

## **2011 Faculty Scholarship Report**

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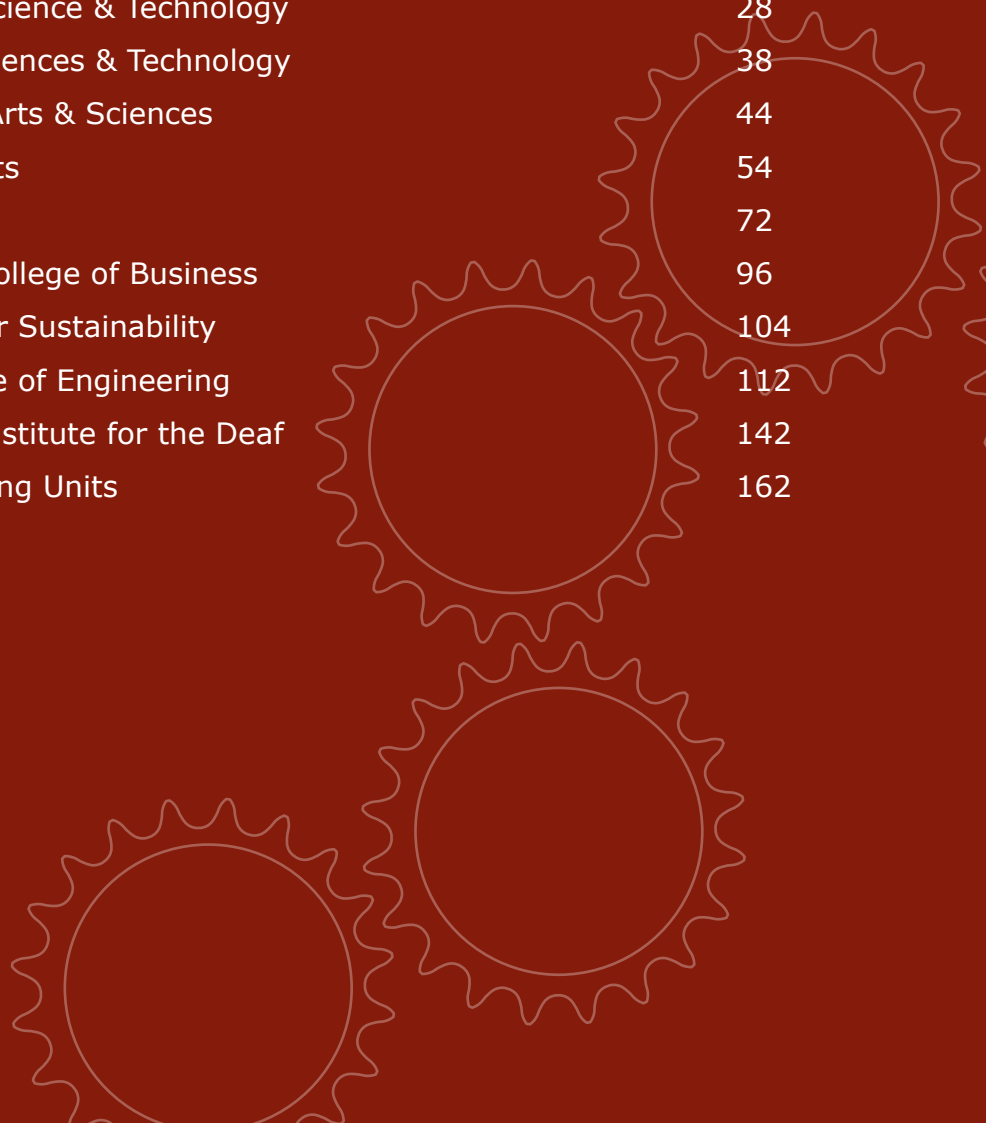
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## MESSAGE FROM THE

# PROVOST



RIT's faculty members are both teachers and scholars; this becomes clear when evaluating the large body of artistic accomplishments, articles published and research completed in 2011. These endeavors enrich the student-teacher relationship, showcase RIT's areas of excellence and address real-world challenges. In conferences, professional presentations, exhibits or scholarly publications, our teacher/scholars are having a meaningful impact on human welfare that goes beyond the walls of RIT.

Our cumulative body of scholarship achievements reflects the complex challenges facing our world today. Our teachers understand that in order to solve the most pressing issues facing our society, our brightest minds

must use a multi-disciplinary, collaborative approach. Our teacher/scholar model promotes experiential learning, setting the foundation for a lifetime of discovery, creation and innovation for both our students and our faculty.

RIT is widely recognized as a leader in the fields of deaf education, design, imaging science and sustainable manufacturing to name only a few. It is the work of the faculty that consistently upholds this reputation. Through the continued pursuit of excellence in scholarship, our faculty enrich and deepen our knowledge of these areas and the strength of all our academic programs. I am proud to present this report highlighting some of our noteworthy faculty scholarship achievements during 2011.

B. THOMAS GOLISANO COLLEGE OF

# COMPUTING & — INFORMATION SCIENCES

## Computer Science

### **Ivona Bezakova, Assistant Professor**

**Journal Paper:** Bezakova, Ivona, Nayantara Bhatnagar, and Dana Randall. "On the Diaconis-Gangolli Markov Chain for Sampling Contingency Tables with Cell-Bounded Entries." *Journal of Combinatorial Optimization* 22. (2011): 457-468. Print. \* £

**Journal Paper:** Xu, Ke, *et al.* "Path Lengths in Protein-Protein Interaction Networks and Biological Complexity." *Proteomics* 11. 10 (2011): 1857-1867. Print. \* £

### **Published Conference**

**Proceedings:** Mertzios, George B. and Ivona Bezakova. "Computing and Counting Longest Paths on Circular-Arc Graphs in Polynomial Time." *Proceedings of the Latin-American Algorithms, Graphs, and Optimization Symposium*. Ed. Javier Marenco and Mario Valencia-Pabon. Bariloche, Argentina: Electronic Notes in Discrete Mathematics 37: 219-224, 2011. Print. \* £

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

Bezakova, Ivona. "Contiguous Minimum Single-Source-Multi-Sink Cuts in Weighted Planar Graphs." *The 4th Eastern Great Lakes Theory of Computation Workshop (EAGL)*. State University of New York at Buffalo. SUNY Buffalo, Buffalo, NY. 11 Sep. 2011. Lecture.

