 (2017): 1-14. Print. \*

#### External Scholarly Fellowships/National Review Committee:

7/1/2017 -

6/30/2021

NIH-DHHS (RO1 Program)

Amount: \$764K

\*

### Jayanti Venkataraman, Professor

**Journal Paper:** Tsouri, Gill, Stephanie Zambito, and Jayanti Venkataraman. "On the Benefits of Creeping Wave Antennas in Reducing Interference Between Neighboring Wireless Body Area Networks." IEEE Transactions on Biomedical Circuits and Systems 11. 1 (2017): 153-160. Print. £

## INDUSTRIAL AND SYSTEMS ENGINEERING

### Nasibeh Azadeh Fard, Visiting Professor

**Journal Paper:** Shariatpanahi, Seyed Peyman, et al. "Assessing the Effectiveness of Disease Awareness Programs: Evidence From Google Trends Data For the World Awareness Dates." Telematics and Informatics 34. 7 (2017): 904-913. Web. «

### Denis Cormier, Professor

**Journal Paper:** Mudgal, T., et al. "CMOS Thin-Film Transistors via Xe Flash-Lamp Crystallization of Patterned Amorphous Si." ECS Journal of Solid State Science and Technology 6. 12 (2017): 179-181. Web. \*

**Journal Paper:** Priyadarshini, L., et al. "A Preliminary Study of Cushion Properties of a 3D Printed Thermoplastic Polyurethane Kelvin Foam." Packaging Technology and Science. (2017): 1-8. Web. \*

**Published Conference Proceedings:** Ooi, Y.K., et al. "Integration of 3D Printed Dome-Shaped Lens with InGaN Light-Emitting Diodes with Enhanced Light Extraction Efficiency." Proceedings of the SPIE Photonics West Conference Proceedings. Ed. SPIE. San Francisco, CA: SPIE, 2017. Web.

**Provisional Patent:** Borkholder, David, et al. "Pulse Energy Manipulation of Material Properties." U.S. Provisional Patent Application 62473039. 17 Mar. 2017.

### Marcos Esterman, Associate Professor

**Published Conference Proceedings:** Deo, Devdatta, Marcos Esterman, and Brian Thorn. "A Methodology to Quantify Cumulative Damage Function (CuDF) for Integration Into an Object-Oriented Life Cycle Assessment (LCA)." Proceedings of the Proceedings of IDETC '17: ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences. Ed. ASME. Cleveland, OH: ASME, 2017. Web. £



**Published Conference Proceedings:** Gadre, Shantanu, Marcos Esterman, and Brian Thorn. "Implementation of an Object-Oriented Life Cycle Assessment Framework Using Functional Analysis and Systems Engineering Principles." Proceedings of the Proceedings of IDETC '17: ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences. Ed. ASME. Cleveland, OH: ASME, 2017. Web. £

**Published Conference Proceedings:** Gruszecki, Richard, et al. "Uncovering Hidden Costs in R&D Outsourcing: A Case Study." Proceedings of the Proceedings of IDETC '17: ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences. Ed. ASME. Cleveland, OH: ASME, 2017. Web. £

**Published Conference Proceedings:** Takai, Shun and Marcos Esterman. "Towards a Better Design Team Formation: A Review of Team Effectiveness Models and Possible Measurements of Design-Team Inputs, Processes, and Outputs." Proceedings of the Proceedings of IDETC '17: ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences. Ed. ASME. Cleveland, OH: ASME, 2017. Web. £

#### Michael Kuhl, Professor

**Published Conference Proceedings:** Alexopoulos, Christos, Jeffrey A. Joines, and Michael E. Kuhl. "History of the Winter Simulation Conference: Modern Period (2008–2017)." Proceedings of the 2017 Winter Simulation Conference. Ed. W. K. V. Chan, et al. Piscataway, NJ: IEEE, 2017. Web. £

**Published Conference Proceedings:** Yang, Shanchieh Jay, Aunshul Rege, and Michael E. Kuhl. "Learning, Simulating, and Predicting Adversary Attack Behaviors for Proactive Cyber Defense." Proceedings of the NATO IST-152 Workshop on Intelligent Autonomous Agents for Cyber Defence and Resilience. Ed. Michal Pechoucek and Alexander Kott. Prague, Czech Republic: NATO, 2017. Web. £

**Published Conference Proceedings:** Li, Maojia P. and Michael E. Kuhl. "Design and Simulation Analysis of PDER: A Multiple-Load Automated Guided Vehicle Dispatching Algorithm." Proceedings of the 2017 Winter Simulation Conference. Ed. W. K. V. Chan, et al. Piscataway, NJ: IEEE, 2017. Web. £

**Published Conference Proceedings:** Kuhl, Michael E. "History of Random Variate Generation." Proceedings of the 2017 Winter Simulation Conference. Ed. W.K.V. Chan, et al. Piscataway, NJ: IEEE, 2017. Web. £

**Published Conference Proceedings:** Garg, Siddharth and Michael E. Kuhl. "Comparison of Alternative Hospital Supply Chain Systems Using Simulation." Proceedings of the 2017 Industrial and Systems Engineering Conference. Ed. K. Coperich, E. Cudney, and H. Nembhard. Norcross, GA: Institute of Industrial and Systems Engineers, 2017. Web. £

#### Katie T McConky, Assistant Professor

**Journal Paper:** Amoroso, Briana, Eric Hittinger, and Katie McConky. "Keeping Your Cool - A Multi-Stakeholder Look at AC Sizing." Building and Energy. (2017): 1-47. Print. \*

**Journal Paper:** McConky, Katie, Roger B. Chen, and Glenn R. Gavi. "A Comparison of Motivational and Informational Contexts for Improving Eco-Driving Performance." Transportation Research Part F: Traffic Psychology and Behaviour 52. (2018): 62-74. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Okutan, Ahmet, et al. "Cyber Attack Prediction of Threats from Unconventional Sensors (CAPTURE)." Proceedings of the The ACM Conference on Computer and Communications Security 2017. Ed. Kevin Hamlen and Heng Yin. Dallas, TX: ACM. \*

**Published Conference Proceedings:** Saxena, Harshit and Katie McConky. "Forecasting Models for Short Term Peak Load Prediction." Proceedings of the Institute of Industrial and Systems Engineers Annual Conference. Ed. Katie Cooperich, Elizabeth Cudney, and Harriet Nembhard. Pittsburgh, Pennsylvania: IISE, 2017. Web. «

**Published Conference Proceedings:** Okutan, Ahmet, Shanchieh Jay Yang, and Katie McConky. "Predicting Cyber Attacks With Bayesian Networks Using Unconventional Signals." Proceedings of the CISRC '17 12th Annual Conference on Cyber and Information Security Research. Ed. John Goodall. Oak Ridge, Tennessee: ACM, 2017. Web. \*

**Published Conference Proceedings:** Werner, Gordon, Shanchieh Jay Yang, and Katie McConky. "Time Series Forecasting of Cyber Attack Intensity." Proceedings of the CISRC '17 - 12th Annual Conference on Cyber and Information Security Research. Ed. John Goodall. Oak Ridge, Tennessee: ACM, 2017. Web. \*

**Published Conference Proceedings:** McConky, Katie, et al. "Evaluating the Integration of Operations Tasks While Optimizing ISR Activities." Proceedings of the SPIE Defense + Security. Ed. Tien Pham and Michael A Kolodny. Anaheim, California: SPIE, 2017. Web. £

**Peer Reviewed/Juried Poster Presentation:** Chen, Roger B., Katie McConky, and Glen R. Gavi. "Comparison of Motivational and Informational Contexts for Improving Eco-Driving Performance." Proceedings of the Transportation Research Board Annual Meeting. Ed. Transportation Research Board. Washington, DC: Transportation Research Board. \*

#### Ruben Proano, Associate Professor

**Invited Keynote/Presentation:** Proano, Ruben A. "Improving Vaccine Affordability via and Optimization-Based Coordinated Market." 6th Biennial Workshop on Information Intensive Services. Whitman School of Management, Syracuse University. Syracuse, NY. 22 Sep. 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Proano, Ruben A. "Optimal Bed Assignment In Multi-Occupancy Facilities." INFORMS Annual Conference. Institute of Operations Research and Management Science. Houston, TX. 23 Oct. 2017. Conference Presentation. Δ

**Journal Paper:** Proano, Ruben A. and Akshit Agarwal. "Scheduling Internal Medicine Resident Rotations To Ensure Fairness and Facilitate Continuity of Care." Healthcare Management Science. (2017): 1-14. Web. «

**Journal Paper:** Zhang, Wenchang, et al. "Accelerating the Adoption of Bundled Payment Reimbursement Systems: A Data-Driven Approach Utilizing Claims Data." IISE Transactions on Healthcare Systems Engineering. (2017): 1-13. Web. «

#### Ehsan Rashedi, Assistant Professor

**Journal Paper:** Rashedi, Ehsan and Maury A. Nussbaum. "Quantifying the History Dependency of Muscle Recovery From A Fatiguing Intermittent Task." Journal of Biomechanics 51. (2017): 26-31. Print. «

**Journal Paper:** Esfahani, Mohammad Mokhelespour, et al. "Trunk Motion System (TMS) Using Printed Body Worn Sensor (BWS) via Data Fusion Approach." Sensors 17. 1 (2017): 1-16. Print. «

**Journal Paper:** Alabdulkarim, Saad, et al. "Impact of Task Design on Task Performance and Injury Risk: Case Study of A Simulated Drilling Task." Ergonomics 60. 6 (2017): 851-866. Print. «

**Published Conference Proceedings:** Alemi, Mehdi, et al. "Assessing Slip and Trip Risk when Wearing Upper-Extremity Exoskeleton." Proceedings of the Proceedings of the American Society of Biomechanics Annual Meeting. Ed. ASB. Boulder, CO: ASB, 2017. Web. £

**Published Conference Proceedings:** Esfahani, Mohammad Mokhlespour, et al. "Effects of an Occupational Wearable Assistive Device on Low Back Loads." Proceedings of the Proceedings of the American Society of Biomechanics Annual Meeting. Ed. ASB. Boulder, CO: ASB, 2017. Web. £

#### Rachel T Silvestrini, Associate Professor

**Full Length Book:** Burke, Sarah E. and Rachel T. Silvestrini. The Certified Quality Engineer Handbook. 4th ed. Milwaukee, WI: ASQ Quality Press, 2017. Print.

**Published Conference Proceedings:** Gamm, Brian M. and Rachel T. Silvestrini. "The Analysis of Inline Color Measurements for Package and Labels Printing Using Statistical Process Monitoring Techniques." Proceedings of the TAGA Annual Technical Conference. Ed. Printing Industries of America. Houston, TX: Printing Industries of America, 2017. Web. £

**Journal Paper:** Stone, Brian B., et al. "No-confounding Designs with 24 Runs for 7 - 12 factors." International Journal of Experimental Design and Process Optimization 5. 3 (2017): 151 - 171. Web. «

**Journal Paper:** Stone, Brian B., et al. "No-confounding Designs with 20 Runs - Alternatives to Resolution IV Screening Designs." Quality and Reliability Engineering International 33. 8 (2017): 1861-1872. Web. «

**Journal Paper:** Sagi, Bhargava Rohit and Rachel T. Silvestrini. "Application of Combinatorial Tests in Video Game Testing." Quality Engineering 29. 4 (2017): 745-759. Web. «

#### Brian Thorn, Professor

**Journal Paper:** Tornese, Fabiana, et al. "Investigating the Environmental and Economic Impact of Loading Conditions and Repositioning Strategies for Pallet Pooling Providers." Journal of Cleaner Production 172. (2018): 155-168. Print. \*

**Published Conference Proceedings:** Deo, Devdatta, Marcos Esterman, and Brian K. Thorn. "A Methodology to Quantify Cumulative Damage Function (CuDF) for Integration Into an Object-Oriented Life Cycle Assessment (LCA)." Proceedings of the ASME 2017 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference. Ed. ASME. Cleveland, OH: ASME, 2017. Web. \*

**Published Conference Proceedings:** Gadre, Shantanu, Marcos Esterman, and Brian K. Thorn. "Implementation of an Object-Oriented Life Cycle Assessment Framework Using Functional Analysis and Systems Engineering Principles." Proceedings of the ASME Proceedings | 22nd Design for Manufacturing and the Life Cycle Conference. Ed. ASME. Cleveland, OH: ASME, 2017. Web. \*

## MECHANICAL ENGINEERING

#### Stephen Boedo, Professor

**Journal Paper:** Boedo, S. and S.A. Coots. "Wear Characteristics of Conventional and Squeeze-Film Artificial Hip Joints." ASME Journal of Tribology 139. 3 (2017): 1-10. Print. £

**Journal Paper:** Boedo, S. "Formation of Dynamic Reconfigurable Electric Field Gradients in Thin Lubricant Films through Transient Elastohydrodynamic Squeeze Film Action." Tribology International 116. (2017): 329-337. Print. £

**Full Patent:** Boedo, S. and J.F. Booker. "Artificial Hip Joint Replacement System." U.S. Patent 9,642,709. 9 May 2017.

**Journal Editor:** Boedo, S., ed. ASME Journal of Tribology. New York: American Society of Mechanical Engineers, 2017. Print.

#### Alfonso Fuentes Aznar, Associate Professor

**Invited Article/Publication:** Fuentes-Aznar, Alfonso, Ignacio Gonzalez-Perez, and Harish K. Pasapula. "Computerized Design of Straight Bevel Gears with Optimized Profiles for Forging, Molding, or 3D Printing." Thermal Processing. (2017). Print.

**Invited Paper:** Fuentes-Aznar, Alfonso, Harish K. Pasapula, and Ignacio Gonzalez-Perez. "Ingranaggi Conici a Denti Dritti con Profili Ottimizzati." *Organi di Trasmissione*. (2017). Print.

**Published Conference Proceedings:** Guo, Hong, et al. "Friction and Wear Properties of Halogen-Free and Halogen-Containing Ionic Liquids Used as Neat Lubricants, Lubricant Additives and Thin Lubricant Layers." *Proceedings of the ASME 2017 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. Ed. ASME. Cleveland, OH: American Society of Mechanical Engineers, 2017. Print. ~

**Journal Paper:** Gonzalez-Perez, Ignacio and Alfonso Fuentes-Aznar. "Analytical Determination of Basic Machine-Tool Settings for Generation of Spiral Bevel Gears and Compensation of Errors of Alignment in the Cyclopalloid System." *International Journal of Mechanical Sciences* 120. (2017): 91-104. Print. £

**Journal Paper:** Fuentes-Aznar, Alfonso, Ramon Ruiz-Orzaez, and Ignacio Gonzalez-Perez. "Numerical Approach for Determination of Rough-Cutting Machine-Tool Settings for Fixed-Setting Face-Milled Spiral Bevel Gears." *Mechanism and Machine Theory* 112. (2017): 22-42. Print. £

**Journal Paper:** Gonzalez-Perez, Ignacio and Alfonso Fuentes-Aznar. "Implementation of a Finite Element Model for Stress Analysis of Gear Drives Based on Multi-Point Constraints." *Mechanism and Machine Theory* 117. (2017): 35-47. Print. £

**Book Chapter:** Fuentes-Aznar, Alfonso, Scott Eisele, and Ignacio Gonzalez-Perez. "Computerized Simulation of Manufacturing Errors in Cylindrical Spur Gears and Their Compensation Through Flank Modifications." *Advanced Gear Engineering*. Ed. Veniamin Goldfarb, Evgenii Trubachev, and Natalya Barmina. Switzerland, EU: Springer International Publishing, 2017. 1-26. Print.

**Published Conference Proceedings:** Fuentes-Aznar, Alfonso and Ignacio Gonzalez-Perez. "Gear Tooth Strength Analysis of High Pressure Angle Cylindrical Gears." *Proceedings of the 2017 AGMA Fall Technical Meeting*. Ed. AGMA. Alexandria, VA: American Gear Manufacturers Association, 2017. Print. £

**Published Conference Proceedings:** Gonzalez-Perez, Ignacio and Alfonso Fuentes-Aznar. "Comparison of Cyclo-Paloid and Cyclo-Cut Cutting Methods for Generation of Spiral Bevel Gears." *Proceedings of the ASME 2017 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference*. Ed. ASME. Cleveland, OH: American Society of Mechanical Engineers, 2017. Print. ~

**Peer Reviewed/Juried Poster Presentation:** Artoni, Alessio, et al. "Robust Design of Face-Milled Spiral Bevel Gears for Minimum Noise and Maximum Load Capacity with Stochastic Misalignments." *Proceedings of the ASME 2017 International Design Engineering Technical Conferences & Computers and Information in Engineering Conference*. Ed. ASME. Cleveland, OH: American Society of Mechanical Engineers. ~

#### **Hany Ghoneim, Professor**

**Published Conference Proceedings:** Chokshi, K. and H. Ghoneim. "A Flexible-Matric-Composite Hydraulic Engine Mount." *Proceedings of the The ASME 2017 International Mechanical Engineering Congress and Exposition*. Ed. Stephen D. Tse. Tampa, FL: ASME, 2017. Print. «

**Published Conference Proceedings:** Rutuja, Joshi S. and H. Ghoneim. "Nonlinear Finite Element Analysis of Radial Lip Seals." *Proceedings of the The ASME 2017 International Mechanical Engineering Congress and Exposition*. Ed. Stephen D. Tse. Tampa, FL: ASME, 2017. Print. «

#### **Surendra Gupta, Professor**

**Journal Paper:** Gupta, S.K., et al. "Vacuum UV Photo-Oxidation of Poly(Ethylene Terephthalate)." *Journal of Adhesion Science and Technology* 31. 23 (2017): 2542-2554. Print. ~



### Edward C Hensel Jr., Professor

**Published Conference Proceedings:** Hensel, Edward C and Risa J. Robinson. "Interdisciplinary Research Methods: Enhancing Professional Skills of Engineering Ph.D. Students." Proceedings of the LACCEI International Multi-Conference 2017: "Global Partnerships for Development and Engineering Education". Ed. LACCEI. Boca Raton, FL: LACCEI, 2017. Web. \*

**Journal Paper:** Y, Youn O Lee, et al. "Examining Daily Electronic Cigarette Puff Topography Among Established and Non-established Cigarette Smokers in their Natural Environment." Nicotine Tobacco Research 10. (2017): 1-10. Web. \*

**Published Conference Proceedings:** Strand, A.J., R. Kehn, and E.C. Hensel. "Mixing in Single Phase Systems." Proceedings of the 2017 AIChE Annual Meeting. Ed. AIChE. Minneapolis, MN: AIChE, 2017. Web. \*