### **Matthew Fluet, Assistant Professor**

**Journal Paper:** Fluet, Matthew, *et al.* "Implicitly-threaded Parallelism in Manticore." *The Journal of Functional Programming* 20. 5-6 (2011): 537-576. Print. \*

### **Published Conference**

**Proceedings:** Auhagen, Sven, *et al.* "Garbage Collection for Multicore NUMA Machines." *Proceedings of the 2011 ACM SIGPLAN Workshop on Memory Systems Performance and Correctness (MSPC '11; San Jose, CA; June 2011)*. Ed. Madanlal Musuvathi and Xipeng Shen. New York, NY: ACM Press, 2011. Print. \*

### **External Scholarly Fellowships:**

9/1/2011 -  
8/31/2014  
National Science Foundation  
Amount: \$412,261 \* ≠

(continued on page 8)

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#### **Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

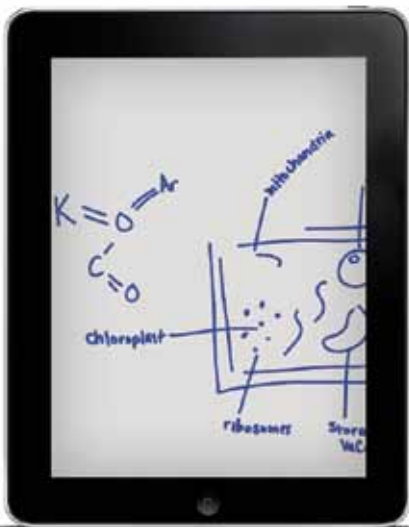
† RIT Student  
≠ External Funding



FACULTY SCHOLARSHIP: COLLEGE OF COMPUTING & INFORMATION SCIENCES

# Creating useful systems for visually-impaired students.

**STEPHANIE LUDI** IS AN ASSOCIATE PROFESSOR IN THE DEPARTMENT OF SOFTWARE ENGINEERING. HER RESEARCH INCLUDES SOFTWARE ENGINEERING EDUCATION, REQUIREMENTS ENGINEERING, TESTING AND HCI WITH A FOCUS ON DESIGN, EVALUATION AND ACCESSIBILITY.



Dr. Ludi leads the AccessLecture project, developing and testing a portable system that provides visually impaired students, at the secondary school and university level, with greater access to science and math material in and out of the classroom. The project utilizes commercially available hardware to provide a system where low vision students can view lecture material that is being written on the whiteboard at the appropriate level of zoom

and contrast. The system is iPad-based and it will enable students to also take notes during the lecture and to access the lecture and notes after class. The written/drawn lecture material is captured wirelessly by sensors in the whiteboard marker and eraser sleeves. The use of the stroke-based capture eliminates the issues with glare, room lighting, instructor position, and other obstacles that exist with a camera-based approach. This research will advance knowledge in accessible multi-touch user interface design and user interface design for low vision users. The project intends to increase access to math/science lecture material by low vision students. The low cost of the hardware will also enable the use of AccessLecture by students on a large scale. The project brings together students, parents and educators from various socio-economic back-

grounds in order to make the project as widely usable as possible to diverse students at the national level.

Dr. Ludi also leads Project ACE (Accessible Computing Education) and CS4ALL (Computer Science for All) which are both funded by the National Science Foundation. Project ACE includes workshops for middle and high school students who are visually impaired that teaches them programming concepts through Lego Mindstorm Programming. The tutorials and activities have been developed by Dr. Ludi, Prof. Tom Reichlmayr and students in Software Engineering and Computer Science. The CS4All project is a multi-institutional project that will use robotics and other programming platforms in a universally accessible set of tools and curriculum for pre-college students, including those with disabilities.





**Left page:** A representation of how lecture material is displayed on the iPad **Bottom left:** A sample Lego Mindstorms NXT robot used during Project ACE student workshops **Bottom right:** Visually impaired high school student programs a robot, with the aid of magnification software



**External Scholarly Fellowships:**

7/1/2008 -

6/30/2012

National Science Foundation

Amount: \$91,867 \* ≠

**Invited Presentations/Keynotes:**

Amsden, Edward. "Fairness for Transactional Events." *23rd Symposium on Implementation and Application of Functional Languages (IFL'11)*. University of Kansas. University of Kansas, Lawrence, KS. 5 Oct. 2011. Conference Presentation. £

**Joe Geigel, Associate Professor**

**Journal Paper:** Geigel, Joe, *et al.* "Adapting a Virtual World for Theatrical Performance." *IEEE Computer* 44. 12 (2011): 31-36. Print. \*

**Book Chapter:** Wang, Yuqiong and Joe Geigel. "Using Facial Emotional Signals for Communication Between Emotionally Expressive Avatars in Virtual Worlds." *Proceedings of the 4th International Conference on Affective Computing and Intelligent Interaction - Volume Part II (ACII'11)*. Ed. Sidney D'Mello, *et al.* Berlin, Heidelberg: Springer-Verlag, 2011. 297-304. Print. \*

**Book Chapter:** Geigel, Joe and Marla Schwegge. "Motion Capture for Real-time Control of Virtual Actors in Live, Distributed, Theatrical Performances." *Proceedings of Automatic Face & Gesture Recognition and Workshops (FG 2011), 2011 IEEE International Conference on Automatic Face*. Ed. A. Nijholt and R. Poppe. Santa Barbara, CA: IEEE, 2011. 774-779. Print. \*

**Journal Paper:** Schwegge, Marla and Joe Geigel. "Live Theater on a Virtual Stage: Incorporating Soft Skills and Teamwork in Computer Graphics Education." *IEEE Computer Graphics and Applications* 31. 1 (2011): 85-89. Print. \*

**Journal Paper:** Geigel, Joe. "Teaching Animation in a Virtual Space: The Use of Second Life as an Extended Approach for Teaching Computer Graphics Courses On-line." *Journal of Virtual Worlds and Education* 1. 1 (2011): 37-62. Web. \*

**Edith Hemaspaandra, Professor**

**Journal Paper:** Faliszewski, P., *et al.* "The Shield that Never Was: Societies with Single-Peaked Preferences Are More Open to Manipulation and Control." *Information and Computation* 209. 2 (2011): 89-107. Print. \*

**Journal Paper:** Faliszewski, P., E. Hemaspaandra, and L. Hemaspaandra. "Multimode Control Attacks on Elections." *Journal of Artificial Intelligence Research* 40. (2011): 305-351. Print. \*

**Published Conference**

**Proceedings:** Hemaspaandra, E. and H. Schnoor. "A Universally Defined Undecidable Unimodal Logic." *Proceedings of the 36th International Symposium on Mathematical Foundations of Computer Science (MFCS 2011)*. Ed. Murlak and Sankowski. Berlin: Springer, 2011. Print. \*



**Published Conference**

**Proceedings:** Hemaspaandra, E. and H. Schnoor. "Minimization for Generalized Boolean Formulas." *Proceedings of the Twenty-Second International Joint Conference on Artificial Intelligence (IJCAI 2011)*. Ed. Toby Walsh. Menlo Park, CA: AAAI Press, 2011. Web. «

**Published Conference**

**Proceedings:** Faliszewski, P., E. Hemaspaandra, and L. Hemaspaandra. "The Complexity of Manipulative Attacks in Nearly Single-Peaked Electorates." *Proceedings of the Theoretical Aspects of Rationality and Knowledge (TARK XIII)*. Ed. Apt. Groningen: ACM, 2011. Web. \*

**Journal Editor:** Hemaspaandra, E., ed. *Electronic Commerce Research*. Berlin: Springer, 2011. Print. \*

**Journal Editor:** Hemaspaandra, E., ed. *Journal of Universal Computer Science*. Graz: n.p., 2011. Web. \*

**External Scholarly Fellowships:**

8/1/2011 -  
7/31/2014  
NSF  
Amount: \$249,264 ≠

**External Scholarly Fellowships:**

1/1/2007 -  
12/31/2012  
Humboldt Foundation  
Amount: 50,000 euros ≠

**External Scholarly Fellowships:**

7/1/2007 -  
6/30/2011  
NSF  
Amount: \$214,445 ≠

**Minseok Kwon, Associate Professor****Published Conference**

**Proceedings:** Romanowski, Carol J., Rajendra K. Raj, and Minseok Kwon. "Work-In-Progress: An Immersion Course Concentration in Mobile Web Computing." *Proceedings of the Frontiers in Education (FIE)*. Ed. IEEE. Rapid City, SD: n.p., 2011. Print. \* £

**Stanislaw Radziszowski, Professor**

**Journal Paper:** Radziszowski, Stanislaw. "Small Ramsey Numbers." *Electronic Journal of Combinatorics, Dynamic Surveys DS1*. Revision 13 (2011): 1-84. Web. £

**Journal Paper:** Xu, Xiaodong, Zehui Shao, and Stanislaw Radziszowski. "More Constructive Lower Bounds on Classical Ramsey Numbers." *SIAM Journal on Discrete Mathematics* 25. (2011): 394-400. Print. £

**Journal Paper:** Rivshin, David and Stanislaw Radziszowski. "Multi-Vertex Deletion Graph Reconstruction Numbers." *Journal of Combinatorial Mathematics and Combinatorial Computing* 78. (2011): 303-321. Print. £

**Journal Paper:** Lathrop, Joel and Stanislaw Radziszowski. "Computing the Folkman Number  $F_v(2,2,2,2,2;4)$ ." *Journal of Combinatorial Mathematics and Combinatorial Computing* 78. (2011): 119-128. Print. £

**Journal Paper:** Black, Kevin, Daniel Leven, and Stanislaw Radziszowski. "New Bounds on Some Ramsey Numbers." *Journal of Combinatorial Mathematics and Combinatorial Computing* 78. (2011): 213-222. Print. £

### **Published Conference**

**Proceedings:** Bobrov, Maksim, *et al.* "Effects of GPU and CPU Loads on Performance of CUDA Applications." *Proceedings of the Parallel and Distributed Processing Techniques and Applications, Las Vegas, NV*. Ed. Hamid R. Arabnia. Las Vegas: CSREA Press, 2011. Print. ~

**Book Chapter:** Radziszowski, Stanislaw. "Ramsey Numbers Involving Cycles." *Ramsey Theory: Yesterday, Today and Tomorrow*. Ed. Alexander Soifer. NY: Springer-Birkhauser, 2011. 41-62. Print. Δ £

**Book Chapter:** Radziszowski, Stanislaw. "Some Ramsey Problems Involving Triangles - Computational Approach." *Ramsey Theory: Yesterday, Today and Tomorrow*. Ed. Alexander Soifer. NY: Springer-Birkhauser, 2011. 185-188. Print. £

### **Rajendra Raj, Professor**

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

Raj, Rajendra K., *et al.* "Panel: Robust Information Sharing Among Critical Infrastructure Stakeholders." *Fifth Annual International Conference on Critical Infrastructure Protection*. International Federation for Information Processing (IFIP) Working Group 11.10. Dartmouth College, Hanover, NH. 24 Mar. 2011. Conference Presentation. £

### **Published Conference**

**Proceedings:** Bailey, Reynold J., *et al.* "On Providing Successful Research Experiences for Undergraduates." *Proceedings of the 41st ASEE/IEEE Frontiers in Education Conference (FIE 2011)*. Ed. Stuart Kellogg and Jennifer Karlin. Rapid City, SD: IEEE, 2011. Print. \*

### **Published Conference**

**Proceedings:** Romanowski, Carol J., Rajendra K. Raj, and S. Manian Ramkumar. "Successful Practices for Online Computing, Engineering, and Technology Courses." *Proceedings of the 41st ASEE/IEEE Frontiers in Education Conference (FIE 2011)*. Ed. Stuart Kellogg and Jennifer Karlin. Rapid City, SD: IEEE, 2011. Print. \*

### **Published Conference**

**Proceedings:** Romanowski, Carol J., Rajendra K. Raj, and Minseok Kwon. "WIP: An Immersion Course Sequence in Mobile Web Computing." *Proceedings of the 41st ASEE/IEEE Frontiers in Education Conference (FIE 2011)*. Ed. Stuart Kellogg and Jennifer Karlin. Rapid City, SD: IEEE, 2011. Print. \*

### **Published Conference**

**Proceedings:** Howles, Trudy M., *et al.* "A Holistic, Modular Approach to Infuse Cyber Security into Undergraduate Degree Programs." *Proceedings of the 6th Annual Symposium on Information Assurance (ASIA '11), Academic Track of 14th Annual NYS Cyber Security Conference*. Ed. Sanjay Goel. Albany, NY: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Raj, Rajendra K., et al. "Cyber Security as General Education." *Proceedings of the 15th Colloquium for Information Systems Security Education (CISSE)*,. Ed. Mark Hufe and Ronald Dodge. Fairborn, OH: n.p., 2011. Print. «