### Patricia Iglesias Victoria, Assistant Professor

**Journal Paper:** Saurin, N., et al. "Carbon Nanophases in Ordered Nanofluid Lubricants." Wear. 2017 WOM special issue (2017): 747-755. Web. «

**Journal Paper:** Saurin, N., et al. "Carbon Nanophases in Ordered Nanofluid Lubricants." Wear 376-377. (2017): 747-755. Web. «

**Journal Paper:** E.Cigno, , et al. "Lubricating Ability of Two Phosphonium-Based Ionic Liquids as Additives of a Bio-Oil for use in Wind Turbines Gearboxes." Wear 376-377. (2017): 747-755. Web. «

**Published Conference Proceedings:** A.Tock, , et al. "Wear Performance of New Textured Surfaces Created by Modulation Machining." Proceedings of the ASME 2017 International Mechanical Engineering Congress and Exposition IMECE2017. Ed. ASME. Tampa, FL: ASME, 2017. Web. «

**Published Conference Proceedings:** Guo, H., et al. "Wear Performance of New Textured Surfaces Created By Modulation Machining." Proceedings of the Power Transmission and Gear Conference, ASME 2017 IDETC/CIE. Ed. ASME. Cleveland, OH: ASME, 2017. Web. «

**Published Conference Proceedings:** Kothuru, A., et al. "Wear Performance of New Textured Surfaces Created By Modulation Machining." Proceedings of the Power Transmission and Gear Conference, ASME 2017 IDETC/CIE. Ed. ASME. Cleveland, OH: ASME, 2017. Web. «

**Peer Reviewed/Juried Poster Presentation:** Liu, R., et al. "Influence of Micro-Scale Textures on the Lubrication Regime of Frictional Surfaces." Proceedings of the 21th International Conference on Wear of Materials. Ed. WOM 2017. Long Beach, CA: WOM. ~

**Peer Reviewed/Juried Poster Presentation:** Guo, H. and P. Iglesias. "Investigation of Ionic Liquids as Neat Lubricants, Additives of Lubricants and Thin-Film Lubricant Layers." Proceedings of the 21th International Conference on Wear of Materials. Ed. WOM 2017. Long Beach, CA: WOM. ~

### Satish Kandlikar, Professor

**Journal Paper:** Perez-Raya, I. and S.G. Kandlikar. "Discretization and Implementation of a Sharp Interface Model for Interfacial Heat and Mass Transfer During Bubble Growth." Int. J. Heat Mass Transf. 116 (2018): 30-49. Print. \*

**Journal Paper:** Perez-Raya, I. and S.G. Kandlikar. "Discretization and implementation of a sharp interface model for interfacial heat and mass transfer during bubble growth." Int. J. Heat Mass Transf. 116 (2018): 30-49. Web. \*

**Journal Paper:** Recinella, A. and S.G. Kandlikar. "Enhanced Flow Boiling Using Radial Open Microchannels With Manifold and Offset Strip Fins." J. Heat Transf. 140. (2017): 111502-111502-7. Print. \*

**Journal Paper:** Raghupath, P.A. and S.G. Kandlikar. "Effect of Thermophysical Properties of the Heater Substrate on Critical Heat Flux in Pool Boiling." J. Heat Transf. 139. (2017): 111502-111502-7. Print. \*

**Journal Paper:** Raghupathi, P.A. and S.G. Kandlikar. "Characterization of Pool Boiling of Seawater and Regulation of Crystallization Fouling by Physical Aberration." *Heat Transf. Eng.* 38. (2017): 1296-1304. Print. \*

**Journal Paper:** Raghupathi, P.A. and S.G. Kandlikar,. "Pool boiling enhancement through contact line augmentation." *Appl. Phys. Lett* 110. (2017): 204101. Print. \*

**Journal Paper:** Raghupathi, P.A., et al. "Bubble induced flow field modulation for pool boiling enhancement over a tubular surface." *Appl. Phys. Lett* 110. (2017): 251603. Print. \*

**Journal Paper:** Panse, S.S. and S.G. Kandlikar. "A thermosiphon loop for high heat flux removal using flow boiling of ethanol in OMM with tape." *Int. J. Heat Mass Transf* 106. (2017): 546-557. Print. \*

**Journal Paper:** Kandlikar, S.G. "Enhanced Macroconvection Mechanism With Separate Liquid-Vapor Pathways to Improve Pool Boiling Performance." *J. Heat Transf.* 139. (2017): 051501-051501-11. Print. \*

**Journal Paper:** Kandlikar, S.G., et al. "Infrared imaging technology for breast cancer detection – Current status, protocols and new directions." *Int. J. Heat Mass Transf* 108. (2017): 2303-2320. Print. \*

**Journal Paper:** Kandlikar, S.G. and A. Ganguly,. "Fundamentals of Heat Dissipation in 3D IC Packaging, in: 3D Microelectron. Packag." Springer. (2017): 245-260. Print. \*

**Journal Paper:** Kandlikar, S. "Boiling and Two-Phase Flow in Narrow Channels." *Handbook of Thermal Science and Engineering.* (2017): 1-22. Print. \*

**Journal Paper:** Kandlikar, S., et al. "Special Issue From International Workshop on New Understanding in Nanoscale/Microscale Phase Change Phenomena Held in Trondheim." *J. Heat Transf.* 139. (2017): 110301-110301-1. Print. \*

**Journal Paper:** Jaikumar, A., et al. "Microscale Morphology Effects of Copper-Graphene Oxide Coatings on Pool Boiling Characteristics." *J. Heat Transf.* 139. (2017): 111509-111509-11. Print. \*

**Journal Paper:** Jaikumar, A. and S.G. Kandlikar. "Coupled Motion of Contact Line on Nanoscale Chemically Heterogeneous Surfaces for Improved Bubble Dynamics in Boiling." *Sci. Rep* 7. (2017): 15691. Print. \*

**Journal Paper:** Jaikumar, A., S.G. Kandlikar, and A. Gupta,. "Pool Boiling Enhancement through Graphene and Graphene Oxide Coatings." *Heat Transf. Eng.* 38. (2017): 1274-1284. Print. \*

**Journal Paper:** Jaikumar, A., et al. "Scale effects of graphene and graphene oxide coatings on pool boiling enhancement mechanisms." *Int. J. Heat Mass Transf* 109. (2017): 357-366. Print. \*

**Journal Paper:** Jaikumar, A. and S.G. Kandlikar. "Pool boiling inversion through bubble induced macroconvection." *Appl. Phys. Lett* 110. (2017): 94107. Print. \*

**Journal Paper:** Gupta, A., et al. "A Multiscale Morphological Insight into Graphene Based Coatings for Pool Boiling Applications." *Heat Transf. Eng.* (2017): 0-13. Print. \*

**Journal Paper:** Emery, T.S. and S.G. Kandlikar,. "Pool boiling with four non-ozone depleting refrigerants and comparison with previously established correlations." *Exp. Therm. Fluid Sci.* 85. (2017): 132-139. Print. \*

**Invited Keynote/Presentation:** S.G., Kandlikar,. "Mentoring Perspective." Workshop Presentation. Norwegian University of Science and Technology. Trondheim, Norway. 20 Jun. 2017. Conference Presentation.

**Invited Keynote/Presentation:** S.G., Kandlikar,. "Boiling." Workshop Presentation,. Norwegian University of Science and Technology. Trondheim, Norway. 21 Jun. 2017. Conference Presentation.

**Invited Keynote/Presentation:** S.G. Kandlikar,. "New Understanding in Pool Boiling Mechanism." 28th International Symposium on Transport Phenomena,. International Symposium on Transport Phenomena. Peradeniya,. Sri Lanka. 22 Sep. 2017. Keynote Speech.

**Invited Keynote/Presentation:** S.G., Kandlikar,. "New understanding of the heat transfer mechanisms during pool and flow boiling and its application in boiling enhancement." Graduate Seminar. University of California. Meced, CA. 27 Oct. 2017. Guest Lecture.

**Invited Keynote/Presentation:** S.G., Kandlikar,. "New Understanding of the Heat Transfer Mechanisms During Pool and Flow Boiling,." Graduate Seminar. University of Minnesota. Minneapolis, MN. 11 Dec. 2017. Guest Lecture.

**Published Conference Proceedings:** A., Jaikumar and Kandlikar SG. "Pool Boiling Inversion on Surfaces With Separate Liquid-Vapor Pathways and Enhanced Macroconvection Mechanisms." Proceedings of the International Conference on Nanochannels, Microchannels, and Minichannels. Ed. ASME. Cambridge, MA: n.p., 2017. Print. \*

**Published Conference Proceedings:** TS., Emery and Kandlikar SG. "Enhanced Pool Boiling With HFE7000 Over Selectively Sintered Microchannels." Proceedings of the 15th International Conference on Nanochannels, Microchannels, and Minichannels. Ed. ASME. Cambridge, MA: n.p., 2017. Print.

**Published Conference Proceedings:** A, Chauhan and Kandlikar SG. "Effect of Liquid Volume on Thermosiphon Loop Performance Using Open Microchannels Manifold for CPU Cooling in Data Center." Proceedings of the ASME 2017 15th International Conference on Nanochannels, Microchannels, and Minichannels. Ed. ASME. Cambridge, MA: n.p., 2017. Print.

**Published Conference Proceedings:** Emery, T. S., et al. "CPU cooling with a thermosiphon loop with tapered manifold (OMM),". Proceedings of the 2017 16th IEEE Intersociety Conference on Thermal and Thermomechanical Phenomena in Electronic Systems (ITherm),. Ed. ITherm. Orlando, FL: n.p., 2017. Print.

**Published Conference Proceedings:** Rishi, A.M., A. Gupta., and S.G. Kandlikar. "Electrodeposition of Selective Anions with Non-Electrolyte Bath for Enhancing the Pool Boiling Performance." Proceedings of the 28th International Symposium on Transport Phenomena. Ed. 28th International Symposium on Transport Phenomena. Peradeniya, Sri Lanka: n.p., 2017. Print.

**Published Conference Proceedings:** P.Raghupathi., and S.G. Kandlikar. "Effect of Evaporation Momentum Force on Bubble Departure Trajectory." Proceedings of the 28th International Symposium on Transport Phenomena. Ed. International Symposium on Transport Phenomena. Peradeniya,. Sri Lanka: n.p., 2017. Print.

**Published Conference Proceedings:** Jaikumar, A. and S.G. Kandlikar. "Microcavity Augmented Pool Boiling Surfaces." Proceedings of the 28th International Symposium on Transport Phenomena. Ed. International Symposium on Transport Phenomena. Peradeniya, Sri Lanka,; n.p., 2017. Print.

#### Alexander S Liberson, Associate Professor

**Journal Paper:** Liberson, Alexander S., Yashar Vahedein, and David A. Borkholder. "Variational Approach of Constructing Reduced Fluid-Structure Interaction Models in Bifurcated Networks." Proceedings of the 2nd World Congress on Momentum, Heat and Mass Transfer, Barselona. 103 (2017): 1031-1039. Web. \*

**Journal Paper:** Liberson, Alexander S. and Steven H. Hesler. "A Unified CFD Based Approach to a Variety of Condensation Processes in a Viscous Turbulent Wet Steam Flow." International journal of Modern Nonlinear Theory and Applications. (2017): 85-96. Print. \*

**Journal Paper:** Liberson, Alexander S. "Microscale: Wave Propagations Modeling Using a High Order Gradient Continuum Theory." Dekker Encyclopedia of Nanoscience and Nanotechnology, 3d ed. (2017): 1-6. Print. \*

**Journal Paper:** Liberson, Alexander S., Yashar Seyed Vahedein, and David A. Borkholder. "Application of Variational Principle to Form Reduced Fluid-Structure Interaction Models in Bifurcated Networks." Journal of Fluid Flow, Heat and Mass Transfer 4. (2017): 1-9. Print. \*

**Journal Paper:** Liberson, Alexander S., et al. "Fluid Structure Interaction Model Analysis of Cerebrospinal Fluid Circulation in Patients With Continuous Flow Left Ventricular Assist Device." Int J Artif Organs. (2017): 1-6. Web. \*

#### **Risa Robinson, Professor**

**Journal Paper:** Robinson, R., et al. "Assessing Airflow Sensitivity to Healthy and Diseased Lung Conditions in a Computational Fluid Dynamics Model Validated In Vitro." Journal of Biomechanical Engineering. (2018): 1-49. Print. \*

**Published Conference Proceedings:** Robinson, R., et al. "Comparison of Methods For the Capture of E-Cigarette Emissions For the Determination of Constituents Using Gas Chromatography-Mass Spectrometry." Proceedings of the 253rd National Meeting of the American Chemical Society. Ed. R. Robinson. San Francisco, CA: ACS, 2017. Print. \*

**Published Conference Proceedings:** Robinson, R., et al. ", Computational Assessment of Airflow Sensitivity to Healthy and Diseased Lung Conditions." Proceedings of the Biomedical Engr Society Annual Meeting. Ed. R. Robinson. Phoenix, AZ: BMES, 2017. Print. \*

**Published Conference Proceedings:** Robinson, R. and Edward Hensel. "Interdisciplinary Research Methods: Enhancing Professional Skills of Engineering,." Proceedings of the 15th LACCEI International Multi-Conference for Engineering, Education, and Technology. Ed. R. Robinson. Boca Raton, FL: LACCEI, 2017. Print. \*

**Journal Paper:** Robinson, R., et al. "Inflammatory Response by Different E-Cigarette Flavoring Chemicals Identified by GC-MS in E-Liquids and E-Vapors on Human Lung Epithelial Cells and Fibroblasts." Applied in Vitro Toxicology. (2017): 28-40. Print. \*

**Journal Paper:** Lee, Youn Ok, et al. "Examining Daily Electronic Cigarette Puff Topography Among Established and Non-established Cigarette Smokers in their Natural Environment." Nicotine and Tobacco Research 10. (2017): 1-10. Web. \*

## **MICROSYSTEMS ENGINEERING**

#### **Mustafa A Abushagur, Professor**

**Journal Editor:** Abushagur, Mustafa A.G., ed. Optics & Laser Technology. Atlanta: ELSEVIER, 2017. Print. \*

**Journal Editor:** Abushagur, Mustafa A.G., ed. Advances in Optical Technologies. London: HINDAWI, 2017. Web. \*

#### **Parsian Katal Mohseni, Assistant Professor**

**Journal Paper:** Kim, J.D., et al. "Scaling the Aspect Ratio of Nanoscale Closely Packed Silicon Vias by MacEtch: Kinetics of Carrier Generation and Mass Transport." Advanced Functional Materials 27. (2017): 1-8. Print. \*

**Journal Paper:** Choi, W., et al. "Direct Electrical Probing of Period Modulation of Zinc-Dopant Distributions in Planar Gallium Arsenide Nanowires." ACS Nano 11. (2017): 1530-1539. Print. \*

**Journal Paper:** Wilhelm, T.S., et al. "Fabrication of Suspended III-V Nanofoils by Inverse Metal-Assisted Chemical Etching of InGaP/GaAs Heteroepitaxial Films." ACS Applied Materials & Interfaces 10. (2018): 2058-2066. Print. \*



**Published Conference Proceedings:** Baboli, M.A., et al. "Selective-Area Van Der Waals Epitaxy of InAsP Nanowires on Two-Dimensional Nanosheets: III-V Integration on Graphene, h-BN, and MoS<sub>2</sub>." Proceedings of the Nanowire Week. Ed. K.A. Dick. Lund, Scania: Nanowire Week, 2017. Web.

**Published Conference Proceedings:** Mohseni, P.K. "Technology Parameter Space Mapping of InAsPNW Arrays on Graphene, h-BN, and MoS<sub>2</sub>Toward Selective-Area van der Waals Epitaxy." Proceedings of the Electronic Materials Conference. Ed. S. Mohny. South Bend, IN: EMC, 2017. Web.

#### **Stefan F Preble, Associate Professor**

**Journal Paper:** Tison, C.C., et al. "The Path to Increasing the Heralding Efficiency of Integrated Photon Sources." Optics Express 25. (2017): 1-9. Web. \*

**Journal Paper:** Vernon, Z., et al. "Truly Unentangled Photon Pairs Without Spectral Filtering." Optics Letters 42. (2017): 1-5. Print. \*

**Journal Paper:** Wang, Z., et al. "Passive Mode-Locked InAs Quantum Dot Lasers on Silicon Substrate By Pd-GaAs Wafer Bonding." Applied Physics Letters 110. (2017): 1-5. Print. \*

**Journal Paper:** Steidle, J.A., et al. "Measurement of Quantum Interference in a Silicon Ring-Resonator Photon Source." Journal of Visualized Experiments 122. (2017): 1-8. Web. \*

**Published Conference Proceedings:** Lu, Tsung-Ju, et al. "Wide-Bandgap AlN Photonics Platform for Visible to UV Spectrum Quantum Information Processing." Proceedings of the MRS Fall Meeting. Ed. MRS. Boston, MA: MRS, 2017. Web. \*

**Published Conference Proceedings:** Fanto, M.L., et al. "Integrated Photon Sources for Quantum Information Science Applications." Proceedings of the SPIE Security + Defense. Ed. SPIE. Warsaw, Poland: SPIE, 2017. Print. \*

**Published Conference Proceedings:** Fanto, M.L. and Stefan F. Preble. "Integrated Photon Sources for Quantum Information Science." Proceedings of the IEEE Photonics Summer Topical. Ed. IEEE. San Juan, Puerto Rico: IEEE, 2017. Web. \*

**Published Conference Proceedings:** Vernon, Z., et al. "An Integrated Source of Truly Unentangled Photons for Efficient Single Photon Heralding." Proceedings of the Conference on Lasers and Electro-Optics (CLEO). Ed. OSA. San Jose, CA: OSA, 2017. Web. \*

**Published Conference Proceedings:** Lakshminarayananamurthy, S., D. Ewbank, and S.F. Preble. "Silicon Photonic Wafer Fabrication for Education." Proceedings of the Advanced Semiconductor Manufacturing Conference (ASMC). Ed. ASM. Saratoga Springs, NY: ASM, 2017. Web. \*

**Invited Keynote/Presentation:** Preble, Stefan F. "AlN Integrated Quantum Photonics Circuits." IEEE Summer Topicals Meeting. IEEE. San Juan, Puerto Rico. 10 Jul. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Preble, Stefan F. "PICs: Fabless Silicon Photonics Design Flow." AIM Photonics Summer Academy. MIT. Boston, MA. 26 Jul. 2017. Lecture. ≠

**Journal Editor:** Preble, Stefan F., ed. Optical Engineering. USA: SPIE, 2017. Web. \*

**Journal Editor:** Preble, Stefan F., ed. SPIE Spotlights. USA: SPIE, 2017. Print. \*

## ACADEMIC AFFAIRS

### Kathryn Schmitz, Associate Professor

**Journal Editor:** Schmitz, Kathryn L., ed. The Volta Review. Washington, DC: Alexander Graham Bell Association for the Deaf, 2017. Web. «

## AMERICAN SIGN LANGUAGE AND INTERPRETING EDUCATION

### Robyn D Dean, Assistant Professor

**Invited Keynote/Presentation:** Dean, Robyn K. "Demand Control Schema and Supervision in Educational Interpreters." Arizona School for the Deaf and Blind. Arizona School for the Deaf and Blind. Phoenix, AZ. 20 Jan. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Dean, Robyn K. "You Can't Measure A Room With the Color Blue: What the INTERPRETING Profession Gets Wrong About Practical Ethics and How to Make It Right." German Interpreting Association. German Interpreting Association. Zwickau, Germany. 13 May 2017. Keynote Speech.