### **Leonid Reznik, Professor**

**Journal Paper:** Yampolskiy, Roman V., et al. "Resource Awareness in Computational Intelligence." *International Journal of Advanced Intelligence Paradigms* 3. 3/4 (2011): 305-322. Print. « £ †

**Journal Paper:** Timms, G. P., et al. "Automated Data Quality Assessment of Marine Sensors." *Sensors* 10. 11 (2011): 9589-9602. Print. « £

**Journal Paper:** Reznik, Leon, Greg Von Pless, and Tayeb Al Karim. "Distributed Neural Networks for Signal Change Detection: On the Way to Cognition in Sensor Networks." *IEEE Sensors Journal* 11. 3 (2011): 791-798. Print. « £ †

### **Published Conference**

**Proceedings:** Reznik, Leon, et al. "Security of Computer Use Practice: The Case of Ordinary Users Survey." *Proceedings of the 6th Annual Symposium on Information Assurance (ASIA 11), Albany, NY, June 7-8, 2011*. Ed. Sanjay Goel. Albany, NY: n.p., 2011. Print. \* £

### **Richard Zanibbi, Assistant Professor**

**Journal Paper:** Heliotis, James and Richard Zanibbi. "Moving Away from Programming and Towards Computer Science in the CS First Year." *Journal of Computing Sciences in Colleges* 26. 3 (2011): 115-125. Print. \*

**Journal Paper:** Zanibbi, Richard and Dorothea Blostein. "Recognition and Retrieval of Mathematical Expressions." *International Journal on Document Analysis and Recognition*. (2011): 1-28. Web. \*

### **Published Conference**

**Proceedings:** Hu, Lei and Richard Zanibbi. "HMM-Based Recognition of Online Handwritten Mathematical Symbols Using Segmental K-means Initialization and a Modified Pen-up/down Feature." *Proceedings of the International Conference on Document Analysis and Recognition*. Ed. Chew Lin Tan, Daniel Lopresti, and Thomas Breuel. Beijing, China: IEEE Computer Society, 2011. Print. \*

### **Published Conference**

**Proceedings:** Zanibbi, Richard and Li Yu. "Math Spotting: Retrieving Math in Technical Documents Using Handwritten Query Images." *Proceedings of the International Conference on Document Analysis and Recognition*. Ed. Chew Lin Tan, Daniel Lopresti, and Thomas Breuel. Beijing, China: IEEE Computer Society, 2011. Print. \*

**Published Conference**

**Proceedings:** Zanibbi, Richard, *et al.* "Stroke-Based Performance Metrics for Handwritten Mathematical Expressions." *Proceedings of the International Conference on Document Analysis and Recognition*. Ed. Chew Lin Tan, Daniel Lopresti, and Thomas Breuel. Beijing, China: IEEE Computer Society, 2011. Print. \*

**Published Conference**

**Proceedings:** Zanibbi, Richard and Bo Yuan. "Keyword and Image-Based Retrieval for Mathematical Expressions." *Proceedings of the Document Recognition and Retrieval XVIII*. Ed. Gady Agam and Christian Viard-Gaudin. San Francisco, CA: SPIE, 2011. Print. \*

## Information Sciences and Technologies

**Deborah Gears, Associate Professor**

**Journal Paper:** Gears, Deborah A. "Corporate Wikis Underground: An Investigation of Motivation and Collaborative Engagement." *Journal of Management and Marketing Research* 9. (2011): 1-20. Print. \*

**Full Length Book:** Gears, Deborah A. *Wiki Behavior in the Workplace: Emotional Aspects of Content Development*. 1st ed. Ann Arbor, MI: UMI Dissertation Publishing, 2011. Print. ~

**Edward Holden, Associate Professor****Published Conference**

**Proceedings:** Holden, Edward P., *et al.* "Databases in the Cloud: a Status Report." *Proceedings of the SIGITE 2011 Conference on IT Education, October 20-22, 2011, West Point, NY*. Ed. ACM SIGITE. New York, NY: ACM, 2011. Web. \*

**Evelyn Rozanski, Professor****Published Conference**

**Proceedings:** Yacci, Michael and Evelyn Rozanski. "Lookup or Learn: A Grounded Theory Approach to the Student-Task." *Proceedings of the 9th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2011, July 19-22, 2011, Orlando, FL*. Ed. International Institute of Informatics and Systemics. USA: *n.p.*, 2011. Web. \*

**Brian Tomaszewski, Assistant Professor**

**Journal Paper:** Tomaszewski, Brian, *et al.* "Supporting Geographically-aware Web Document Foraging and Sensemaking." *Computers, Environment and Urban Systems* 35. 3 (2011): 192-201. Print. \*

**Journal Paper:** Tomaszewski, Brian and M. E. Smith. "Politics, Territory and Historical Change in Postclassic Matlatzinco (Toluca Valley, Central Mexico)." *Journal of Historical Geography* 37. 1 (2011): 22-39. Print. \*

**Journal Paper:** Tomaszewski, Brian. "Situation Awareness and Virtual Globes: Applications for Disaster Management." *Computers and Geosciences* 37. 1 (2011): 86-92. Print. \*

**Invited Presentations/Keynotes:**

Tomaszewski, Brian. "A Visual Analytics Approach to Identifying Vulnerabilities Created by Global Shocks as Revealed by Natural Disaster Impacts." *University of Buffalo Department of Geography Colloquium Series*. University of Buffalo Department of Geography. University of Buffalo North Campus, Buffalo, NY. 14 Oct. 2011. Lecture. ~

**Invited Presentations/Keynotes:**

Tomaszewski, Brian. "A Visual Analytics Approach to Understanding Poverty Assessment through Disaster Impacts in Latin America and Africa." *Towards a Real-Time Understanding of Emerging Vulnerability*. United Nations Global Pulse. UNICEF Headquarters, New York, NY. 14 Jul. 2011. Conference Presentation. ~

**Shows/Exhibits/Installations:**

Tomaszewski, Brian. *Visual Analysis of Global Shocks*. 14 Nov. 2011. 3rd International Conference of Crisis Mappers, Geneva, Switzerland. Exhibit. ~

**Journal Editor:** Tomaszewski, Brian, ed. *Future Internet: Special Issue Geovisual Analytics*. Basel, Switzerland: Multidisciplinary Digital Publishing Institute (MDPI), 2011. Web. «

**Elissa Weeden, Associate Professor****Invited Presentations/Keynotes:**

Weeden, Elissa. "How Accessible Are Open Education Websites?" *International Conference of Education, Research and Innovation (iCERI 2011)*. International Association for Technology, Education and Development. Melia Castilla Madrid, Madrid, Spain. 14-16 Nov. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Weeden, Elissa. "Supplemental Instruction: Proactive Versus Reactive Implementations." *International Conference of Education, Research and Innovation (iCERI 2011)*. International Association for Technology, Education and Development. Melia Castilla Madrid, Madrid, Spain. 14-16 Nov. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Weeden, Elissa. "Video Captioning Solutions for E-Learning Instructors." *New Learning Technologies 2011*. Society for Applied Learning Technology. Caribe Royale Orlando Hotel, Orlando, Florida. 23-25 Feb. 2011. Conference Presentation. £

**Michael Yacci, Professor****Published Conference**

**Proceedings:** Yacci, Michael and Evelyn Rozanski. "Lookup or Learn: A Grounded Theory Approach to the Student-Task." *Proceedings of the 9th International Conference on Education and Information Systems, Technologies and Applications: EISTA 2011, July 19-22, 2011*. Ed. Nagib Callaos and Andres Tremante. Orlando, FL: *n.p.*, Web. «

**Published Conference**

**Proceedings:** Yacci, Michael and Mark Marcello. "Personification and Practical Dialogues in a Kiosk Agent." *Proceedings of the Ed-Media: World Conference on Educational Multimedia, Hypermedia, and Telecommunications*. Ed. Jan Herrington. Toronto, Canada: AACE, Print. «



### Qi Yu, Assistant Professor

**Journal Paper:** Bouguettaya, Athman, *et al.* "Service-Centric Framework for a Digital Government Application." *IEEE Transactions on Services Computing (TSC)* 4. 1 (2011): 3-16. Print. \*

**Journal Paper:** Xu, Kai, *et al.* "Web Service Management System for Bioinformatics Research: A Case Study." *Service Oriented Computing and Applications* 5. 1 (2011): 1-15. Print. \*

**Journal Paper:** Liu, Xumin, *et al.* "Efficient Change Management in Long-Term Composed Services." *Service Oriented Computing and Applications* 5. 2 (2011): 87-103. Print. \*

### Published Conference

**Proceedings:** Yu, Qi. "Place Semantics into Context: Service Community Discovery from the WSDL Corpus." *Proceedings of the Service-Oriented Computing - 9th International Conference, ICSOC 2011*. Ed. Gerti Kappel, Zakaria Maamar, and Hamid R. Motahari-Nezhad. Germany: Springer, Print. \*

### Published Conference

**Proceedings:** Knight, Andrew, Qi Yu, and Manjeet Rege. "Efficient Range Query Processing on Uncertain Data." *Proceedings of the IEEE International Conference on Information Reuse and Integration, IRI 2011*. Ed. Reda Alhajj, James B. D. Joshi, and Mei-Ling Shyu. Las Vegas, Nevada: *n.p.*, Web. \*

### Steve Zilora, Associate Professor

#### Published Conference

**Proceedings:** Zilora, Stephen J. "Informatics Minor for Non-Computer Students." *Proceedings of the ACM SIGITE '11 West Point, NY, October 2011*. Ed. Unknown. Unknown: Association for Computing Machinery, Inc., 2011. Print. «

#### Published Conference

**Proceedings:** Zilora, Stephen J. "STEM Collaboration Cubed." *Proceedings of the 41st ASEE/IEEE Frontiers in Education Conference*. Ed. Unknown. Unknown: Institute of Electrical and Electronics Engineers, Print. «

#### Published Conference

**Proceedings:** Zilora, Stephen J. "STEM Integration with Informatics." *Proceedings of the Integrated STEM Education Conference*. Ed. unknown. Ewing, NJ: Institute of Electrical and Electronics Engineers, 2011. Print. «

### Networking, Security, and Systems Administration

### Bruce Hartpence, Associate Professor

#### Published Conference

**Proceedings:** Hartpence, Bruce. "Wegmans and RIT: A Case Study in Industrial/Academic Collaboration and the Resulting Benefits." *Proceedings of the EISTA*. Ed. Nagib Callaos. Orlando, FL: IIIS, 2011. Print. \*

**Full Length Book:** Hartpence, Bruce. *Packet Guide to Core Network Protocols*. 1st ed. Sebastopol, CA: O'Reilly Media, 2011. Print. ^

**Full Length Book:** Hartpence, Bruce. *Packet Guide to Routing and Switching*. 1st ed. Sebastopol, CA: O'Reilly Media, 2011. Print. ^

**Sharon Mason, Associate Professor**

**Published Conference**

**Proceedings:** Bailey, M., et al. "Establishing the Foundation for Future Organizational Reform and Transformation at a Large Private University to Expand the Representation of Women Faculty." *Proceedings of the American Society for Engineering Education Annual Conference & Exposition*. Ed. American Society for Engineering Education Annual Conference & Exposition. Vancouver, BC: n.p., 2011. Print. \*

**Sumita Mishra, Assistant Professor**

**Book Chapter:** Mishra, Sumita.

"Wireless Sensor Networks: Emerging Applications and Security Solutions." *Network Security, Administration and Management: Advancing Technologies and Practices*. Ed. D. Kar & M. Syed. Hershey, PA: IGI Global, 2011. 217-236. Print. \*

**Book Chapter:** Pan, Yin, Bo Yuan, and Sumita Mishra. "Network Security Auditing." *Network Security, Administration and Management: Advancing Technologies and Practices*. Ed. D. Kar & M. Syed. Hershey, PA: IGI Global, 2011. 131-157. Print. \*

**Published Conference**

**Proceedings:** Raj, Rajendra, Sumita Mishra, Carol Romanowski, and Trudy Howles. "CyberSecurity as General Education." *Proceedings of the 15th Colloquium for Information Systems Security Education, June 13-15, 2011*. Ed. CISSE. Fairborn, OH: 10 -15, Print. <

**Published Conference**

**Proceedings:** Polatcan, Onur, Sumita Mishra, and Yin Pan. "E-mail Behavior Profiling Based on Attachment Type and Language." *Proceedings of the Annual Symposium on Information Assurance (ASIA), June 7-8 2011*. Ed. Sanjay Goel. Albany, NY: 6-10, Print. <

**Published Conference**

**Proceedings:** Pearson, David, Sumita Mishra, and Yin Pan. "Dynamic Threat-resistant Node Identification in Sensor Networks." *Proceedings of the International Conference on Security and Management in 2011 World Congress in Computer Science, Computer Engineering and Applied Computing (WORLDCOMP)*. Ed. SAM 2011. Las Vegas, NV: n.p., 2011. Print. \*