**Invited Keynote/Presentation:** Dean, Robyn K. and Rachel St. John. "Medical Professionals & Interpreters: Hitting The (Ethical) Mark." Association of Medical Professionals with Hearing Loss. Association of Medical Professionals with Hearing Loss. Rochester, NY. 11 Jun. 2017. Keynote Speech.

**Invited Keynote/Presentation:** Dean, Robyn K. "Reflective Practice Techniques for Signed Language Interpreters in the EU." EUMASLI: Magdeburg Block Seminar. European Union Master's of Signed Language Interpreting. Magdeburg, Germany. 18 Sep. 2017. Guest Lecture.

**Uninvited Presentations:** Dean, Robyn K. "Les Miserables and Rest's Three Moral Schemas." Ethics Across the Curriculum. Society for Ethics Across the Curriculum. Grand Rapids, MI. 5 Oct. 2017. Conference Presentation. «

**Uninvited Presentations:** Dean, Robyn K. and Andrea Sinden. "Exploring Accessibility and Transcreation Between Written English and ASL." Mt. Aloysius Student-Run Interpreter Conference. Pennsylvania Registry of Interpreters for the Deaf. Mt Aloysius, PA. 8 Mar. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Dean, Robyn K. "Justice Reasoning: How Our Ethical Discourse Counters Our Ethical Claims." Oregon Registry of Interpreters for the Deaf. Oregon Registry of Interpreters for the Deaf. Monmouth, OR. 20 Apr. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Dean, Robyn K. "Being Seasoned: A Conversation on Finding Meaning in the "Second Half" of our Careers." Mental Health Interpreter Training Alumni Sessions. Alabama Department of Mental Health. Montgomery, AL. 3 Aug. 2017. Guest Lecture.

**Uninvited Presentations:** Dean, Robyn K. "Moral Exemplars and Their Influence on Ethical Thinking of Interpreting Students." Ethics Across the Curriculum. Society for Ethics Across the Curriculum. Grand Rapids, MI. 5 Oct. 2017. Conference Presentation. «

**Invited Keynote/Presentation:** Dean, Robyn K. "Re-imagining the Career Ladder of an Interpreter." Interprettek: Director's Meeting. Interprettek. Rome, NY. 7 Nov. 2017. Guest Lecture.

**Manuscripts Submitted for Publication:** Dean, Robyn K. "English-Dominant Presenters Opting for ASL: Is the Assumption of Access Correct?" 15 May 2017. TS - typescript (typed). «

#### Joseph C Hill, Assistant Professor

**Published Review:** Hill, Joseph. "Book Review." Rev. of Deaf Culture: Exploring Deaf Communities in the United States, ed. Ceil Lucas. Sign Language Studies 11 Oct. 2017: 162-165. Print.

**Published Conference Proceedings:** Bayley, Robert and Joseph Hill. "Attitudes Towards Black American Sign Language." Proceedings of the University of Pennsylvania Working Papers, New Ways of Analyzing Variation (NWAV 45), Vancouver BC. Ed. Betsy Sneller. Philadelphia, PA: University of Pennsylvania, 2017. Web. Δ

**Journal Paper:** Hill, Joseph. "The Importance of the Sociohistorical Context In Sociolinguistics: The Case of Black ASL." Sign Language Studies 18. 1 (2017): 41-57. Print. £

**Published Conference Proceedings:** Coyne, Dave and Joseph Hill. "Infusing Social Justice into Interpreting Education." Proceedings of the CIT 2016 Conference Proceedings. Ed. Miako Rankin, Mary Thumann, and Risa Shaw. Fremont, CA: Conference of Interpreter Trainers, 2017. Web.

#### Eric Kunsman, Lecturer

**Invited Keynote/Presentation:** Kunsman, Eric. "Wide-Format Inkjet Printing Technologies." Digital Printing Boot Camp for Ariva Paper. Printing Applications Lab at RIT. Rochester, New York. 16 Nov. 2017. Lecture. ~

#### Kim Kurz, Associate Professor

**Book Chapter:** Bochner, Joseph, et al. "Method and Materials For A Computer-Based Test of Sign Language Ability: The American Sign Language Discrimination Test." "New Research on Sign Language." Ed. Reynard Louis. Hauppauge, NY: Nova Science Publishers, 2017. 22. Print. \*

**Uninvited Presentations:** Kurz, Kim and Christopher Kurz. "Sign Language Assessment: Applying it to Filipino Sign Language." College of St. Benilde. College of St. Benilde. Manila, Philippines. 10 Jan. 2017. Lecture. ≠

**Uninvited Presentations:** Kurz, Christopher and Kim Kurz. "Academic Languages in Content Areas - Contextualizing Literacy: New Possibilities, New Directions." College of St. Benilde. College of St. Benilde. Manila, Philippines. 15 Jan. 2017. Lecture. ≠

**Invited Keynote/Presentation:** Kurz, Kim and Christopher Kurz. "Educational Interpreter's Roles & Deaf Children's Comprehension of Direct and Interpreted Education." La Salle Green Hills. La Salle Green Hills. Manila, Philippines. 15 Jan. 2017. Lecture. ≠

**Invited Keynote/Presentation:** Kurz, Christopher and Kim Kurz. "Supporting Deaf students: Effective Strategies in Promoting Academic Languages in Content Areas." La Salle Green Hills. La Salle Green Hills. Manila, Philippines. 16 Jan. 2017. Lecture. ≠

**Peer Reviewed/Juried Poster Presentation:** Kurz, Kim and Joseph Hill. "The "Heart" of Interpretation from Deaf Perspective." Proceedings of the International Interpretation and Translation Research Symposium; Washington, DC. Washington, DC: n.p.. \*

**Uninvited Presentations:** Hill, Joseph and Kim Kurz. "Deaf Perspectives on Interpreters' Ownership and Language Attitudes." International Interpretation and Translation Research Symposium. Gallaudet University. Washington, DC. 28 Mar. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Kurz, Kim. "Applying National Standards to ASL Curriculum." Maryland American Sign Language Teachers Association Conference. Maryland American Sign Language Teachers Association. Baltimore, Maryland. 8 Aug. 2017. Lecture. ≠

# Featured Faculty

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**Dr. Dye's research program looks at how the experience of being deaf and using a sign language changes the way in which the brain processes visual information.**

His PhD in Psychology was awarded in 2001 by the University of Southampton, where he conducted psycholinguistic research on British Sign Language. Moving to the United States in 2002, Dr. Dye completed a postdoctoral fellowship in Brain and Cognitive Sciences at The University of Rochester and then spent six years on the faculty at the University of Illinois before moving to RIT/NTID in 2015.

Since moving to the US, Dr. Dye's work has focused on whether being born deaf means that you see better. His "deaf x lab" conducts research on brain reorganization in the face of altered sensory input, asking what happens to the brain areas and neural pathways associated with visual and multi-sensory processing when auditory input is missing. Most of his research looks at selective visual attention in deaf individuals, asking whether their greater reliance upon visual information means that their perceptual and cognitive systems are better able to select and process visual information. The lab's working hypothesis is that this is indeed the case, especially when operating in environments where one would typically benefit from the integration of auditory and visual information, such as when monitoring peripheral vision. His research program now also includes temporal aspects of visual attention in deaf children, with an ongoing national longitudinal study funded by the National Science Foundation and a large scale study of sequence processing and neuroplasticity in deaf and hard-of-hearing college students funded by NIH.

The long-term goal of Dr. Dye's research program is to inform effective intervention and educational approaches for deaf and hard-of-hearing children that play to their strengths and promote their linguistic, cognitive, and social health.

## **Matt Dye**

Senior Lecturer

RIT National Technical Institute For the Deaf





**Invited Keynote/Presentation:** Kurz, Kim. "Comparing Direct Communication and Interpreted Education." National Educational Interpreter National Conference. National Association of Educational Interpreters. Greeley, CO. 15 Jun. 2017. Lecture. ≠

**Uninvited Presentations:** Kurz, Kim, Leslie Greer, and Carole Lazorisak. "Facing Roadblocks? What is Preventing You from Advancing Your Deaf Interpreting Skills?" Deaf Interpreting Conference II. National Deaf Interpreting Association. Philadelphia, PA. 28 Jun. 2017. Lecture. \*

**Uninvited Presentations:** Greer, Leslie, et al. "Delve Into Embrace and Empowerment: What Can CIT Do For You?" Deaf Interpreter Conference II. National Deaf Interpreter Association. Philadelphia, PA. 29 Jun. 2017. Lecture. \*

#### Jason D Listman, Assistant Professor

**Uninvited Presentations:** Listman, Jason D. "Use of English in ASL Classroom." American Teachers Association. American Teachers Association. Salt Lake City, UT. 1 Jul. 2017. Conference Presentation. \*

**Book Chapter:** Listman, Jason D. and Kalyna Sytch. "Use of Written English in ASL Classroom." "New Research on Sign Language." Ed. Reynard Louis. Hauppauge, NY: Nova Publisher, 2017. 105-122. Print. ~

**Manuscripts Submitted for Publication:** Listman, Jason D. and Robert Q. Pollard. "Deaf Culture." 2 Nov. 2017. TS - typescript (typed).

**Manuscripts Submitted for Publication:** Listman, Jason D., Rosa Lee. Timms, and Summer C. Loeffler. "Deaf Musicality and Unearthing The Music Translation Process." In Press. TS - typescript (typed). ~

**Journal Paper:** Beal, Jennifer S., et al. "University American Sign Language Learners: Longitudinal Self- and Faculty Evaluation Ratings." Journal of Interpretation. (2018): 1-10. Print. \*

**Book Chapter:** Bochner, Joseph, et al. "Method and Materials for a Computer-Based Test of Sign Language Ability: The American Sign Language Discrimination Test (ASL-DT)." "New Research on Sign Language." Ed. Reynard Louis. Hauppauge, NY: Nova Science Publishers, 2017. 57-81. Print. ~

## COMMUNICATION STUDIES AND SERVICES

### Linda Gottermeier, Associate Professor

**Internal Reports/Manuscripts/Articles:** Kavin, Denise, et al. "NTID T-Shaped Committee Recommendations and Development of Soft Skills for the NTID Student" [Communication Studies and Services]. Rochester: National Technical Institute for the Deaf, 20 Feb. 2017. Print.

**Manuscripts Submitted for Publication:** Gottermeier, Linda and Carol DeFilippo. "Patterns of Aided Loudness Growth in Experienced Adult Listeners with Early-Onset Severe-Profound Hearing Loss." In Press. TS - typescript (typed). \*

**Uninvited Presentations:** Gottermeier, Linda, et al. "Gaining Equal Access to Communication." Spoken Communication Strategies and Techniques. NTID. Rochester, NY. 5 Oct. 2017. Lecture. ~

**Uninvited Presentations:** Gottermeier, Linda, et al. "Professional Interactions Using Mobile Applications." Imagine RIT. RIT. Rochester, NY. 5 May 2017. Poster Session. ~

**Grants:** Stinson, Michael, et al (2017-2019). MITRE FCC Telecommunication Relay Services (TRS). Grant received/funded by FCC, FCC. ≠

**Grants:** Gottermeier, Linda (2016-2017). Exploring automatic speech recognition technologies in an NTID classroom. Grant received/funded by PLIG, RIT. \*

**Uninvited Presentations:** Gottermeier, Linda, et al. "Gaining Equal Access to Communication (Part 2)." ESSP. ESSP. Rochester, NY. 3 Nov. 2017. Lecture. ~



**Grants:** Gottermeier, Linda and Todd Pagano (2016-2017). Automatic Speech Recognition to Support Spoken Language Communication. Grant received/funded by SPDI, NTID. ~

## CULTURAL AND CREATIVE STUDIES

### Erin Auble, Senior Lecturer

**Shows/Exhibits/Installations:** Auble, Erin. "Fairy Tale Courtroom". Apr. 2017. 1510 Lab Theatre, Rochester, New York. Performance.

### Joseph Bochner, Professor

**Journal Paper:** M., Garrison, W. and Bochner, J.H. "An Application For Screening Gradual-Onset Age-Related Hearing Loss." *Health* 9. (2017): 715-726. Print. \*

**Book Chapter:** Bochner, J., et al. "Method and Materials For A Computer-Based Test of Sign Language Ability: The American Sign Language Discrimination Test (ASL-DT)." *New Research in Sign Language*. Ed. R. Louis. Hauppauge, NY: Nova Science Publishers, 2017. 57-81. Print.

**Provisional Patent:** Bochner, J., W. Garrison, and V. Samar. "Method for Measuring Sign Recognition Ability in Learners of American Sign Language (ASL) as a Second Language." U.S. Provisional Patent Application 330\_P233\_Prov. 18 Jul. 2017.

### Octavian E Robinson

**Journal Paper:** Robinson, Octavian E. "Moving Toward Disability Justice." *Disability Studies Quarterly* 37. 3 (2017): 1-10. Web. £

**Peer Reviewed/Juried Poster Presentation:** Robinson, Octavian E and Naomi Sheneman. "No Room for Ego: Sign Language Interpreting for Equity, Not Entertainment." *Proceedings of the Pacific Rim international conference on disability studies*, October, 2017, Honolulu, Hawaii. Honolulu, Hawaii: n.p.. \*

**Uninvited Presentations:** Robinson, Octavian E and Naomi Sheneman. "False Goodwill: Muting the Deaf Voice in Access." *Pacific Rim international Conference on Disability Studies and Diversity*. University of Hawaii. Honolulu, HI. 10 Oct. 2017. Conference Presentation.

**Uninvited Presentations:** Robinson, Octavian E, et al. "Emerging Deaf Historians: Researching, Writing, and Reinterpreting Deaf History." *International Deaf Academics and Researchers Conference*. Deaf Academics. Copenhagen, Denmark. 11 Aug. 2017. Conference Presentation. £

**Journal Paper:** Robinson, Octavian E and Jonathan Henner. "The Personal is Political in The Deaf Mute Howls: Deaf Epistemology Seeks Disability Justice." *Disability & Society* 32. 9 (2017): 1416-1436. Web. «

**Uninvited Presentations:** Robinson, Octavian E and Andrew Veith. "Beyond Observation: Service Learning and Community Involvement for American Sign Language and Deaf Studies Students." *American Sign Language Teachers Association*. ASLTA. Salt Lake City, UT. 26 Jun. 2017. Conference Presentation. £

**Uninvited Presentations:** Robinson, Octavian E. "Social Justice Framework in Teaching ASL and Deaf Studies: Benefits and Applications." *American Sign Language Teachers Association conference*. ASLTA. Salt Lake City, UT. 26 Jun. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Robinson, Octavian E and Naomi Sheneman. "Power and Privilege in Interpreting." *Workshop for MCDHH*. Massachusetts Commission on the Deaf and Hard of Hearing. Worcester, MA. 15 Jun. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Robinson, Octavian E. "In-Betweenity: Deconstructing the Binary and Ditching the Hierarchy of Identity." *Pride Summit of the Intelligence Community*. Federal Bureau of investigation. Washington, DC. 12 Jun. 2017. Address.

**Invited Keynote/Presentation:** Robinson, Octavian E. "In-Betweenity: The Encounters of Identity Among Deaf People and Their Intersections." Brown University Disabilities in Medicine. Brown University School of Medicine. Providence, RI. 15 Apr. 2017. Address.

**Journal Editor:** Robinson, Octavian E, et al, ed. Journal of American Sign Languages and Literatures. Denver: ASLized, 2018. Web.

**Uninvited Presentations:** Robinson, Octavian E. "Sign Language Interpreters: For Show or for Access?" International Conference on Disability as Spectacle. University of California at Los Angeles. Los Angeles, CA. 13 Apr. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Robinson, Octavian E. "Whiteness, Xenophobia, Stigma, and the Battle Against Sign Language." Brown University. Brown University. Providence, RI. 15 Mar. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Robinson, Octavian E. "Three Degrees Apart: Being Trans and Grappling with Deaf Cultural Norms." Invited Talk. Brown University. Providence, RI. 15 Mar. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Robinson, Octavian E. "Agents of Change: Teaching ASL from a Social Justice Framework for deaf Instructors." Invited Talk. Road to Deaf Interpreting. Worcester, MA. 26 Jan. 2017. Address.