**Published Conference**

**Proceedings:** Howles, Trudy, Carol Romanowski, Sumita Mishra, and Rajendra Raj. "A Holistic, Modular Approach to Infuse CyberSecurity into Undergraduate Computing Degree Programs." *Proceedings of the Annual Symposium on Information Assurance (ASIA), June 7-8 2011*. Ed. S. Goel. Albany, NY: 67-70, Print. <

**Tae Oh, Associate Professor**

**Journal Paper:** Oh, Tae, et al. "Security Management Protocols and their Applications in Wireless Sensor Networks for Healthcare." *International Journal of Mobile Communications*. (2011): 187-207. Print. <

**Published Conference**

**Proceedings:** Sajan, Susan and Tae Oh. "Simulation and Performance Evaluation in Neighborhood Area Network for Smart Grid Using Zigbee." *Proceedings of the OPNETWORK 2011*. Ed. OPNET. OPNET: *n.p.*, Print. \*

**Published Conference**

**Proceedings:** Oh, Tae, Young Choi, and Rajath Chouta. "RFID & Supply Chain Management: Generic and Military Applications." *Proceedings of the Future Generation Communication and Networking 2011*. Ed. SCIE. Jeju Island, Korea: *n.p.*, Print. \*

**Published Conference**

**Proceedings:** Tang, Emma, *et al.* "Effect of Web Caching on Load Time." *Proceedings of the AHLIST 2011*. Ed. Association of HLST. Houston, TX: *n.p.*, Web. \* «

**Published Conference**

**Proceedings:** Choi, Young, Yong Choe, and Tae Oh. "Future Direction for a Next Generation Web." *Proceedings of the AHLIST 2011*. Ed. Association of HLST. Houston, TX: *n.p.*, Print. «

**Published Conference**

**Proceedings:** Lim, Shinyoung, Tae Oh, and Young Choe. "Assistive Technology for the People with Disabilities to Enhance Accessibility of Emergency Communications." *Proceedings of the UKC 2011*. Ed. UKC 2011. Salt Lake City, Utah: *n.p.*, 2011. Print. \* «

**Book Chapter:** Choi, Young, Tae Oh, and Rajath Chouta. "RFID Implementation and Security Issues." *Lecture Notes in Computer Science*. Boca Raton, FL: Springer-Verlag Berlin Heidelberg, 2011. 236-249. Print. Δ

**Yin Pan, Associate Professor**

**Book Chapter:** Pan, Yin, Bo Yuan, and Sumita Mishra. "Network Security Auditing." *Network Security, Administration and Management: Advancing Technologies and Practices*. Ed. Dulal Chandra Kar and Mahbubur Rahman Syed. Hershey, PA: IGI Global, 2011. 131-157. Print. «

**Published Conference**

**Proceedings:** Polatcan, Onur, Sumita Mishra, and Yin Pan. "Invisible Witness Tool for Email Behavior Profiling." *Proceedings of the 6th Annual Symposium on Information Assurance (ASIA '11), June, 2011, Albany, NY*. Ed. ASIA '11. USA: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Pearson, David, Sumita Mishra, and Yin Pan. "Dynamic Treat-resistant Node Identification in Sensor Networks." *Proceedings of the Cyber Security Education - 2011 International Conference on Security & Management World Congress in Computer Science, July, 2011, Las Vegas, NV*. Ed. unknown. Las Vegas, NV: *n.p.*, 2011. Print. \*

**Bill Stackpole, Associate Professor****Published Conference**

**Proceedings:** Levinson, Alex, Bill Stackpole, and Daryl Johnson. "Third Party Application Forensics on Apple Mobile Devices." *Proceedings of the Hawaii International Conference on System Sciences*. Ed. Ralph H. Sprague, Jr. Kauai, HI: *n.p.*, 2011. Print. \*

**Bo Yuan, Associate Professor**

**Published Conference**

**Proceedings:** Huba, William, *et al.* "A HTTP Cookie Covert Channel." *Proceedings of the SIN '11 4th International Conference on Security of Information and Networks, 14-19 November 2011, Sydney, Australia*. Ed. Mehmet A. Orgun, *et al.* New York, NY: ACM, 2011. Print. «

**Published Conference**

**Proceedings:** Zanibbi, Richard and Bo Yuan. "Keyword and Image-based Retrieval for Mathematical Expressions." *Proceedings of the Document Recognition and Retrieval XVIII*. Ed. Gady Agam and Christian Viard-Gaudin. San Francisco, CA: SPIE, 2011. Print. «

**Book Chapter:** Pan, Yin, Bo Yuan, and Sumita Mishra. "Network Security Auditing." *Network Security, Administration and Management: Advancing Technology and Practice*. Ed. Dulal Chandra Kar and Mahbubur Rahman Syed. Hershey: IGI Global, 2011. 131-157. Print. \*

PhD Program

**Justin Domke, Assistant Professor**

**Journal Paper:** Domke, Justin. "Dual Decomposition for Marginal Inference." *Proceedings of the AAAI-11: Twenty-Fifth Conference on Artificial Intelligence*. (2011): 1037-1042. Print. \* « £

**Journal Paper:** Domke, Justin. "Parameter Learning with Truncated Message-Passing." *Proceedings of the IEEE Computer Vision and Pattern Recognition (CVPR)*. (2011): 2937-2943. Print. \* « £

**External Scholarly Fellowships:**

9/1/2011 -  
8/31/2014  
National Science Foundation  
Amount: \$303,198 \* £

**Anne Haake, Professor**

**Published Conference**

**Proceedings:** Engelman, Corey, *et al.* "Exploring Interaction Modes for Image Retrieval." *Proceedings of the Conference on Novel Gaze-Controlled Applications (NGCA11), May 2011, Blekinge Institute of Technology, SE-371 79, Karlskrona, Sweden*. Ed. Veronica Sunstedt and Charlotte Sennersten. ACM: *n.p.*, Web. \*

**Published Conference**

**Proceedings:** Vaidyanathan, Preethi, *et al.* "Using Human Experts' Gaze Data to Evaluate Image Processing Algorithms." *Proceedings of the 10th IMVSP Workshop: Perception and Visual Signal Analysis, Cornell University, June 16-17, 2011*. Ed. IEEE. IEEE Explore: *n.p.*, 2011. Print. ~