**Published Review:** Robinson, Octavian E. "DEAF-SAME: Is it For Real?" Rev. of It's A Small World: Deaf Spaces in International Encounters, eds. Friedner, Michele and Kusters, Annelies. Journal of Deaf Studies and Deaf Education 1 Oct. 2017: Web. £

## Deirdre Schlehofer, Assistant Professor

**Book Chapter:** Bochner, Joseph, et al. "Method and Materials For A Computer-Based Test of Sign Language Ability: The American Sign Language Discrimination Test (ASL-DT)." "New Research on Sign Language." Hauppauge, NY: Nova Science Publishers, 2017. 57-82. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Owens, Kristina, et al. "Women, Deaf culture and Health Literacy: Examining the Gap Between Deaf and Hearing College Students." Proceedings of the Women's Health 2017: The 25th Annual Congress. Ed. Journal of Women's Health. Washington, DC: Mary Ann Liebert, Inc.. \*

**Peer Reviewed/Juried Poster Presentation:** Panko, Tiffany, et al. "Cancer Diagnosis, Knowledge, and Prevention Among Deaf Women in the 2015-2016 National Health Interview Survey." Proceedings of the Rochester Summer Research Training Institute, June 2017, University of Rochester Medical Center, Rochester, NY. Ed. University of Rochester and National Technical Institute for the Deaf. Rochester, NY: n.p.. \*

## ENGINEERING STUDIES

### James R Fugate, Assistant Professor

**Journal Paper:** Fugate, James R. "Assessment for Project-Based Courses." Journal of Problem Based Learning in Higher Education. (2018): 1-10. Web. \*

**Dissertation/Thesis:** Fugate, James R. "Passive Solar Retrofit for a Gloomy Climate." Diss. Rochester Institute of Technology, 2018. Print. ~

**Grants:** Tomaszewski, Brian, et al (2017-2020). REU Site: Geographic Information Systems (GIS) for Disaster Resilience Spatial Thinking. Grant received/funded by Research Experience for Undergraduate Sites (REU), NSF. ≠



### Dino J Laury (Lauria), Assistant Professor

**Journal Paper:** D.J., Laury,. "Applying Retention Theories to Student-Faculty Interactions." *Journal of Ethical Educational Leadership* 4. 2 (2017): 1-12. Web. \*

## INFORMATION AND COMPUTING STUDIES

### James Mallory, Professor

**Invited Paper:** Mallory, James, Brian Trager, and Chris Campbell. "Collaborating with Microsoft for Automatic Speech Recognition to Facilitate Communication between Deaf Students and the Hearing World." *Collaborating with Microsoft for Automatic Speech Recognition to Facilitate Communication between Deaf Students and the Hearing World.* (2017). Web. Δ

**Journal Paper:** Mallory, James, et al. "Personal Perspectives on Using Automatic Speech Recognition to Facilitate Communication between Deaf Students and Hearing Customers." *ACM ASSETS 2017 Conference Proceedings ASSETS'17*, October 29-November 1, 2017, Baltimore, MD, USA. ACM ISBN 978-1-4503-4926-0/17/10 (2017): 1-4. Web. «

## LIBERAL STUDIES

### Janine M Butler

**Journal Paper:** Butler, Janine. "Bodies in Composition: Teaching Writing through Kinesthetic Performance." *Composition Studies* 45. 2 (2017): 73-90. Print. \*

### Matthew W Dye, Assistant Professor

**Journal Editor:** Dye, Matthew, ed. *Journal of Deaf Studies and Deaf Education*. Oxford, UK: OUP, 2017. Print.

**Journal Paper:** Dye, Matthew and Olivier Pascalis. "Editorial: The Sensation-Cognition Interface: Impact of Early Sensory Experiences On Cognition." *Frontiers in Psychology*. (2017): 1. Web. £

### Manuscripts Submitted for Publication:

Pelczarski, Kristin, et al. "Delayed Phonological Encoding In Stuttering: Evidence From Eye Tracking." 2017. TS - typescript (typed). «

### Uninvited Presentations:

Dye, Matthew. "Does Audition Drive the Development of Domain-General Sequencing Abilities?" 2017 Society for Research in Child Development Biennial Meeting. Society for Research in Child Development. Austin, TX. 1 Apr. 2017. Conference Presentation. «

**Uninvited Presentations:** Dye, Matthew. "Deafness Related Deficits In Temporal Attention: Hearing Loss or Linguistic Deprivation?" Fourth International Conference on Cognitive Hearing Science and Communication. Linköping University. Linköping, Sweden. 1 Jun. 2017. Conference Presentation. \*

**Journal Paper:** Dye, Matthew, Poorna Kushalnagar, and Jon Henner. "Concerns with Data Analysis and Interpretation. Commentary on: Geers et al. (2017). Early Sign Language Exposure and Cochlear Implantation Benefits." *Pediatrics*. (2017): 1-10. Web.

**Journal Paper:** Stoll, Chloé, et al. "Face Recognition is Shaped by the Use of Sign Language." *Journal of Deaf Studies and Deaf Education*. (2017): 1. Print. «

**Uninvited Presentations:** Lao, Junpeng, et al. "Deafness Amplifies Visual Information Sampling During Face Recognition." *Vision Sciences Society 2017*. Vision Sciences Society. St. Pete's Beach, FL. 1 May 2017. Conference Presentation. \*

**Uninvited Presentations:** Stoll, Chloé, et al. "Analyzing the Allocation of Visual Attention in Deaf and Hearing Signers with a Drift-Diffusion Model." 40th European Conference on Visual Perception ECVF 2017. Charité Universitätsmedizin Berlin. Berlin, Germany. 27 Aug. 2017. Poster Session. \*

**Grants:** Dye, Matthew and Anu Sharma (2017-2022). Neurocognitive Plasticity in Young Deaf Adults: Effects of Cochlear Implantation and Sign Language Exposure. Grant proposal submitted to R01, NIH. ≠

**Uninvited Presentations:** Dye, Matthew. "Temporal Visual Attention Windows are Larger in Deaf Children." 58th Annual Meeting of the Psychonomics Society. Psychonomics Society. Vancouver, BC. 1 Nov. 2017. Conference Presentation. «

**Grants:** Dye, Matthew, et al (2018-2021). Collaborative Research: Multimethod Investigation of Articulatory and Perceptual Constraints on Natural Language Evolution. Grant proposal submitted to BCS Linguistics, NSF. ≠

**Grants:** Hauser, Peter, Matthew Dye, and Cecilia Alm (2018-2023). PIRE: Multimodal Multilingual Development in Multiple Environments (M3-PIRE). Grant proposal submitted to OISE, NSF. ≠

#### **Pamela Kincheloe, Associate Professor**

**Journal Paper:** Kincheloe, Pamela. "Image-word: Multimodal Theory into Practice in the Deaf Classroom." Composition Forum. (2017): 1-10. Print. \*

**Full Length Book:** Kincheloe, Pamela. Following the Signs: Deaf History in 20 Objects. : Oxford UP, 2018. Print. \*

**Book Chapter:** Kincheloe, Pamela. "Half-Deaf-Mother-Scholar: My Life in the Hyphen." Professing Parenthood. New Brunswick, NY: Rutgers UP, 2018. 1-10. Print. \*

**Published Review:** Kincheloe, Pamela. "Good Writing is Good Writing." Rev. of Good Writing: A Rhetoric and Reader for Argument, , by Connie Snyder Mick. Oxford UP 18 Nov. 2017: 1-10. Web.

**Published Review:** Kincheloe, Pamela. Rev. of "Coming out" Rhetoric In Disability Studies: Exploring Its Fit With The Deaf Experience, ed. Kim E. Nielson. Disability Studies Quarterly 17 Dec. 2017: 1-10. Web.

**Uninvited Presentations:** Kincheloe, Pamela. "Putting a Stamp on Deaf Literacy." Annual Meeting of the ESSP. Educational Support Service Personnel. Rochester, NY. 3 Nov. 2017. Conference Presentation.

#### **Rachel C Mazique, Lecturer**

**Book Chapter:** Mazique, Rachel C. "Sign Language Peoples' Right to be Born: The Bioethical Debate in Karawynn Long's "Of Silence and Slow Time"." Innovations in Deaf Studies: The Role of Deaf Scholars. Ed. Annelies Kusters, Dai O'Brien, and Maartje De Meulder. Oxford, England: Oxford University Press, 2017. 295-329. Print. Δ

**Invited Keynote/Presentation:** Mazique, Rachel. "Sign Language Peoples' Right to be Born: The Bioethical Debate in Karawynn Long's "Of Silence and Slow Time"." Deaf Scholars and Innovations in Deaf Studies Conference. Heriot-Watt University. Edinburgh, UK. 15 Jun. 2017. Conference Presentation. Δ

**Journal Paper:** Mazique, Rachel. "Science Fiction's Imagined Futures and Powerful Protests: The Ethics of "Curing" Deafness in Ted Evans's "The End" and Donna Williams's "When the Dead are Cured"." The Intersections of Disability and Science Fiction. (2018): 1-10. Web. \*

### **LIBERAL STUDIES - RESEARCH**

#### **Gerald Berent, Professor**

**Invited Paper:** Berent, Gerald P., et al. "L2 and Deaf Learners' Comparative Knowledge of English Transitive and Intransitive Verb Properties: Relative Linguistic Complexity Yields Acquisitional Parallels." American Association for Applied Linguistics Annual Conference, Portland, OR. (2017). Web. «

**Invited Article/Publication:** Berent, Gerald P., et al. "Variation in Deaf and Hard-Of-Hearing College Students' Knowledge of General-Purpose and Academic English Verbs." Paper presentation at the 2017 NTID Scholarship Symposium, National Technical Institute for the Deaf, RIT. (2017). Web. \*

**Manuscripts Submitted for Publication:**

Berent, Gerald P., et al. "Derivational Complexity, Interface Knowledge, and L2 Learner-Deaf Learner Parallels in Acquisition of Transitive and Intransitive Sentence Properties." 2017. TS - typescript (typed). «

**Jessica Cuculick, Associate Professor**

**Book Chapter:** Barnett, Steven B., et al. "National Center for Deaf Health Research: CBPR with the Deaf and Hard-of-Hearing Community." "Community-Based Participatory Research for Health." Ed. N. Wallerstein, et al. New York, New York: Jossey-Bass, 2017. 157-174. Print. ^

**Vincent J Samar, Associate Professor**

**Invited Article/Publication:** Barnett, Steven L., et al. "Collaboration With Deaf Communities to Conduct Accessible Health Surveillance." *American Journal of Preventive Medicine*. (2017). Print. Δ

**Grants:** Samar, Vincent J (2017-2017). PROMIS (Patient Reported Outcomes Measurement Information System) Materials Development. Grant received/funded by Mitten Family Foundation, Mitten Family Foundation.

**Invited Article/Publication:** Samar, Vincent J and Lauren Berger. "Does A Flatter General Gradient of Visual Attention Explain Peripheral Advantages and Central Deficits in Deaf Adults?" *Frontiers in Psychology*. (2017). Print. ~

**Book Chapter:** Bochner, Joseph, et al. "Method and Materials for a Computer-Based Test of Sign Language Ability: The American Sign Language Discrimination Test (ASL-DT)." "New Research in Sign Language." Hauppauge, New York: Nova Science Publishers, 2017. 1-35. Print. ~

**Grants:** Smith, Scott R, Vincent J Samar, and Paul Craig (2017-2022). RIT-RISE Scientists-in-Training Program for Deaf and Hard-of-Hearing Undergraduates. Grant received/funded by NIH, NIH. ~

**Uninvited Presentations:** Samar, Vincent J, et al. "Adult Bicultural Deaf/Hearing Identity is Associated with Health-Related Correlates of Academic Achievement." ADARA Conference 2017- Professionals, Purpose, Passion: Pathways to New Opportunities. ADARA. Portland, Oregon. 23 May 2017. Poster Session. ~

**Uninvited Presentations:** Samar, Vincent J and Paige Bernal. "Attachment to Parents, Family Communication, and Academic Achievement of Deaf and Hard of Hearing College Adults." ADARA Conference 2017- Professionals, Purpose, Passion: Pathways to New Opportunities. ADARA. Portland, Oregon. 23 May 2017. Poster Session. ~

**Uninvited Presentations:** Parasnis, Ila, et al. "A Valid Sign Language-Based ADHD Test for Deaf Adults." ADARA Conference 2017- Professionals, Purpose, Passion: Pathways to New Opportunities. ADARA. Portland, Oregon. 23 May 2017. Poster Session. ~

**Uninvited Presentations:** Coll, Ysabela and Vincent J Samar. "Academic Achievement of First-born and Secondborn College Adults: Effects of Birth Order, Birth Spacing, and Childhood Socio-economic Status." 29th Annual Association for Psychological Science Convention. Association for Psychological Science. Boston, MA. 26 May 2017. Poster Session. ~

**Uninvited Presentations:** Samar, Vincent J and Lauren Berger. "Does A Flatter General Gradient of Visual Attention Explain Peripheral Advantages and Central Deficits in Deaf Adults?" 29th Annual Association for Psychological Science Convention. Annual Association for Psychological Science. Boston, MA. 28 May 2017. Poster Session. ~

**Grants:** Samar, Vincent J (2017-2017). New York State Deaf Health Survey. Grant received/funded by National Center for Deaf Health Research and New York State Department of Health, National Center for Deaf Health Research and New York State Department of Health.

**Uninvited Presentations:** Lagasca, Audrey. "Sleep Quality and Types of Aggression in Deaf and Hearing Adults." 29th Annual Association for Psychological Science Convention. Association for Psychological Science. Boston, MA. 27 May 2017. Poster Session. ~

**Grants:** Bochner, Joseph, et al (2017-2018). Auditory Experience, Critical Periods and the Development of Categorical Perception in Cochlear Implant Users: A Preliminary Investigation. Grant received/funded by Health Hearing Foundation, Health Hearing Foundation. ~

**Grants:** Samar, Vincent J (2017-2017). Sexual Health Survey Pilot Project. Grant received/funded by University of Rochester, Deans Office, Clinical and Translational Sciences Institute (Center for Aids Research), University of Rochester, Deans Office, Clinical and Translational Sciences Institute (Center for Aids Research).

**Uninvited Presentations:** Bellevue, Cathy and Vincent J Samar. "High Childhood SES and Cochlear Implants Increase Performance on Print Exposure Measures of Cognitive and Literacy Development in Deaf Adults." 29th Annual Association for Psychological Science Convention. Association for Psychological Science. Boston, MA. 27 May 2017. Poster Session. ~

**Grants:** Samar, Vincent J and Robert Pollard (2017-2018). NTID Subcontract to the Rochester Prevention Research Center- National Center for Deaf Health Research (NCDHR), Centers for Disease Control and Prevention (CDC): Prevention Research Centers Program. Grant received/funded by Centers for Disease Control and Prevention (CDC): Prevention Research Centers Program., Centers for Disease Control and Prevention (CDC).

**Grants:** Pollard, Robert, et al (2017-2019). Investigating Key Biopsychosocial Factors that Mediate Lifespan Management of Pre-Lingual Deafness. Grant received/funded by R21, NIH. ~

**Grants:** DeCaro, James and Vincent J Samar (2016-2017). NTID Subcontract to the Rochester Prevention Research Center- National Center for Deaf Health Research (NCDHR), Centers for Disease Control and Prevention (CDC): Prevention Research Centers Program. Grant received/funded by Centers for Disease Control and Prevention (CDC): Prevention Research Centers Program., Centers for Disease Control and Prevention (CDC).

## MSSE

### Gerald Bateman, Professor

**Internal Reports/Manuscripts/Articles:** Ed.D., Gerald C. Bateman,. "Social Studies Education for the Deaf" Rochester: Master of Science in Secondary Education at NTID, 2017. Print.

### Christopher Kurz, Associate Professor

**Book Chapter:** Kurz, Christopher A.N., Kim B. Kurz, and Raychelle Harris. "Effectively Interpreting the Content Areas Utilizing Academic Language Strategies." "Deaf Eyes on Interpreting." Ed. Thomas Holcomb and David Smith. Washington, DC: Gallaudet University Press, 2017. 1-10. Print. £

**Book Chapter:** Higgins, Jennifer A., et al. "Lessons Learned From Research and Development of ASL Guidelines For K-12 Educational Assessments." "Research Methodology in Deaf Education." Ed. Stephanie Cawthon and Catherine L. Garberoglio. New York, New York: Oxford University Press, 2017. 1-10. Print. £

**Invited Keynote/Presentation:** Kurz, Kim B. and Christopher Kurz. "Educational Interpreter's Roles & Deaf Children's Comprehension of Direct and Interpreted Education." La Salle Green Hills. De La Salle - College of St. Benilde. Manila, Philippines. 23 Jan. 2017. Lecture. Δ



**Invited Keynote/Presentation:** Kurz, Christopher and Kim Kurz. "Supporting Deaf Students: Effective Strategies in Promoting Academic Languages in Content Areas." La Salle Green Hills. De La Salle - College of St. Benilde. Manila, Philippines. 22 Jan. 2017. Address.

**Invited Keynote/Presentation:** Kurz, Christopher. "Deaf Experience: Mathematical Literacy." Promoting Student Success in Mathematics: Working with Deaf and Hard of Hearing Students Conference. TSD. San Antonio, TX. 16 Apr. 2017. Keynote Speech.

**Uninvited Presentations:** Lee, ChongMin, Christopher Kurz, and Keith Mousley. "Deaf Students' Understanding of Rational Numbers: Educational Implications." American Educational Research Association Conference. American Educational Research Association. San Antonio, TX. 13 Apr. 2017. Reading. \*

**Uninvited Presentations:** Lee, ChongMin and Christopher Kurz. "Rational Numbers: Is It Hard To Master?" Association of College Educators of the Deaf and Hard of Hearing Conference. ACE-DHH. San Antonio, TX. 14 Feb. 2017. Conference Presentation. \*

**Peer Reviewed/Juried Poster Presentation:** Rinkevich, Micah and Christopher Kurz. "Virtual Labs and Simulations in the DHH Science Classroom." Proceedings of the Association of College Educators of the Deaf and Hard of Hearing Conference. Ed. Association of College Educators of the Deaf and Hard of Hearing. San Antonio, TX: n.p.. \*

**Manuscripts Submitted for Publication:** Hansen, Eric, et al. "The Usability of American Sign Language Videos for Presenting Mathematics Assessment Items." 1 Jul. 2017. TS - typescript (typed). «

**Book Chapter:** Higgins, Jennifer, et al. "Research and Development of Guidelines for ASL Translation of Educational Assessments." Research in Deaf Education: Contexts, Challenges, and Considerations. Ed. Stephanie Cawthon and C.L. Garberoglio. New York City, New York: Oxford University Press, 2017. 161-179. Print. £

**Book Chapter:** Kurz, Christopher, Kim B. Kurz, and Raychelle Harris. "Effectively Interpreting the Content Areas Utilizing Academic Language Strategies." "Deaf Eyes on Interpreting." Ed. Thomas Holcomb and Dave Smith. Washington, DC: Gallaudet University Press, 2018. 1-10. Print. £

**Journal Editor:** Kurz, Christopher, ed. Journal of American Sign Languages and Literatures. e-City: ASLized!, 2017. Web.

### Sara Schley, Associate Professor

**Journal Paper:** Lynn, M. A., et al. "Deaf, Hard-of-Hearing, and Hearing Students In A Freshmen Biology Course: How the Development of Social Learning Styles and College Experiences Contribute To Success." Journal of Developmental and Physical Disabilities 29. 1 (2017): 173-201. Print. \*

**Grants:** (PI), S. Schley (2018-2022). Multimedia Materials and Access to Postsecondary Education: Exploration of Malleable Design Features for Students with Diverse Language and Communication Characteristics. Grant proposal submitted to IES, US Dept. of Education. ~

**Grants:** (coPI), S. Schley (2017-2020). Students with Disabilities and Pedagogical Practices of Teachers in 3 Regions of Haiti. Grant received/funded by PEER Cycle 6, USAID. ~

### Michael E Skyer, Lecturer

**Uninvited Presentations:** Skyer, Michael E. "Visual Pedagogy and Ocularcentric Deaf Education: Confluences and Conflicts In Research On Deaf Pedagogy." Inaugural Deaf and Hard of Hearing Scientists Rochester Summer Research Training Institute (RSRTI). Saunders Research Building. University of Rochester, Sunday. RIT and UR. Rochester, NY. 11 Jun. 2017. Poster Session. £

**Uninvited Presentations:** Skyer, Michael E. "Multimodal Deaf Digital Learning Platforms in Higher Education." University of Rochester 8th Annual Diversity Conference Poster Session. University of Rochester. Rochester, NY. 31 Mar. 2017. Poster Session. £

**Peer Reviewed/Juried Poster Presentation:**

Skyer, Michael E. "Bodies In Dependence: A Foucauldian Genealogy of the Americans with Disabilities Acts of 1990 and 2008." Proceedings of the University of Rochester, 5th Annual Diversity Conference: "Crossroads: An Opportunity for Progress,". Rochester, NY: n.p.. £

**Jessica W Trussell, Assistant Professor**

**Invited Keynote/Presentation:** Trussell, Jessica W. "Supporting Early Reading Skills at Home and School." Great Start 2017. Montgomery County Intermediate Unit. State College, PA. 23 Jun. 2017. Conference Presentation.