**Invited Presentations/Keynotes:**

Haake, Anne. "Extracting and Modeling Tacit Knowledge for Image Understanding and Use." *NIH*. National Library of Medicine. Lister Hill Center for Biomedical Communications, Bethesda, MD. 25 Jul. 2011. Lecture. ≠

**External Scholarly Fellowships:**

9/1/2011 -  
8/31/2014  
National Science Foundation  
Amount: \$303,198 ≠

**Invited Presentations/Keynotes:**

Haake, Anne. "Human-Centered Computing in Knowledge-Rich Domains." *NSF*. Division of Biological Infrastructure. NSF, Arlington, VA. 8 Dec. 2011. Lecture. ≠

**External Scholarly Fellowships:**

9/15/2009 -  
8/31/2012  
NSF  
Amount: \$520,355 ≠

**External Scholarly Fellowships:**

6/30/2010 -  
5/31/2012  
NIH  
Amount: \$362,284 ≠

**Wei Le, Assistant Professor****Published Conference**

**Proceedings:** Le, Wei and Mary Lou Soffa. "Generating Analyses for Detecting Faults in Path Segments." *Proceedings of the International Symposium on Software Testing and Analysis*. Ed. unknown. ACM digital library: ACM, 2011. Web. \*

**Invited Presentations/Keynotes:**

Le, Wei. "A Practical, Path-Based Framework for Detecting and Diagnosing Software Faults." *University of Rochester, Computer Science, Colloquial Series*. Computer Science, University of Rochester. University of Rochester, Rochester, New York. 17 Oct. 2011. Lecture. £

**External Scholarly Fellowships:**

1/1/2012 -  
12/31/2012  
Google  
Amount: \$50,000≠

**Huafeng Liu, Associate Professor****Journal Paper:** Wang, L., *et al.*

"Noninvasive Computational Imaging of Cardiac Electrophysiology for 3D Infarct Detection and Quantification." *IEEE Transactions on Biomedical Engineering* 58. 4 (2011): 1033-1043. Print. ~

**Journal Paper:** Wong, Ken C. L. and Linwei Wang, Heye Zhang, Huafeng Liu, Pengcheng Shi. "Physiological Fusion of Functional and Structural Images for Cardiac Deformation Recovery." *IEEE Transactions on Medical Imaging* 30. 4 (2011): 990-1000. Print. ~

**Journal Paper:** Tong, S., *et al.* "A Robust State-Space Kinetics-Guided Framework for Dynamic PET Image Reconstruction." *Physics in Medicine and Biology* 56. 8 (2011): 2481-98. Print. ~

**Journal Paper:** Wong, Ken C. L. and Linwei Wang, Huafeng Liu, Pengcheng Shi. "A Comparative Study of Physiological Models on Cardiac Deformation Recovery: Effects of Biomechanical Constraints." *MICCAI* 1. 1 (2011): 420-427. Print. «

**Journal Paper:** Gao, F., Huafeng Liu, and P. Shi. "Robust Estimation of Kinetic Parameters in Dynamic PET Imaging." *MICCAI* 1. 1 (2011): 492-499. Print. «

**Published Conference**

**Proceedings:** Liu, Huafeng. "A Strain-Based Ultrasound Elastography Using Phase Shift with Prior Estimates and Meshfree Shape Function." *Proceedings of the IEEE ISBI*. Ed. unknown. Chicago, IL: IEEE, 2011. Print. «



### **Pengcheng Shi, Professor**

**Journal Paper:** Wang, L., *et al.*  
"Noninvasive Computational Imaging of Cardiac Electrophysiological for 3D Infarct Detection and Quantitation." *IEEE Transactions on Biomedical Engineering* 58. 4 (2011): 1033-1043. Print. \*

**Journal Paper:** Wong, K. C. L., *et al.*  
"Physiological Fusion of Functional and Structural Images for Cardiac Deformation Recovery." *IEEE Transactions on Medical Imaging* 30. 4 (2011): 990-1000. Print. \*

**Journal Paper:** Tong, S., *et al.* "A Robust State-Space Kinetics-Guided Framework for Dynamic PET Image Reconstruction." *Physics in Medicine and Biology* 56. 8 (2011): 2481-2499. Print. \*

**Journal Paper:** Camara, O., *et al.*  
"Inter-Model Consistency and Complementarity: Learning from ex-vivo Imaging and Electrophysiological Data Towards An Integrated Understanding of Cardiac Physiology." *Progress in Biophysics and Molecular Biology* 107. 1 (2011): 122-133. Print. \*

### **Published Conference**

**Proceedings:** Elsharif, M., L. Wang, and P. Shi. "Bi-Partite Spectral Graph Co-Clustering of Cellular Transmural Transmembrane Potential Dynamics." *Proceedings of the Functional Imaging and Modeling of the Heart Conference, New York, NY.* Ed. D. Metaxas and L. Axel. New York: Springer, 2011. Print. «

### **Published Conference**

**Proceedings:** Engelman, C., *et al.*  
"Evaluating Usability of Multimodal Interaction." *Proceedings of the Novel Gaze-Controlled Applications, Karlskrona, Sweden, May, 2011.* Ed. V. Sundstedt and C. C. Sennersten. New York: ACM, 2011. Web. «

### **Published Conference**

**Proceedings:** Vaidyanathan, P., *et al.*  
"Vision-Based Approach to Image Understanding." *Proceedings of the IEEE IVMSW Workshop on Perception and Visual Signal Analysis, Ithaca, New York, June, 2011.* Ed. S. Hemami and T. N. Pappas. New Jersey: IEEE, Print. \* £

### **Published Conference**

**Proceedings:** Yu, F., H. Liu, and P. Shi. "PET Image Reconstruction: GPU-Accelerated Particle Filter Framework." *Proceedings of the IEEE International Conference on Image Processing, Brussels, Belgium, September, 2011.* Ed. B. Macq and P. Schelkens. New Jersey: IEEE, Print. \*