**Journal Paper:** Trussell, Jessica W., et al. "The Effects of Interactive Storybook Reading with Preschoolers Who Are Deaf or Hard of Hearing." Topics in Early Childhood Special Education 37. 3 (2017): 147-163. Print. \*

**Manuscripts Submitted for Publication:** Trussell, Jessica W., et al. "Morphology Instruction in the Science Classroom For Students Who Are Deaf: A Multiple Probe Across Content Analysis." Jul. 2017. TS - typescript (typed). \*

**Manuscripts Submitted for Publication:** Trussell, Jessica W. and M. Christina Rivera. "Word Identification and the Adolescent Deaf and Hard-of-Hearing Reader: Going Back to Learning to Read." In Press. TS - typescript (typed). \*

**Invited Keynote/Presentation:** Trussell, Jessica W. "Decoding For Adolescent Deaf and Hard-of-Hearing Readers." Teaching Deaf Learners Conference. Royal Dutch Kentalis. Amsterdam, NL. 24 Mar. 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** Trussell, Jessica W. "Reading a Language You Can't Hear." Canadian Educators of the DHH Conference. Canadian Educators of the DHH Conference. Vancouver, BC. 20 Oct. 2017. Keynote Speech.

**Grants:** Trussell, Jessica W. (2018-2020). Improving Literacy Outcomes for Students Who Are Deaf and Hard-of-Hearing. Grant proposal submitted to NIDCD, NIH. \*

**Grants:** Trussell, Jessica W. (2018-2021). Improving Reading Outcomes of Students Who Are Deaf or Hard-of-Hearing. Grant proposal submitted to NCSEER Goal 2 Development and Innovation under Reading, Writing, and Language topic - Research Training Program in Special Education: Early Career Development and Mentoring, Institute of Education Sciences. \*

**MSSE - RESEARCH****Ronald Kelly, Professor**

**Invited Keynote/Presentation:** Kelly, Ronald R. and Andrew B. Quagliata. "Developing Personal Characteristics and Soft Skills Needed for Promotion & Career Growth." 2017 Conference of the Association of College Educators-Deaf and Hard of Hearing. ACE-DHH Association of College Educators-Deaf and Hard of Hearing. San Antonio, TX. 7 Feb. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Kelly, Ronald R., et al. "Stereotype Threat Effects on Deaf & Hard of Hearing College Students Math Performance." 2017 Conference of the Association of College Educators-Deaf and Hard of Hearing. ACE-DHH Association of College Educators-Deaf and Hard of Hearing. San Antonio, TX. 6 Feb. 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Kelly, Ronald R. and Andrew B. Quagliata. "Developing Strategies, Personal Characteristics and Soft Skills Needed for Job Advancement & Career Success." ADARA Conference 2017: Pathways to New Opportunities. ADARA-American Deafness and Rehabilitation Association. Portland, OR. 24 May 2017. Conference Presentation. \*

**Journal Paper:** Stinson, Michael S., Lisa B. Elliot, and Ronald R. Kelly. "Deaf and Hard-Of-Hearing High School and College Students' Perceptions of Speech-To-Text and Interpreting/Note Taking Services and Motivation." Journal of Developmental and Physical Disabilities 29. 1 (2017): 131-152. Print. ~

**Book Chapter:** Kelly, Ronald R. "The Changing Face of the NTID Research Enterprise 1968-2017." "NTID 50th Anniversary History." Ed. James McCarthy. Rochester, NY: RIT Press, 2018. 115-123. Print. Δ

**Journal Paper:** Mousley, Keith and Ronald R. Kelly. "Developing Deaf Students Fraction Skills Requires Understanding Magnitude and Whole Number Division." *Journal of Education and Learning*. (2018): 1-9. Print. £

**Invited Keynote/Presentation:** Quagliata, Andrew B. and Ronald R. Kelly. "Using Artificial Intelligence Technologies to Evaluate and Improve Student Writing." Evidence-Based Teaching & Learning Lilly Conference. Lilly. Austin, TX. 4 Jan. 2017. Conference Presentation. £

#### Michael Stinson, Professor

**Journal Paper:** Rathbun, Kevin, et al. "Eye Movements of Deaf and Hard of Hearing Viewers of Automatic Captions." *Journal on Technology and Persons with Disabilities*. (2017): 1-10. Print. \*

**Published Conference Proceedings:** Stinson, Michael S., et al. "Knowledge Building and Problem Solving in Teams with Hearing, Deaf, and Hard of Hearing Postsecondary Students." *Proceedings of the Annual Meeting of the American Educational Research Association*, New York City, April 13-17, 2018. Ed. Carla O-Conner and Suzanne Wilson. Washington, DC: n.p., Web. \*

**Book Chapter:** Stinson, Michael S. "Importance of Technology for Education of Deaf Students." "Educating Deaf Learners: New Perspectives." Ed. Marc Marschark and Harry Knoors. New York, New York: Oxford University Press, 2018. 1-10. Print. ~

**Journal Paper:** Stinson, Michael S., Lisa B. Elliot, and Ronald R. Kelly. "Deaf and Hard-of-Hearing High School and College Students' Perceptions of Speech-To-Text and Interpreting/Note Taking Services and Motivation." *Journal of Developmental and Physical Disabilities* 28. 1 (2017): 131-152. Print. \*

**Peer Reviewed/Juried Poster Presentation:** Stinson, Michael S. "Importance of Technology for Education of Deaf Students." *Proceedings of the 2nd International Conference on Teaching Deaf Learners*. Ed. Harry Knoors and Marc Marschark. Amsterdam, Netherlands: n.p.. Δ

**Published Conference Proceedings:** Stinson, Michael S., et al. "Using Automatic Speech Recognition to Facilitate Communication Between and Individual who is Hearing and One who is Deaf or Hard of Hearing." *Proceedings of the 19th Annual International Conference on Computers and Accessibility (ASSETS17)*,. Ed. M. Findlater and M. Morris. New York, New York: ACM, 2017. Web. \*

#### OFFICE OF THE PRESIDENT

##### Kathryn Crowe

**Book Chapter:** Crowe, Kathryn. "DHH Multilingual Learners: Language Acquisition In A Multilingual World." "Evidence-based practice in deaf education." Ed. Harry Knoors and Marc Marschark. New York, New York: Oxford University Press, . 1-10. Print. £

**Book Chapter:** Wren, Yvonne, et al. "Digital Tools To Support Children's Speech and Language Skill." "Digital Childhoods: Technologies in children's everyday lives." Ed. Susan Danby, et al. New York, New York: Springer, 2017. 1-10. Print. £

**Book Chapter:** Verdon, Sarah, Sharynne McLeod, and Kathryn Crowe. "Multilingualism, Language Choice, and Language Use In Childhood." "Crossing Boundaries: Interdisciplinarity In Language Studies." Ed. Vander Viana. Amsterdam, Netherlands: John Benjamins, 2017. 1-10. Print. £

**Journal Paper:** McCormack, Jane, Elise Baker, and Kathryn Crowe. "The Human Right To Communicate and Our Need To Listen: Learning From People with A History Of Childhood Communication Disorder." *International Journal of Speech-Language Pathology*. (2018): 1-10. Print. «

**Journal Paper:** McLeod, Sharynne, et al. "Preschool Children's Communication, Motor and Social Development: Parents' and Educators' Concerns." *International Journal of Speech-Language Pathology*. (2017): 1-10. Print. «

**Journal Paper:** Crowe, Kathryn, et al. "Educators' Perspectives On Facilitating Computer-Assisted Speech Intervention In Early Childhood Settings." *Child Language Teaching and Therapy* 33. 3 (2017): 267-285. Print. «

**Journal Paper:** Crowe, Kathryn, et al. "Achievement, Language, and Technology Use Among College-Bound Deaf Learners." *Journal of Deaf Studies and Deaf Education* 22. 4 (2017): 393-401. Print. «

**Journal Paper:** McCormack, Jane, et al. "Implementation Fidelity of A Computer-Assisted Intervention For Children with Speech Sound Disorders." *International Journal of Speech-Language Pathology* 19. 265-276 (2017): 265-276. Print. «

**Journal Paper:** McLeod, Sharynne, et al. "Cluster Randomized Controlled Trial Evaluating the Effectiveness of Computer-Assisted Intervention Delivered By Educators For Children with Speech Sound Disorders." *Journal of Speech, Language and Hearing Research* 60. (2017): 1891-1910. Print. «

**Journal Paper:** McLeod, Sharynne, et al. "Profile of Australian Preschool Children with Speech Sound Disorders At Risk For Literacy Difficulties." *Australian Journal of Learning Difficulties* 22. 1 (2017): 15-33. Print. «

**Journal Paper:** McLeod, Sharynne, Sarah Verdon, and International Expert Panel on Multilingual Children's Speech. "Tutorial: Speech Assessment For Multilingual Children Who Do Not Speak the Same Language(s) As the Speech-Language Pathologist." *American Journal of Speech-Language Pathology* 26. (2017): 691-708. Print. «

**Journal Paper:** Washington, Karla, et al. "Validation of the Intelligibility In Context Scale For Jamaican Creole-Speaking Preschoolers." *American Journal of Speech-Language Pathology* 26. (2017): 750-761. Print. «

**Invited Article/Publication:** Crowe, Kathryn. "Speaking the Same Language: Parent and Professional Perspectives On Communication Choice." Cochlear implanted children's support group. (2017). Print. Δ

**Invited Article/Publication:** Crowe, Kathryn. "Mamá, Mare, Nai, or Ama: Multilingüismo E Implantes Cocleares [Mamá, Mare, Nai, or Ama: Language Choice and Cochlear Implants]." *Integración*. (2017). Print. Δ

**Invited Article/Publication:** Crowe, Kathryn, Sharynne McLeod, and Jacqueline Barr. "Siblings of Children with Hearing Loss." *Raising and educating deaf children: Foundations for policy, practice and outcomes*. (2017). Web. £

**Invited Article/Publication:** Crowe, Kathryn. "Multilingualism and Deaf Learners: The Good, The Bad and The Evidence." *British Association of Teachers of the Deaf Magazine*. (2017). Print. Δ

**Invited Article/Publication:** Crowe, Kathryn. "Speech-language Pathologists and Education Transitions." *Raising and educating deaf children: Foundations for policy, practice and outcomes*. (2017). Web. £

**Published Review:** Crowe, Kathryn. "“Here in Nepal There are No Old Deaf People”: Describing Deafness in a Nepali Context." *Rev. of Signing and belonging in Nepal*, by Erica Hoffmann-Dilloy. *Journal of Deaf Studies and Deaf Education* 9 Aug. 2017: 434. Print. £

**Invited Keynote/Presentation:** Crowe, Kathryn. "Understanding Multilingualism and Hearing Loss: Taking Charge of Change." *Advising Itinerant Teachers: Hearing Impairment Conference*. Education Queensland. Brisbane, Australia. 20 Jul. 2017. Keynote Speech. £



**Invited Keynote/Presentation:** Crowe, Kathryn. "Hei! : Language Acquisition In A Multilingual World." European Association of Cochlear Implant Users symposium. European Association of Cochlear Implant Users. Helsinki, Finland. 21 Apr. 2017. Keynote Speech. £

**Invited Keynote/Presentation:** Crowe, Kathryn. "DHH Multilingual Learners: Language Acquisition In A Multilingual World." 2nd International Conference on Teaching Deaf Learners. Royal Dutch Kentalis / National Technical Institute for the Deaf. Amsterdam, The Netherlands. 23 Mar. 2017. Keynote Speech. £

**Peer Reviewed/Juried Poster Presentation:** Crowe, Kathryn, Sharynne McLeod, and Breda Carty. "Multilingual Deaf and Hard-of-Hearing Learners: Languages, Choices, and Outcomes." Proceedings of the 5th International Composium on Communication Disorders in Multilingual and Multicultural Populations. Ed. HSB. Bremen, Germany: n.p.. \*

**Uninvited Presentations:** McLeod, Sharynne and Kathryn Crowe. "Consonant Acquisition by 26,008 Children In 31 Countries Across 27 Languages." Speech Pathology Australia National Conference. Speech Pathology Australia. Sydney, Australia. 22 May 2017. Conference Presentation. \*

**Uninvited Presentations:** Verdon, Sarah, et al. "Innovations and Evidence-Based Practice For Working In A Culturally and Linguistically Diverse Society: A Summary of the Speech Pathology Australia Position Paper and Clinical Guidelines For Working In A Culturally and Linguistically Diverse Society." Speech Pathology Australia National Conference. Speech Pathology Australia. Sydney, Australia. 22 May 2017. Conference Presentation. \*

**Invited Keynote/Presentation:** Crowe, Kathryn. "Why Potatoes Aren't Vegetables: Things I've learnt From My Fulbright Scholarship." Public Lecture. Charles Sturt University. Bathurst, Australia. 5 Jul. 2017. Guest Lecture.

## **Lisa Elliot, Research Associate Professor**

**Published Conference Proceedings:** Elliot, Lisa, et al. "User Experiences When Testing a Messaging App for Communication Between Individuals who are Hearing and Deaf or Hard of Hearing." Proceedings of the ASSETS'17, October 29-November 1, 2017, Baltimore MD. Ed. Amy Hurst, Leah Findlater, and Meredith Ringle-Morris. New York City, New York: ACM, 2017. Web. \*

**Published Conference Proceedings:** Mallory, James R., et al. "Personal Perspectives on Using Automatic Speech Recognition to Facilitate Communication between Deaf Students and Hearing Customers." Proceedings of the ASSETS'17, October 29-November 1, 2017, Baltimore MD. Ed. Amy Hurst, Leah Findlater, and Meredith Ringle-Morris. New York, New York: ACM, 2017. Web. \*

**Published Conference Proceedings:** Stinson, Michael, et al. "Using Automatic Speech Recognition to Facilitate Communication Between an Individual who is Hearing and One who is Deaf or Hard of Hearing." Proceedings of the ASSETS'17, October 29-November 1, 2017, Baltimore MD. Ed. Amy Hurst, Leah Findlater, and Meredith Ringle-Morris. New York, New York: ACM, 2017. Web. \*

**Journal Paper:** Stinson, Michael S., Lisa B. Elliot, and Ronald R. Kelly. "Deaf and Hard-of Hearing High School and College Students' Perceptions of Speech-to-Text and Interpreting/Note Taking Services and Motivation." Journal of Developmental and Physical Disabilities 29. (2017): 131-152. Web. \*

**Journal Paper:** Gehret, Austin U., Lisa B. Elliot, and Jonathan H.C. MacDonald. "Active Collaborative Learning Through Remote Tutoring: A Case Study with Students Who Are Deaf or Hard of Hearing." Journal of Special Education Technology 32. 1 (2017): 36-46. Web. \*

## Marc Marschark, Professor

**Journal Paper:** Blom, Helen, Marc Marschark, and Elizabeth Machmer. "Simultaneous Communication Supports Learning In Noise By Cochlear Implant Users." *Cochlear Implants International* 18. (2017): 49-56. Print. «

**Journal Paper:** Marschark, Marc, et al. "Don't Assume Deaf Students are Visual Learners." *Journal of Physical and Developmental Disabilities* 29. (2017): 153-171. Print. «

**Journal Paper:** Marschark, Marc, et al. "Don't Assume Deaf Students are Visual Learners." *Journal of Physical and Developmental Disabilities* 29. (2017): 153-171. Print. «

**Journal Paper:** Marschark, Marc, Ingo Zettler, and Jesper Dammeyer. "Social Dominance Orientation, Language Orientation, and Deaf Identity." *Journal of Deaf Studies and Deaf Education* 22. (2017): 269-277. Print. «

**Journal Paper:** Crowe, Kathryn, et al. "Achievement, Language, and Technology Use Among College-Bound Deaf Learners." *Journal of Deaf Studies and Deaf Education* 22. (2017): 393-401. Print. «

**Journal Paper:** Dammeyer, Jesper, Christine Lehane, and Marc Marschark. "Use of Technological Aids and Interpretation Services Among Children and Adults with Hearing Loss." *International Journal of Audiology* 56. (2017): 740-748. Print. «

**Journal Paper:** Marschark, Marc, et al. "Language and Psychosocial Functioning among Deaf Learners with and without Cochlear Implants." *Journal of Deaf Studies and Deaf Education*. (2017): 1-10. Print. «

**Journal Paper:** Bull, Rebecca, et al. "The Approximate Number System and Domain-General Abilities As Predictors of Mathability In Children with Normal Hearing and Hearing Loss." *British Journal of Developmental Psychology*. (2018): 1-10. Print. «

**Book Chapter:** Marschark, Marc and Harry Knoors. "Sleuthing the 93% Solution in Deaf Education." "Evidence-Based Practice in Deaf Education." Ed. Harry Knoors and Marc Marschark. New York, NY: Oxford University Press, 2018. 1-10. Print. ~

**Book Chapter:** Knoors, Harry, Annet de Klerk, and Marc Marschark. "The Need for Constructing and Implementing Teaching Practices Informed by Research Evidence." "Evidence-Based Practice in Deaf Education." Ed. Harry Knoors and Marc Marschark. New York, NY: Oxford University Press, 2018. 1-10. Print. ~

**Full Length Book:** Knoors, Harry and Marc Marschark. "Evidence-Based Practice in Deaf Education." New York, NY: Oxford University Press, 2018. Print. £

**Full Length Book:** Marschark, Marc. *Raising and Educating a Deaf Child*. Third ed. New York, NY: Oxford University Press, 2018. Print.

## Robert Pollard, Professor

**Grants:** Smith, Scott, Robert Pollard, and Wyatt Hall (2017-2019). Investigating Key Biopsychosocial Factors That Mediate Lifespan Management of Pre-Lingual Deafness. Grant received/funded by National Institute on Deafness and Other Communication Disorders, National Institutes of Health. \*

**Invited Keynote/Presentation:** Jr, Robert Q Pollard and Robyn K. Dean. "Mental Health Interpreting: Clinical Information and Work Strategies for A Practice Profession." *Mental Health Interpreter Training*. Alabama Department of Mental Health. Montgomery, AL. 1 Aug. 2017. Guest Lecture.

**Invited Keynote/Presentation:** Jr, Robert Q Pollard. "Forensics and the Deaf Population: Challenges and Strategies for Interpreters and Clinicians." *Alumni Session, Mental Health Interpreter Training*. Alabama Department of Mental Health. Montgomery, AL. 31 Jul. 2017. Lecture.

**Invited Keynote/Presentation:** Jr, Robert Q Pollard. "Deaf-hearing Relations: "Getting It" and Avoiding Conflicts." American Sign Language Program, University of Rochester. University of Rochester. Rochester, NY. 26 Sep. 2017. Guest Lecture.

**Uninvited Presentations:** Jr, Robert Q Pollard. "Technical Standards and Other Legal Challenges Confronting D/HH Healthcare Professionals." Association of Medical Professionals with Hearing Loss. Association of Medical Professionals with Hearing Loss. Rochester, NY. 10 Jun. 2017. Conference Presentation. «

**Book Chapter:** Jr., Robert Q Pollard and Meghan Fox. "Forensic Evaluation of Deaf Individuals: Challenges and Strategies." Language Deprivation in Deaf Mental Health Care. Ed. Neil Glickman and Wyatt Hall. New York, New York: Rutledge, 2019. 1-30. Print. Δ

**Journal Paper:** Barnett, Steven, et al. "Collaboration with Deaf Communities to Conduct Accessible Health Surveillance." American Journal of Preventive Medicine 52. 3S3 (2017): S250-S254. Print. «

**Grants:** Pearson, Thomas H. and Robert Q Pollard Jr. (2012-2016). Revised Application to Advance Evidence-Based Research to Protect Human Subjects. Grant received/funded by National Center for Advancing Translational Sciences and the National Institute on Deafness and other Communication Disorders, National Institute of Health. «

**Invited Keynote/Presentation:** Jr, Robert Q Pollard. "The Misguided Search For A Psychology of the Deaf." Union College Psychology Department Speaker Series. Union College. Schenectady, NY. 28 Sep. 2017. Guest Lecture.

**Manuscripts Submitted for Publication:** Jr., Robert Q Pollard and Brian T. Berlinski. "Forensic Evaluation of Deaf Individuals: Challenges and Strategies." 15 Jul. 2017. TS - typescript (typed). Δ

## **Scott R Smith, Research Associate Professor**

**Journal Paper:** Buckley, Gerard, et al. "Building Community For Deaf Scientists." Science 355. 6322 (2017): 255. Print. Δ

**Invited Keynote/Presentation:** Smith, Scott R. "Building Community for Deaf Scientists." National Annual Meeting of the Society of Industrial Microbiology and Biotechnology. Society of Industrial Microbiology and Biotechnology. Denver, CO. 1 Aug. 2017. Conference Presentation. Δ

**Grants:** Smith, Scott R. and Robert Pollard (2017-2019). Investigating Key Biopsychosocial Factors that Mediate Lifespan Management of Prelingual Deafness. Grant received/funded by R21, NIDCD. «

**Grants:** Smith, Scott R., Paul Craig, and Vincent Samar (2017-2022). Rochester Institute of Technology Research Initiative for Scientific Enhancement Scientist-In-Training Program for Deaf and Hard-of-Hearing Undergraduates. Grant received/funded by Research Initiative for Scientific Enhancement (R25), NIGMS/NIH. «

**Manuscripts Submitted for Publication:** Hall, Wyatt and Scott Smith. "Considering Parental Hearing Status As A Social Determinant of Deaf Population Health: Public Health Insights From Experiences of the "Dinner Table Syndrome". 1 Jul. 2017. TS - typescript (typed). «

**Peer Reviewed/Juried Poster Presentation:** Smith, Scott R., et al. "Interactive Health Literacy Skills of Deaf and Hearing College Students: The Role of Accessing Indirect (Incidental) Health Information." Proceedings of the 15th International Conference on Communication in Healthcare & the Health literacy Annual Research Conference. Ed. ICCH and HARC. Baltimore, MD: n.p.. «

**Peer Reviewed/Juried Poster Presentation:** Smith, Scott R. "RIT-RISE Scientists-In-Training Program for Deaf and Hard-of-Hearing Undergraduates." Proceedings of the Training and Workforce Diversity (TWD) Annual Meeting. Ed. Training and Workforce Diversity. Baltimore, MD: n.p.. £

**Invited Keynote/Presentation:** Smith, Scott R. "The Health of Deaf People." Medical Humanities. LeMoyne College PA School. Syracuse, NY. 3 May 2017. Lecture.

**Invited Keynote/Presentation:** Smith, Scott R. "The Health of Deaf People." Deaf Health Pathway Program. University of Rochester Medical Center. Rochester, NY. 15 Sep. 2017. Lecture.

**Published Conference Proceedings:** Le, Viet, Mapa Mapa, and Kandatege Wimalasena. "2-APB and CGP-37157 as Neuroprotective Agents Against the Toxicity and Uptake of 1-Methyl-4-Phenylpyridinium in Dopaminergic MN9D Cell." Proceedings of the Proceedings of the 254rd National Meeting of the American Chemical Society. Ed. American Chemical Society. Washington, DC: n.p., Web.

## SCIENCE AND MATHEMATICS

### Austin Gehret, Assistant Professor

**Journal Paper:** Gehret, Austin U., Jessica W. Trussell, and Lea V. Michel. "Approaching Undergraduate Research with Students who are Deaf and Hard-of-Hearing." Journal of Science Education for Students with Disabilities 20. 1 (2017): 1-10. Web. «

**Peer Reviewed/Juried Poster Presentation:** Gehret, Austin U., Jessica W. Trussell, and Lea V. Michel. "Approaching Undergraduate Research with Students who are Deaf and Hard of Hearing (31.589.1)." Proceedings of the Experimental Biology 2017, Chicago, IL, April 22-26, 2017. Ed. Thoru Pederson. Bethesda, MD: The FASEB Journal. ~

### Bonnie Jacob, Assistant Professor

**Journal Paper:** Jacob, Bonnie and Jobby Jacob. "lp -Optimal Rankings and Max-Optimal Rankings are Different." Graphs and Combinatorics 33. (2017): 1473-1483. Print. \*

### Viet Q Le, Assistant Professor

**Published Conference Proceedings:** Le, Viet, Mapa Mapa, and Kandatege Wimalasena. "Reverse transport of 1-methyl-4-phenylpyridinium (MPP+) is mediated by extracellular calcium in dopaminergic MN9D." Proceedings of the 253rd National Meeting of the American Chemical Society. Ed. American Chemical Society. San Francisco, CA: n.p., Print.

### Matthew Lynn, Associate Professor

**Invited Keynote/Presentation:** Simpson-Haidaris, PJ, et al. "Experiences and Best Practices for Mentoring, Collaborating and Supporting Deaf and Hard-of-Hearing Scientists to Promote Diversity in the Workforce." 2017 IRACDA Annual Conference. IRACDA. Birmingham, AL. 6 Jun. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Simpson-Haidaris, PJ, et al. "Rochester Postdoc Partnership (RPP) to Advance Research and Academic Careers of Deaf Scholars." 2017 Institutional Research and Academic Career Development Awards (IRACDA) Conference. IRACDA. Birmingham, AL. 4 Jun. 2017. Conference Presentation.

**Invited Keynote/Presentation:** Simpson-Haidaris, PJ, et al. "Rochester Postdoc Partnership (RPP) to Advance Research and Academic Careers of Deaf Scholars." Rochester Summer Research Training Institute (RSRTI). University of Rochester. Rochester, NY. 11 Jun. 2017. Conference Presentation.

**Journal Paper:** Miecznikowski, John R., et al. "Deactivation of a Ruthenium(II) N-Heterocyclic Carbene p-Cymene Complex During Transfer Hydrogenation Catalysis." Transition Metal Chemistry. (2017): 1-9. Print. ~

**Uninvited Presentations:** Zhang, Yaxin and Matthew A Lynn. "Validation of Intermolecular Charge Transfer Excited State Contribution in Aggregated Squaraines." 26th Annual Undergraduate Research Symposium. RIT. Rochester, NY. 4 Aug. 2017. Conference Presentation.



**Manuscripts Submitted for Publication:**

Lynn, Matthew A, et al. "Diversifying Academic Medicine: Mentoring and Supporting Deaf and Hard-of-Hearing Scholars." 17 Nov. 2017. TS - typescript (typed). ~

**Keith Mousley, Associate Professor**

**Published Review:** Sun, Barbara. "Developing Deaf Students Fraction Skills Requires Understanding Magnitude and Whole Number Division." Rev. of Research work, by Keith Mousley and Ronald R. Kelly. *Journal of Education and Learning* 11 Dec. 2017: 1-9. Print. «

**Jason T Nordhaus, Assistant Professor**

**Invited Article/Publication:** Nordhaus, Jason. "Common Envelope Evolution: Implications for Post-AGB Stars and Planetary Nebulae." *International Astronomical Union Symposium: Planetary Nebulae as Multiwavelength Probes of Stellar Evolution*. (2017). Print. £

**Journal Paper:** Chen, Z., et al. "Wind-Accelerated Orbital Evolution In Binary Systems with Giant Stars." *Monthly Notices of the Royal Astronomical Society* 473. 1 (2017): 747-756. Web. £

**Published Conference Proceedings:** Chen, Z., et al. "Mass Transfer In Asymptotic-Giant-Branch Binary Systems." *Proceedings of the Planetary Nebulae: Multi-Wavelength Probes of Stellar and Galactic Evolution, Proceedings of the International Astronomical Union*. Ed. A. Karakas. Beijing, China: IAU, Web. £

**Published Conference Proceedings:** Marco, O. De, et al. "Post-Common Envelope PN, Fundamental or Irrelevant?" *Proceedings of the Planetary Nebulae: Multi-Wavelength Probes of Stellar and Galactic Evolution, Proceedings of the International Astronomical Union, IAU Symposium*. Ed. A. Karakas. Beijing, China: IAU, Web. £

**Published Conference Proceedings:** Nordhaus, J. "Common Envelope Evolution: Implications for Post-AGB Stars and Planetary Nebulae." *Proceedings of the Planetary Nebulae: Multi-Wavelength Probes of Stellar and Galactic Evolution, Proceedings of the International Astronomical Union*. Ed. A. Karakas. Beijing, China: IAU, Web. £

**Grants:** Nordhaus, J. (2017-2020). "Unveiling Hidden Companions In Post-AGB Stars: 3D Simulations of Evolved Star Binaries." Grant proposal submitted to Hubble Space Telescope, NASA. ≠

**Journal Paper:** Chen, Z., et al. "Mass Transfer and Disc Formation In AGB Binary Systems." *Monthly Notices of the Royal Astronomical Society* 468. 4 (2017): 4465-4477. Web. £

**Peer Reviewed/Juried Poster Presentation:** Kirschbaum, A. and J. Nordhaus. "Orbital Stability of the Hierarchical Triple System HIP 3678." Ed. AAS. Grapevine, Texas: AAS.

**Peer Reviewed/Juried Poster Presentation:** Aarnio, A., et al. "The AAS Working Group on Accessibility and Disability (WGAD): Year 1 Highlights." *Proceedings of the American Astronomical Society, AAS Meeting #229*. Ed. AAS. Grapevine, Texas: AAS.

**Invited Keynote/Presentation:** Nordhaus, J. "Gravitational Waves: A New Era in Astrophysics." *Science Teacher Association of New York State. STANYS*. Rochester, NY. 6 Nov. 2017. Keynote Speech.

**Grants:** Nordhaus, J. (2017-2020). Black holes inside giant stars: relativistic effects in common envelopes and associated multi-messenger signatures. Grant proposal submitted to Astronomy and Astrophysics Research Grants, National Science Foundation. ≠

**Uninvited Presentations:** Kirschbaum, A. and J. Nordhaus. "Orbital Stability of the Hierarchical Triple System HIP 3678." *NTID Student Research Conference. NTID/RIT*. Rochester, NY. 12 May 2017. Poster Session.

**Uninvited Presentations:** Perfect, C. and J. Nordhaus. "A Tertiary Formation Scenario for GW150914." NTID Student Research Symposium. NTID/RIT. Rochester, NY. 12 May 2017. Conference Presentation.

**Journal Paper:** Trussell, J., et al. "Morphology Instruction In The Science Classroom For Students Who Are Deaf: A Multiple Probe Across Content Analysis." Journal of Deaf Studies and Deaf Education. (2017): In press. Web. «

### Todd Pagano, Professor

**Book Chapter:** Pagano, Todd. "Making Education and Careers in Chemistry Accessible and Successful for Deaf and Hard-of-Hearing Students." "Diversity in the Chemistry Community." Ed. Donna Nelson and H.N. Cheng. Washington, DC: American Chemical Society, 2017. 1-5. Web. \*

**Journal Paper:** Harrison, Melissa M., et al. "Phenolic Content of Invasive and Non-Invasive Emergent Wetland Plants." Aquatic Botany 136. (2017): 146-154. Print. \*

**Journal Editor:** Pagano, Todd, ed. Journal of Science Education for Students with Disabilities. Rochester: Science Education for Students with Disabilities, 2017. Web. \*

#### External Scholarly Fellowships/National Review Committee:

11/1/2017 -

12/5/2017

U.S. Dept. of State's Bureau of Educational and Cultural Affairs

Amount: \$10000

£

**Invited Keynote/Presentation:** Pagano, Todd. "Outstanding Undergraduate Science Teacher Award Lecture: Maximizing Inclusivity in the Post-secondary Science Classroom." National Meeting of the National Science Teacher Association. National Science Teacher Association. Los Angeles, CA. 30 Mar. 2017. Keynote Speech. £

**Book Chapter:** Pagano, Todd. "On Giants' Shoulders: A Tradition of Excellence in Teaching." A Shining Beacon: 50 Years of the National Technical Institute for the Deaf. Ed. Pam Carmicheal. Rochester, NY: RIT Press, 2017. 135-145. Print.

**Uninvited Presentations:** Dominguez, Jonathan, et al. "Essential Oil Composition, Antioxidant Capacity, and Total Phenolic Content of *Eugenia samanensis* Alain, a Species Endemic to the Samana Peninsula, Dominican Republic." IX Congreso de la Biodiversidad Caribena. Congreso de la Biodiversidad Caribena. Santo Domingo, Dominican Republic. 1 Feb. 2017. Conference Presentation. £

**Uninvited Presentations:** Pagano, Todd, et al. "Characterization of Antioxidant Components in Wild Fruits Consumed by Migratory Birds using Multidimensional Fluorescence Spectroscopy and Chemometrics." Annual Meeting of the Wilson Ornithological Society. Wilson Ornithological Society. Fort Meyers, FL. 1 Mar. 2017. Conference Presentation. £

**Uninvited Presentations:** Cummings, Cody, et al. "Comparison of Methods for the Capture of e-Cigarette Emissions for the Determination of Constituents using Gas Chromatography-Mass Spectrometry." 253rd American Chemical Society National Meeting. American Chemical Society. San Francisco, CA. 1 Apr. 2017. Conference Presentation. £

**Uninvited Presentations:** Harrison, Melissa, et al. "Phenolic Content of Invasive and Non-Invasive Emergent Wetland Plants." New York State Wetlands Forum and Society of Wetland Scientists Joint Conference. New York State Wetlands Forum and Society of Wetland Scientists. Suffern, NY. 20 Apr. 2017. Conference Presentation. £

**Uninvited Presentations:** Cummings, Cody, et al. "Comparison of Methods for the Capture of e-Cigarette Emissions for the Determination of Constituents using Gas Chromatography-Mass Spectrometry." 62nd Annual Rochester American Chemical Society Undergraduate Research Symposium. Rochester Section of the American Chemical Society. Pittsford, NY. 14 Apr. 2017. Conference Presentation. £

**Uninvited Presentations:** Pagano, Susan Smith, et al. "An Integrated Investigation of Thrush Stopover Biology on the South Shore of Lake Ontario." Northeast Natural History Conference. Northeast Natural History. Cromwell, CT. 15 Apr. 2017. Conference Presentation. £

**Book Chapter:** Pagano, Todd and David Templeton. "From Roots to STEM: STEM Education at NTID." A Shining Beacon: 50 Years of the National Technical Institute for the Deaf. Ed. Pam Carmicheal. Rochester, NY: RIT Press, 2017. 149-161. Print.

**Book Chapter:** Pagano, Todd. "Making Education and Careers in Chemistry Accessible and Successful for Deaf and Hard-of-Hearing Students." Diversity in the Scientific Community. Washington, DC: American Chemical Society, 2017. 125-132. Print. \*

**Journal Paper:** Gerloff, Janice, et al. "Inflammatory Response by Different E-Cigarette Flavoring Chemicals Identified by GC-MS in e-Liquids and e-Vapors on Human Lung Epithelial Cells and Fibroblasts." Applied In Vitro Toxicology 3. 1 (2017): 28-40. Print. \*

**Journal Paper:** Harrison, Melissa, et al. "Variability in the Phenolic Content of Invasive and Non-Invasive Emergent Wetland Plants." Aquatic Botany 136. (2017): 146-154. Print. \*

#### **Annemarie Ross, Associate Professor**

**Dissertation/Thesis:** Ross, Annemarie D. "Examining Deaf Students' Equitable Access to Science vis-a-vis Contemporary Pedagogical Practices." Diss. State of New York-Buffalo, 2017. Print. ~

## **VISUAL COMMUNICATIONS STUDIES**

#### **David S Cohn, Associate Professor**

**Shows/Exhibits/Installations:** Cohn, David. "Behold...". 31 Jan. 2017. Image City Photography Gallery, Rochester. Exhibit. £

#### **Paula Grcevic, Professor**

**Shows/Exhibits/Installations:** Grcevic, Paula A. The Sketchbook Project World Tour: Little Things. 31 Mar. 2017. Brooklyn Art Library, Brooklyn. Exhibit. \*

**Shows/Exhibits/Installations:** Grcevic, Paula A. Red Onion and Shallots. 29 May 2017. Rochester Contemporary Art Center, Rochester. Exhibit.

**Shows/Exhibits/Installations:** Grcevic, Paula A. Indian Corn. 27 Jan. 2017. Dyer Arts Center, National Technical Institute for the Deaf, Rochester. Exhibit.

#### **Laural K Hartman, Lecturer**

**Shows/Exhibits/Installations:** Hartman, Laural. Transmigration of the Gold Plate. 1 Nov. 2017. Gallery R, Rochester. Installation.

**Shows/Exhibits/Installations:** Hartman, Laural. Postpartum No.1. Jan. 2017. Dyer Arts Center, Rochester. Exhibit.

**Invited Keynote/Presentation:** Hartman, Laural. "Dirtybeardpress." University of Rochester. Linguistic Department (American Sign Language). Rochester, NY. 21 Nov. 2017. Guest Lecture.

#### **Eric Kunsman, Lecturer**

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Digital Printing Technologies Boot Camp. Printing Applications Lab at RIT. Rochester, New York. 14 Mar. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Wide Format Inkjet Printing Technologies." Digital Printing Technologies Boot Camp. Printing Applications Lab at RIT. Rochester, New York. 15 Mar. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Paper, Packaging, Printing & Sustainability for Staples. Printing Applications Lab at RIT. Rochester, New York. 26 Apr. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Paper, Packaging, Printing & Sustainability for Staples. Printing Applications Lab at RIT. Rochester, New York. 23 May 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Paper, Packaging, Printing & Sustainability for Staples. Printing Applications Lab at RIT. Rochester, New York. 13 Jun. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Orientation to the Graphic Arts. Printing Applications Lab at RIT. Rochester, New York. 15 Aug. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Wide Format Printing Technologies." Orientation to the Graphic Arts. Printing Applications Lab at RIT. Rochester, New York. 17 Aug. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Printing Technologies." Digital Printing Boot Camp for UPM Paper. Printing Applications Lab at RIT. Rochester, New York. 7 Nov. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Press Technologies." Digital Printing Boot Camp for Ariva Paper. Printing Applications Lab at RIT. Rochester, New York. 15 Nov. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Color Management for Digital Technologies." Orientation to the Graphics Arts. Printing Applications Lab at RIT. Rochester, New York. 17 Aug. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Digital Printing Technologies." Printing Process ID and Image Analysis for Forensic Document Examiners. Printing Applications Lab at RIT. Rochester, New York. 17 Oct. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Traditional and Digital Printing Technologies." Flower City Printing Print Academy. Flower City Printing. Rochester, New York. 25 Apr. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Print Buyers Vs. Print Sellers." Flower City Printing Print Academy. Flower City Printing. Rochester, New York. 25 Apr. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Print Buyers Vs. Print Sellers." Flower City Printing Print Academy. Flower City Printing. Rochester, New York. 17 Oct. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric. "Traditional & Digital Printing Technologies." Flower City Printing Print Academy. Flower City Printing. Rochester, New York. 17 Oct. 2017. Lecture. ~

**Shows/Exhibits/Installations:** Kunsman, Eric T. Kodak Hawkeye Building from the series "Private | Now Back Go : Go Back | Private". 9 Apr. 2017. Allegany National Photography Competition and Exhibition, Cumberland. Installation. \*

**National/International Competition Award Winner:** Kunsman, Eric T. Allegany National Photography Competition and Exhibition. Honorable Mention Award for B and W Image for the "Kodak Hawkeye Building". Cumberland, MD, 2017. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... 26 Apr. 2017. SRO Photo Gallery, Texas Tech University, Lubbock, TX. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Kodak Hawkeye Building from the series "Private | Now Back Go : Go Back | Private". n.d. Allegany Arts Council's Saville Gallery, Cumberland, MD. Exhibit. \*



**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. The Blackboard Gallery, Channel Islands, Camarillo, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Reflections of an Oncoming Storm. n.d. The Atrium Gallery, Morristown, NJ. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. Barrett Art Center, Poughkeepsie, NY. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. Indiana University East, Whitewater Art Gallery, Richmond, Indiana. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... 25 Oct. 2017. The Center, Santa Fe Portfolio Reviews, Santa Fe, NM. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. Woodstock Photographic Arts Center, Woodstock, NY. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. NOS Citrus Fair Photography Contest, San Bernardino, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Bryce Canyon, UT. 20 Apr. 2017. Providence Center for Photographic Arts, Providence, RI. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. Larson Gallery, Yakima Valley College, Yakima, WA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... n.d. LA Artcore, Los Angeles, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Private | Now Back Go : Go Back | Private. n.d. Webster Arts, St. Louis, MO. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Private | Now Back Go : Go Back | Private. n.d. Colorado Photographic Arts Center, Denver, CO. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. "What Makes An Enduring Image?" Exhibition. 6 Oct. 2017. BRANNER SPANGENBERG GALLERY, Redwood City, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... 4 Nov. 2017. Center for Photographic Art, Carmel, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... 14 Oct. 2017. H Gallery + Studios, Ventura, CA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Private | Now Back Go : Go Back | Private. 30 Sep. 2017. Hew Hope Arts Center, New Hope, PA. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Thou Art..., Will Give... 19 Jun. 2017. Naples Art Association, Naples, FL. Exhibit. \*

**Shows/Exhibits/Installations:** Kunsman, Eric T. Private | Now Back Go : Go Back | Private. 3 Nov. 2017. Crayola Gallery, ArtsQuest, Banana Factory Arts Center, Bethlehem, PA. Exhibit. \*

**National/International Competition Award Winner:** Kunsman, Eric T. LA Artcore. 3rd place. Los Angeles, CA, 2017. \*

**National/International Competition Award Winner:** Kunsman, Eric T. Webster Arts. Honorable Mention. Webster Groves, MO, 2017. \*

**Invited Keynote/Presentation:** Kunsman, Eric T. "COLOR MANAGED WORKFLOW FOR DIGITAL PRINT." School of Photographic Arts & Sciences. Rochester Institute of Technology. Rochester, New York. 12 Jul. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric T. "The Art of the Fine Print." School of Photographic Arts & Sciences, Photo 1 class. School of Photographic Arts & Sciences. Rochester, NY. 4 Oct. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric T. "Thou Art..., Will Give..." Brown Bag Lecture Series. College of Imaging Arts & Sciences. Rochester, NY. 26 Apr. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric T. "History of Booksmart Studio." Frank Cost's class "The Experimental Book". School of Photographic Arts & Sciences. Rochester, NY. 4 Dec. 2017. Lecture. ~

**Invited Keynote/Presentation:** Kunsman, Eric T. "The Photo Book Structures." Imaging Systems Minor Students. School of Photographic Arts & Sciences. Rochester, NY. 17 Nov. 2017. Guest Lecture. ~

#### **Sidonie M Roepke, Professor**

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Black Holes. Jan. 2017. Dyer Arts Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Yipes! Stripes. Jan. 2017. Dyer Arts Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Seven-Eleven. Jan. 2017. Dyer Arts Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. W W. Jan. 2017. Dyer Arts Center, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Skaket. May 2017. Rochester Contemporary, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Something on a Ritz. Aug. 2017. William Harris Gallery, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Resolute. Oct. 2017. Mill Art Center & Gallery, Honeoye, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Wonder Windows. Oct. 2017. Big Arts Center, Sanibel, FL. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Lineation. Dec. 2017. Geisel Gallery at One Bausch and Lomb Place, Rochester, NY. Exhibit.

**Shows/Exhibits/Installations:** Roepke, Sidonie Merkel. Structured. Dec. 2017. Mill Art Center & Gallery, Honeoye, NY. Exhibit.

#### **Ernest J Roszkowski, Lecturer**

**Manufactured Product:** Roszkowski, Ernest and Audra Mikaliukas. NTID Diversity Group. T-shirt. Route 66. (2017).

**Dissertation/Thesis:** Roszkowski, Ernest. "Audi-alText." Diss. Rochester Institute of Technology, 2017. Print. \*

#### **Michael J Voelkl, Associate Professor**

**Shows/Exhibits/Installations:** Voelkl, Michael J. ADK Late Afternoon. 22 Jan. 2018. Eastern Kentucky University, Richmond, Kentucky. Exhibit. \*

#### **Andrea Zuchegno, Assistant Professor**

**Shows/Exhibits/Installations:** Zuchegno, Andrea. Deaf Aid Cathode. 1-24 Dec. 2017. The Studio Door - Artistry Through Deaf Eyes Exhibition: California, San Diego. Exhibit.

**Invited Keynote/Presentation:** Schley, Sara and Zuchegno, Andrea. "Accessible Instruction, Faculty Innovation, and Pedagogy." Day-long workshop at SOAR 2: Seeking Options to Add Rigor. Alabama School for the Deaf. Talladega, AL. 12 Jun. 2017. Conference Presentation.



## ACCOUNTING

### Sarah Geiss

**Journal Paper:** Yang, Rong, et al. "Corporate Risk Disclosure and Audit Fee: A Text Mining Approach." *European Accounting Review*. (2017): 1-12. Print. £

### Qian Song, Assistant Professor

**Journal Paper:** Chan, Siew, et al. "Decision Support System (DSS) Use and Decision Performance: DSS Motivation and its Antecedents." *Information and Management*. (2017): 934-947. Print. £

**Journal Paper:** Song, Qian, Siew Chan, and Arnold Wright. "The Efficacy of A Decision Support System in Enhancing Risk Assessment Performance." *Decision Sciences Journal*. (2017): 307-335. Print. £

### Ke-an Wu, Assistant Professor

**Journal Paper:** Yang, Rong, et al. "Corporate Risk Disclosure and Audit Fee: A Text Mining Approach." *European Accounting Review*. (2017): 1-12. Print. £

**Journal Paper:** Alhaj-Yaseen, Yaseen, Kean Wu, and Leslie Fletcher. "Accounting Standards and Earnings Quality – Evidence from U.S. ADRs." *Review of Pacific Basin Financial Markets and Policies*. (2017) Print. £

### Rong Yang, Associate Professor

**Journal Paper:** He, Lerong, Rong Yang, and Yuanlong He. "Does Social Exchange Relationship Impair Audit Committee Effectiveness?" *Journal of Management and Governance*. (2017): 1-31. Web. £

**Journal Paper:** Yang, Rong, et al. "Corporate Risk Disclosure and Audit Fee: A Text Mining Approach." *European Accounting Review*. (2017): 1-12. Web. £

**Journal Paper:** Aghazadeh, Sanaz, et al. "CEO Overconfidence and Cost of Equity." *Review of Quantitative Finance and Accounting*. (2017): 1-22. Print. £

**Invited Article/Publication:** Yang, Rong, I. Kim, and J. H. Kong. "Do Board Reforms Matter to Audit Pricing Decisions? A Global Evidence." 2017 AAA Annual Meeting. (2017). Print. £

**Invited Article/Publication:** Yang, Rong and Yang Yu. "Can Superior Sustainability Governance Improve Voluntary Corporate Social Responsibility Disclosure?" 2017 AAA Annual Meeting. (2017). Print. £

## DECISION SCIENCES

### Sarah Geiss

**Journal Paper:** Uysal, Murat P. and A. Erhan Mergen. "An Enterprise Architecture For Software Re-Engineering: A Model-Driven and Ontology-Based Approach," - in Turkish (Yazılım Yeniden Yapılamaya Yönelik Bir Kurumsal Mimari: Model Güdümlü ve Ontoloji Tabanlı Bir Yaklaşım)." *Journal of Science & Engineering (Fen ve Mühendislik Dergisi)* 19. 55.1 (2017): 24-42. Print. £

**Published Conference Proceedings:** Holmes, Donald S. and A. Erhan Mergen. "Process Capability Analysis for Variables with One-Sided Specification Limit and No Nominal Value." *Proceedings of the The 2017 Northeast Decision Sciences Institute Meeting Proceedings*. Springfield, MA: n.p., Web. £



**Published Conference Proceedings:** Uysal, Murat Pasa, A. Halici, and A. Erhan Mergen. "Re-Engineering Enterprise Architectures." Proceedings of the Federated Conference on Computer Science and Information Systems. Prague, Czech Republic: n.p., Web. £

**Full Length Book:** Stevenson, William. Operations Management. 13 ed. Rochester, NY: McGraw Hill, 2017. Print. £

#### A Erhan Mergen, Professor

**Journal Paper:** Mergen, A. Erhan and Murat P Uysal. "An Enterprise Architecture For Software Re-Engineering: A Model-Driven and Ontology-Based Approach (in Turkish)." Journal of Science and Engineering (Fen ve Muhendislik Dergisi) 19. 55.1 (special issue) (2107): 24-42. Print. \*

**Published Conference Proceedings:** Mergen, A. Erhan and Donald S Holmes. "Process Capability Analysis for Variables with One-Sided Specification Limit and No Nominal Value." Proceedings of the The 2017 Northeast Decision Sciences Institute Meeting Proceedings. Ed. Minoo Tehrani. Springfield, MA: n.p., 2017. Web. «

**Published Conference Proceedings:** Mergen, A. Erhan, Murat P Uysal, and A. Halici. "Re-Engineering Enterprise Architectures." Proceedings of the Proceedings of the Federated Conference on Computer Science and Information Systems. Ed. Aleksander Denisiuk. Prague, Czech Republic: n.p., 2017. Web. «

## ECONOMICS

#### Steven C Gold, Professor

**Journal Paper:** Gold, Steven. "Stock Market Algorithmic Trading: A Test of Bollinger Bands incorporating the Squeeze Effect and MACD Conditions." Journal of Applied Financial Research. (2017): 1-3. Print. £

**Journal Paper:** Gold, Steven and Joe Wolfe. "Game-based Predictors of Business School Retention and Persistence." Academy of Business Journal II. (2017): 18. Print. £

**Published Conference Proceedings:** Gold, Steven. "A Walk-Forward Test of Bollinger Bands incorporating the Squeeze Effect and MACD." Proceedings of the Academy of Business Research. Ed. NA. San Antonio, TX: n.p., 2017. Print. £

## FINANCE

#### Chun-keung Hoi, Professor

**Journal Paper:** Hasan, Iftekhar, et al. "Social Capital and Debt Contracting: Evidence from Bank Loans and Public Bonds." Journal of Financial and Quantitative Analysis 52. 3 (2017): 1017-1047. Print. £

**Journal Paper:** Hassan, Iftekhar, et al. "Does Social Capital Matter in Corporate Decisions? Evidence from Corporate Tax Avoidance." Journal of Accounting Research 55. 3 (2017): 629-668. Print. £

#### Zhijian Huang, Assistant Professor

**Journal Paper:** Deng, Shuyuan, et al. "The Interaction Between Microblog Sentiment and Stock Return: An Empirical Examination." MIS Quarterly. (2017): 1-67. Print. £

#### Archana Jain, Assistant Professor

**Journal Paper:** Jain, Archana, Chinmay Jain, and Christine X Jiang. "Algorithmic Trading and Fragmentation." Journal of Trading. (2017): 18-28. Print. £

**Journal Paper:** Jain, Archana and Chinmay Jain. "Hidden Liquidity on the U.S. Exchanges." Journal of Trading 12. 3 (2017): 30-36. Print. £

**Published Conference Proceedings:** Jain, Archana and Chinmay Jain. "Is Short Selling in OTC Stocks Informative?" Proceedings of the Financial Management Association Meeting. Boston, MA: n.p., 2017. Print. £

#### Ashok J Robin, Professor

**Journal Paper:** Robin, Ashok, Qiang Wu, and Hao Zhang. "Auditor Quality and Debt Covenants." Contemporary Accounting Research 34. (2017): 154-185. Web. £

# Featured Faculty

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Colleagues and students call him Stan. Stan's current research focus on the effects of social capital on corporations. In these endeavors, social capital refers to non-religious norms and social networks that exist in local geographical areas in which corporate headquarters are located. These research add to our understanding of how social influences affect corporations and bridge disciplines in social sciences including sociology, economics, finance, accounting, and management. Collectively, the research findings suggest that social norms and networks surrounding corporate headquarters exert influences that constrains corporate tax avoidance, promotes corporate social responsibility, and facilitates corporate debt contracting. One can find the resulting publications in the *Journal of Accounting Research*, the *Journal of Business Ethics*, and the *Journal of Financial and Quantitative Analysis*, respectively. Continuing with this inquiry, Stan and colleagues are exploring the effects of social capital on agency problems in corporations and on corporate innovation.

His other research focus on the causes and consequences of corporate tax avoidance. On one hand, Stan and colleagues find that irresponsible corporate culture encourages corporate tax avoidance. On the other hand, they find that corporate tax avoidance is costly to corporations because creditors demand higher interests when lending to firms with higher levels of tax avoidance. The resulting publications can be found in *The Accounting Review* and the *Journal of Financial Economics*, respectively. Marching on this path, Stan and colleagues are exploring the effects of state laws on corporate tax avoidance and the effects of tax avoidance on corporate directors.

## **Stan Hoi**

Assistant Professor  
RIT Saunders College of Business





### Konstantin Sokolov

**Journal Paper:** Brogaard, Jonathan, et al. "High-Frequency Trading and Extreme Price Movements." *Journal of Financial Economics*. (2017): 1-46. Print. £

**Published Conference Proceedings:** Sokolov, Konstantin and Andriy Shkilko. "Every Cloud Has a Silver Lining: Fast Trading, Microwave Connectivity and Trading Costs." *Proceedings of the Financial Management Association Meeting - FMA*. Boston, MA: n.p., 2017. Print. £

**Published Conference Proceedings:** Shkilko, Andriy and Konstantin Sokolov. "Every Cloud Has a Silver Lining: Fast Trading, Microwave Connectivity and Trading Costs." *Proceedings of the European Finance Association Annual Meeting*. Mannheim, Germany: n.p., 2017. Print. £

### Hao Zhang, Associate Professor

**Journal Paper:** Hsin-han, Carl and Hao Zhang. "Tournament Incentives and Firm Innovation." *Review of Finance*. (2017): 1-59. Print. £

**Journal Paper:** Robin, Ashok, Qiang Wu, and Hao Zhang. "Auditor Quality and Debt Covenants." *Contemporary Accounting Research* 34. 1 (2017): 154-185. Print. £

**Journal Paper:** Hassan, Iftekhar, et al. "Does Social Capital Matter in Corporate Decisions? Evidence from Corporate Tax Avoidance." *Journal of Accounting Research* 55. 3 (2017): 629-668. Print. £

## INTERNATIONAL BUSINESS

### Zhi Tang, Associate Professor

**Journal Paper:** Scully, Maureen, et al. "Mobilizing the Wealthy: Doing." *Business and Society*. (2017) Print. £

**Journal Paper:** Tang, Jintong, Zhi Tang, and B.J. Cowden. "Exploring the Relationship between Entrepreneurial Orientation, CEO Dual Values, and SME Performance in State-owned vs. Non-state-owned Enterprises in China." *Entrepreneurship Theory and Practice*. (2017): 883-908. Print. £

**Journal Paper:** Olabisi, Joy, et al. "Stakeholder Transformation Process: The Journey of an Indigenous Community." *Journal of Business Ethics*. (2017): NA. Print. £

**Journal Paper:** Tang, Zhi and Jintong Tang. "Stakeholder CSR Orientation Congruence, Entrepreneurial Orientation, and Environmental Performance of Chinese SMEs." *British Journal of Management*. (2017) Print. £

**Published Conference Proceedings:** Tang, Jintong and Zhi Tang. "Does it Pay to Bribe? The Influence of Firm Bribery Activity on Venture Disbanding." *Proceedings of the Academy of Management*. Atlanta, GA: n.p., 2017. Print. £

## MANAGEMENT

### Fernan R Cepero

**Journal Paper:** Cepero, Fernán R. "Hand to The Plow: Leveraging the Newcomer's Agrarian Competencies in Building Nutritional Capacity for Community Supported Agriculture." *Journal of Community Strengthening*. (2017): 7. Web.

### Clyde Hull, Associate Professor

**Journal Paper:** Luxmore, Stephen R., Clyde Eiríkur Hull, and Zhi Tang. "Institutional Determinants of Environmental Corporate Social Responsibility: Are Multinational Entities Taking Advantage of Weak Environmental Enforcement in Lower-Income Nations?" *Business and Society Review*. (2017): Forthcoming. Print. «

**Journal Paper:** Liu, Manlu, Clyde Hull, and Casey Hung. "Starting Open Source Collaborative Innovation: The Antecedents of Network Formation in Community Source." *Information Systems Journal* 27. 5 (2017): 643-670. Print. £

**Journal Paper:** Rothenberg, Sandra L., Clyde Eiríkur Hull, and Zhi Tang. "The Impact of Human Resource Management on Corporate Social Performance Strengths and Concerns." *Business and Society* 56. 3 (2017): 391-418. Print. £



**Journal Paper:** Luxmore, Stephen R., Clyde Hull, and Zhi Tang. "Institutional Determinants of Environmental Corporate Social Responsibility: Are Multinational Entities Taking Advantage of Weak Environmental Enforcement in Lower-Income Nations?" *Business and Society Review*. (2017) Print. £

**Published Conference Proceedings:** Russell, Jennifer, Clyde Eirikur Hull, and Monika Kukar-Kenney. "Consumer Response to Sustainable and Innovative Products." *Proceedings of the American Marketing Association*. San Francisco, CA: n.p., 2017. Print. £

**Published Conference Proceedings:** Kukar-Kinney, Monika and Jennifer Russell. "Evaluating Sustainability as a Core Competency: Consumer Response to Sustainable Products." *Proceedings of the Academy of Marketing Science*. Coronado Island, CA: NA, 2017. Print. £

#### Chih I Liu, Assistant Professor

**Published Conference Proceedings:** Yu, Yang, Ezekiel Leo, and Wenjing Duan. "Measuring Business Relatedness for Big Data Strategic Analysis: A Deep Learning Approach." *Proceedings of the INFORMS*. Houston, TX: n.p., 2017. Print. £

#### Joy Olabisi, Assistant Professor

**Journal Paper:** Olabisi, Joy, et al. "Stakeholder Transformation Process: The Journey of an Indigenous Community." *Journal of Business Ethics*. (2017): 1-21. Print. £

**Journal Paper:** Olabisi, Joy and E. Griffen-EL. "Breaking Boundaries: Exploring the Process of Intersective Market Activity of Immigrant Entrepreneurship in the Context of High Economic Inequality." *Journal of Management Studies*. (2017): 1-29. Print. £

**Published Conference Proceedings:** Brogaard, Jonathan and E. Griffen-EL. "Homegrown: The Importance of Cultural Origins in the Bricolage Activity of Immigrant Entrepreneurship." *Proceedings of the Academy of Management Annual Meeting*. Atlanta, GA: n.p., 2017. Print. £

**Published Conference Proceedings:** Olabisi, Joy and K. Lewis. "Conceptualizing Multilevel Transactive Memory Systems via Multiteam Networks." *Proceedings of the INGRoup*. St. Louis, MO: n.p., 2017. Print. £

#### Michael Palanski, Associate Professor

**Journal Paper:** Palanski, Michael, et al. "Multi-Domain Leadership: A Whole Person Approach to Leading in the Workplace...and Beyond." *Organizational Dynamics*. (2017) Print. £

**Journal Paper:** Hammond, Michelle, Rachel Clapp-Smith, and Michael Palanski. "Beyond (just) the Workplace: A Theory of Leadership Development Across Multiple Domains." *Academy of Management Review*. (2017): 481-498. Print. £

**Book Chapter:** Palanski, Michael. "Leadership Integrity." *Encyclopedia of Business and Professional Ethics*. : Springer, 2017. Print. ^

**Published Conference Proceedings:** Palanski, Michael, et al. "Leader Behavioral Integrity and Effectiveness: A Multi-Domain Investigation." *Proceedings of the European Association of Work and Organizational Psychology*. n.p., 2017. Print. £

#### Sandra Rothenberg, Professor

**Journal Paper:** Scully, Maureen, et al. "Mobilizing the Wealthy Doing "Privilege Work" and Challenging the Roots of Inequality." *Business and Society*. (2017): 1-39. Print. «

**Journal Paper:** Scully, Maureen, et al. "Mobilizing the Wealthy: Doing." *Business and Society*. (2017): 1-39. Print. £

#### William R Stromeyer, Assistant Professor

**Published Conference Proceedings:** Krachhardt, David, et al. "Bayesian Statistics: How to Conduct and Publish High-Quality Bayesian Studies." *Proceedings of the Academy of Management*. Atlanta, GA: n.p., 2017. Print. £

## MANAGEMENT INFORMATION SYSTEMS

### Quang N Bui, Assistant Professor

**Journal Paper:** Bui, Quang (Neo). "Evaluate Enterprise Architecture Frameworks Using Essential Elements." *Communications of the Association for Information Systems (AIS)* 41. 1 (2017): 121-149. Print. £

**Published Conference Proceedings:** Bui, Quang (Neo) and Matthew Levy. "Institutionalization of Contested Practices: A Case of Enterprise Architecture Implementation in a US State Government." *Proceedings of the Hawaii International Conference on System Sciences*. Honolulu, HI: n.p., Print. £

### Sean W Hansen, Associate Professor

**Journal Paper:** Marabelli, Marco, et al. "The Light and Dark Side of The Black Box: Sensor-Based Technology in the Automotive Industry." *Communications of the AIS*. (2017): 555-580. Web.

### Victor J Perotti, Professor

**Invited Keynote/Presentation:** Reynolds, Patrick, John Ettlie, and Victor J. Perotti. "First movers versus Followers in B-Corporations." *PDMA Research Symposium*. PMDA. Chicago, IL. 11 Nov. 2017. Conference Presentation. £

**Journal Paper:** Tuten, Tracy and Victor J. Perotti. "Lies, Brands, and Social Media." *Qualitative Market Research - An International Journal*. (2017) Web. £

### Bryan A Reinicke, Associate Professor

**Journal Paper:** Connolly, Amy J and Bryan Reinicke. "How to Teach Emotional Intelligence Skills in IT Project Management." *Information Systems Education Journal*. (2017): 4-16. Web. £

**Journal Paper:** Reinicke, Bryan, Jeffery Cummings, and Howard Kleinberg. "The Right to Digital Self Defense." *IEEE Computer*. July/August (2017): 68-71. Web. £

### Yang Yu, Assistant Professor

**Journal Paper:** Gan, Qiwei, et al. "A Text Mining and Multidimensional Sentiment Analysis of Online Restaurant Reviews." *Journal of Quality Assurance in Hospitality and Tourism*. (2017): 465-492. Web. £

**Journal Paper:** Safi, Roozmehr and Yang Yu. "Online Product Review as an Indicator of Users' Degree of Innovativeness and Product Adoption Time: A Longitudinal Analysis of Text Reviews." *European Journal of Information Systems*. (2017): 414-431. Web. £

**Journal Paper:** Yang, Rong, et al. "The Impact of Corporate Risk Disclosures on Audit Pricing and Opinion Decisions." *European Accounting Review*. (2017): 1-12. Web. £

**Published Conference Proceedings:** Wang, Xiao and Yang Yu. "Tweeting the United Nations' Conference of Parties on Climate Change in Paris (COP21): A Social Network Analysis." *Proceedings of the The 67th Annual Conference of the International Communication Association*. San Diego, CA: n.p., Web. £

## MARKETING

### Sorim Chung

**Published Conference Proceedings:** Chung, Sorim, Cecile K Cho, and Amitav Chakravarti. "It Feels Softer than How It Showed Online: Contrast Effects of Touch Screen Users." *Proceedings of the SCP*. Dallas, TX: n.p., 2017. Web. £

**Invited Keynote/Presentation:** Chung, Sorim, Cecile K Cho, and Amitav Chakravarti. "It Feels Softer than How It Showed Online: Contrast Effects of Touch Screen Users." *SCP*. SCP. Dallas, TX. 16 Feb. 2017. Conference Presentation. £

**Invited Keynote/Presentation:** Chung, Sorim. "Executive briefing: Multi-channel Shopping & Webrooming." *US Army NETCOM Command Strategy Group (CSG) Forum*. US Army. Sierra Vista, AZ. 22 Sep. 2017. Address. Δ

**Invited Keynote/Presentation:** Chung, Sorim. "Perception." 20/20 Research in Focus. 20/20 Research in Focus. Rochester, NY. 16 Nov. 2017. Conference Presentation. Δ

**Deborah Colton, Associate Professor**

**Journal Paper:** Colton, Deborah. "Antecedents of Consumer Attitudes Toward Co." Journal of Research in Interactive Marketing. (2017) Web. £

**Published Conference Proceedings:** Colton, Deborah. "Consumer Switching Intentions to Buy Groceries Online." Proceedings of the Society for Marketing Advances. West Palm Beach, FL: n.p., Print. £

**Vincent M Landers, Assistant Professor**

**Journal Paper:** Wolter, Jeremy S., et al. "Customer-Company Identification Transfer Across Service Alliances." Journal of Services Management. (2017): 98-119. Web. £

**Published Conference Proceedings:** Wolter, Jeremy S. and V. Myles Landers. "Customer-Company Identification Transfer Across Service Alliances." Proceedings of the AMA. Orlando, FL: n.p., Web. £

**Published Conference Proceedings:** Adams, Frank G., Colin B. Gabler, and V. Myles Landers. "Green Logistic Competency: A Resource Hierarchy View of Supply Chain Sustainability." Proceedings of the Academy of Marketing Science World Marketing Congress. Christchurch, New Zealand: n.p., Web. £

**Published Conference Proceedings:** Gabler, Colin B. and V. Myles Landers. "Juggling An Eco-Social Orientation: The Effects of Dueling Firm-Level Values on Frontline Employees." Proceedings of the Marketing and Public Policy Conference. Washington, DC: n.p., Web. £

**Published Conference Proceedings:** Adams, Frank G., V. Myles Landers, and Stephen France. "A New Application of Worst Case Resistance Testing." Proceedings of the INFORMS. Houston, TX: n.p., Web. £

**Emi Moriuchi**

**Journal Paper:** Moriuchi, Emi and Ikuo Takahashi. "Integrated Consumer Shopping Decision Model: A Japanese Online Supermarket Context." Journal of Marketing Channels. (2017): 146-156. Web. £

**Journal Paper:** Moriuchi, Emi and Paul R Jackson. "Role of Brand names and Product Types on Bicultural Consumers' Purchase Intentions." Journal of Consumer Marketing 34. 1 (2017): 53-65. Web. £

**Journal Paper:** Moriuchi, Emi and Christina Chung. "Young Americans' Ethnic Identity Toward Disaster Advertising: The Effects of Disaster Location and Message Types." International Journal of Nonprofit and Voluntary Sector Marketing. (2017): 1-12. Web. £

**Published Conference Proceedings:** Chung, Christina, et al. "Attitudes toward Star Ratings: Generational Differences among Indian Consumers. Society of Marketing Advances." Proceedings of the Society for Marketing Advances. Louisville, KY: n.p., Web. £

**Published Conference Proceedings:** Martin, Mary C, et al. "Empathy in Marketing Students." Proceedings of the Marketing Educator Association. San Diego, CA: n.p., Web. £

**Published Conference Proceedings:** Moriuchi, Emi and Gordon Carlson. "Say What?: The Role of Accent in Online Ads and its Impact on Consumers' Reactions toward Advertisements and Purchasing Intentions." Proceedings of the Society for Marketing Advances. Louisville, KY: n.p., Web. £

**Published Conference Proceedings:** Moriuchi, Emi. "Flipped Classroom and the Millennial Students." Proceedings of the Society for Marketing Advances. Louisville, KY: n.p., Web. £

**Published Conference Proceedings:** Martin, Mary C, et al. "Empathy in Marketing Students: Are We Missing the Boat in Marketing Education." Proceedings of the Marketing Management Association. Pittsburgh, PA: n.p., Web. £

**Book Chapter:** Moriuchi, Emi. "Japanese Consumer Behavior." Handbook of Japanese Management. New York, NY: Routledge, 2017. 239-250. Print. £

**Book Chapter:** Moriuchi, Emi. "Marketing Research." Handbook of Japanese Management. New York, NY: Routledge, 2017. 260-268. Print. £

### **Rajendran S Murthy, Associate Professor**

**Published Conference Proceedings:** Murthy, Rajendran S., John Ettlie, and Peter Gianiodis. "Acquiring Open Innovation." Proceedings of the 25th IPDMC: Innovation & Product Development Conference. Porto, Portugal: n.p., Print. £

**Published Conference Proceedings:** Murthy, Rajendran S., Monica A. Hodis, and Hemant C. Sashittal. "Mediated Voyuerism and Narcissistic Indulgence on Facebook." Proceedings of the Marketing Management Association Spring Conference. Grand Rapids, MI: n.p., Web. £

**Published Conference Proceedings:** Murthy, Rajendran S., Monica A. Hodis, and Hemant C. Sashittal. "Indulgence on Facebook: The Case of Narcissism and Voyeurism." Proceedings of the Society for Marketing Advances. Louisville, KY: n.p., Web. £

**Published Conference Proceedings:** Gianiodis, Peter, Rajendran S. Murthy, and John Ettlie. "Mergers & Acquisitions, R&D and Crowd Sourcing: Substitution or Complements?" Proceedings of the World Open Innovation Conference. San Francisco, CA: n.p., Web. £





## CENTER FOR MULTIDISCIPLINARY STUDIES

### Daniel W Worden, Visiting Assistant Professor

**Full Length Book:** Worden, Daniel. *The Comics of Joe Sacco: Journalism in a Visual World*. Paperback ed. Jackson, MS: University Press of Mississippi, 2017. Print. ~

**Book Chapter:** Worden, Daniel. "The Memoir in the Age of Neoliberal Individualism." *Neoliberalism and Contemporary Literary Culture*. Ed. Mitchum Huehls and Rachel Greenwald Smith. Baltimore, MD: Johns Hopkins University Press, 2017. 160-177. Print. ~

**Book Chapter:** Worden, Daniel. "Texas." *Fueling Culture: 101 Words for Energy and Environment*. Ed. Imre Szeman, Jennifer Wenzel, and Patricia Yaeger. New York, NY: Fordham University Press, 2017. 349-352. Print. ~

**Published Review:** Worden, Daniel. "Hillbilly Jesus, Take Me Home." Rev. of *Song of Paradise*, by Gary Panter. *Los Angeles Review of Books* 16 Sep. 2017: 1-40. Web. ~

**Published Review:** Worden, Daniel. Rev. of *Debates in the Digital Humanities 2016*, eds. Matthew K. Gold and Lauren F. Klein. *Afterimage* 2017: 31-32. Print. ~

**Published Review:** Worden, Daniel. "The Short Story in the Age of Tumblr." Rev. of *New Animals*, by Nick Francis Potter. *Los Angeles Review of Books* 12 Jan. 2017: 1-250. Web. ~

**Invited Keynote/Presentation:** Worden, Daniel. "The Legacy of Conquest in Comics: Texas History Movies, Jack Jackson, and Colonialism." Canadian Society for the Study of Comics Annual Conference. Canadian Society for the Study of Comics. Toronto, ON. 11 May 2017. Conference Presentation. Δ

**Invited Keynote/Presentation:** Worden, Daniel. "True Crime: The Documentary Aesthetics of Maggie Nelson and Taryn Simon." International Auto/Biography Association Chapter of the Americas Conference. York University. Toronto, ON. 16 May 2017. Conference Presentation. ~

**Invited Keynote/Presentation:** Worden, Daniel. "Genre Beauty: Pretty Deadly's Metaphysical Historicism." International Comic Arts Forum. University of Washington. Seattle, WA. 4 Nov. 2017. Conference Presentation. ~

**Published Review:** Worden, Daniel. Rev. of *Captivating Westerns: The Middle East in the American West*, by Susan Kollin. *American Literary History Online Review* Nov. 2017: 1-3. Web. ~



# Featured Faculty

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Daniel Worden studies media forms, like comic books, dime novels, and documentary, that blur traditional categories governing the study of literature and art. In his award-winning book, *Masculine Style: The American West and Literary Modernism*, he documents how the “cowboy masculinity” that emerged in 19th-century dime novel Westerns informed the development of American modernism, in works by writers such as Willa Cather, Ernest Hemingway, and John Steinbeck.

Daniel has also published three edited volumes that have allowed him to think more broadly about the field of American cultural studies. These three books, *The Comics of Joe Sacco*, *Oil Culture and Postmodern/Postwar—and After*, strive to solidify current shifts in multiple fields. *The Comics of Joe Sacco* presents a multidisciplinary approach to the comics journalism of one of the most acclaimed and political comics artists of our time. *Oil Culture* collects and articulates the central aims of “Oil Studies” in the humanities, as an outgrowth of and departure from ecocriticism and the environmental humanities. *Postmodern/Postwar—and After* definitively accounts for changes that are underway in the field of contemporary literary studies. All three projects share an interest in interrogating how art, literature, and culture relate to the material world. *Oil Culture* asks, for example, what cultural history would look like if it were periodized according to energy regimes: the age of coal, the age of American petroleum, the age of OPEC, the age of tar sands. *Postmodern/Postwar—and After* asks what contemporary literature looks like if we view postmodernism as just one aesthetic among many, rather than a catchall term for late 20th- and 21st-century literature. *The Comics of Joe Sacco* explores a major comics artist’s work, while also dwelling on how comics can represent historical events and serve as documentation of witness testimony and complex international conflicts in our contemporary moment.

At RIT, Daniel coordinates the Comics Studies Lecture Series in SOIS, and is developing new courses on the history of comics, documentary art, and American culture.

## **Daniel Worden**

Assistant Professor

RIT School of Individualized Study