### **Published Conference**

**Proceedings:** Gao, F., H. Liu, and P. Shi. "Robust Estimation of Kinetic Parameters in Dynamic PET Imaging." *Proceedings of the Medical Image Computing and Computer Assisted Intervention, Toronto, September, 2011.* Ed. G. Fichtinger, T. Peters, and A. Martel. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Hu, Z. and P. Shi. "Detrend-Free Hemodynamic Data Assimilation of Two-stage Kalman Estimator." *Proceedings of the Medical Image Computing and Computer Assisted Intervention, Toronto, September, 2011*. Ed. G. Fichtinger, T. Peters, and A. Martel. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Wong, K. C. L., L. Wang, and P. Shi. "A Comparative Study of Physiological Models on Cardiac Deformation Recovery: Effects of Biomechanical Constraint." *Proceedings of the Medical Image Computing and Computer Assisted Intervention, Toronto, September, 2011*. Ed. G. Fichtinger, T. Peters, and A. Martel. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Rahimi, A., et al. "Toward Clinically-Feasible Noninvasive Electrophysiological Imaging: Investigating the Impact of Local Anatomical Details." *Proceedings of the Statistical Atlases and Computational Models of the Heart: Imaging and Modeling Challenges, Toronto, September, 2011*. Ed. O. Camara, et al. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Mao, H., et al. "Volumetric Modeling Electromechanics of the Heart." *Proceedings of the Statistical Atlases and Computational Models of the Heart: Imaging and Modeling Challenges, Toronto, September, 2011*. Ed. O. Camara, et al. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Wang, L., et al. "Transmural Electrophysiologic and Scar Imaging on Porcine Heart with Chronic Infarction." *Proceedings of the Statistical Atlases and Computational Models of the Heart: Imaging and Modeling Challenges, Toronto, September, 2011*. Ed. O. Camara, et al. New York: Springer, Print. «

### **Published Conference**

**Proceedings:** Mao, H., et al. "A Coupled Heart-Torso Framework for Cardiac Electrocardiographic Simulation." *Proceedings of the Computing in Cardiology, Hangzhou, China, September, 2011*. Ed. H. Duan, L. Xia, and S. Luo. New Jersey: IEEE, Web. «

### **Published Conference**

**Proceedings:** Wang, L., et al. "Mapping the Transmural Scar and Activation for Patients with Ventricular Arrhythmia." *Proceedings of the Computing in Cardiology, Hangzhou, China, September, 2011*. Ed. H. Duan, L. Xia, and S. Luo. New Jersey: IEEE, Web. \*

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

Shi, P. "Volumetric Imaging of Cardiac Electrophysiology." *Yangtze River International Conference on the Applications of Medical Imaging Physics*. Chinese Medical Imaging Physics Society. Hangzhou, Zhejiang, China. 22 Oct. 2011. Keynote Speech. Δ

**Linwei Wang, Assistant Professor**

**Journal Paper:** Wang, Linwei, *et al.* "Noninvasive Computational Imaging of Cardiac Electrophysiology for 3D Infarct Quantification." *IEEE Transactions on Biomedical Engineering* 58. 4 (2011): 1033-1043. Print. «

**Journal Paper:** Camara, Oscar, *et al.* "Inter-Model Consistency and Complementarity: Learning from ex-vivo Imaging and Electrophysiological Data towards an Integrated Understanding of Cardiac Physiology." *Progress in Biophysics and Molecular Biology* 107. 1 (2011): 122-133. Print. «

**Journal Paper:** Wong, Ken C. L. and Linwei Wang, Heye Zhang, Huafeng Liu, Pengcheng Shi. "Physiological Fusion of Functional and Structural Images for Cardiac Deformation Recovery." *IEEE Transactions on Medical Imaging* 30. 4 (2011): 990-1000. Print. «

**Journal Paper:** Wang, Linwei, *et al.* "Mapping the Transmural Scar and Activation for Patients with Ventricular Arrhythmia." *Computing in Cardiology*. (2011): 1-4. Print. «

**Journal Paper:** Mao, Hongda, *et al.* "A Coupled Heart-Torso Framework for Cardiac Electrocardiographic Simulation." *Computing in Cardiology*. (2011): 1-4. Print. «

**Journal Paper:** Wong, Ken C. L., *et al.* "A Comparative Study of Physiological Models on Cardiac Deformation Recovery: Effects of Biomechanical Constraints." *Medical Image Computing and Computer Assisted Intervention*. (2011): 1-8. Print. «

**Journal Paper:** Wang, Linwei, *et al.* "Transmural Electrophysiologic and Scar Imaging on Porcine Heart with Chronic Infarction." *Medical Image Computing and Computer Assisted Intervention Workshop on Statistical Atlases and Computational Models of the Heart*. (2011): 1-8. Print. «

**Journal Paper:** Rahimi, Azar and Hongda Mao, Pengcheng Shi and Linwei Wang. "Toward Clinically-Feasible Noninvasive Electrophysiological Imaging: Investigating the Impact of Local Anatomical Detail." *Medical Image Computing and Computer Assisted Intervention Workshop on Statistical Atlases and Computational Models of the Heart*. (2011): 1-8. Print. «

**Journal Paper:** Mao, Hongda, *et al.* "Volumetric Modeling Electromechanics of the Heart." *Medical Image Computing and Computer Assisted Intervention Workshop on Statistical Atlases and Computational Models of the Heart*. (2011): 1-8. Print. «

**Journal Paper:** Elsharif, Mohamed and Linwei Wang and Pengcheng Shi. "Dynamic Classification of Cellular Transmural Transmembrane Potential (TMP) Activity of the Heart." *Functional Imaging and Modeling of the Heart*. (2011): 36-46. Print. «

**Invited Presentations/Keynotes:** Wang, Linwei. "Mapping the Transmural Scar and Activation for Patients with Ventricular Arrhythmia." *Computing in Cardiology*. Zhejiang University, China, Hangzhou, Zhejiang. 21 Sep. 2011. Keynote Speech. «

**Chun Lok Wong, Visiting Assistant Professor**

**Journal Paper:** Wong, Ken C. L., et al. "Physiological Fusion of Functional and Structural Images for Cardiac Deformation Recovery." *IEEE Transactions on Medical Imaging* 30. 4 (2011): 990-1000. Print. \*

**Journal Paper:** Delingette, Herve, et al. "Personalization of Cardiac Motion and Contractility from Images Using Variational Data Assimilation." *IEEE Transactions on Biomedical Engineering* 59. 1 (2012): 20-24. Print. \*

**Journal Paper:** Camara, Oscar, et al. "Inter-Model Consistency and Complementarity: Learning from Ex-Vivo Imaging and Electrophysiological Data Towards an Integrated Understanding of Cardiac Physiology." *Progress in Biophysics and Molecular Biology* 107. 1 (2011): 122-133. Print. \*

**Published Conference**

**Proceedings:** Wong, Ken C. L., et al. "A Comparative Study of Physiological Models on Cardiac Deformation Recovery: Effects of Biomechanical Constraints." *Proceedings of the International Conference on Medical Image Computing and Computer Assisted Intervention*. Ed. Gabor Fichtinger, Anne Martel, and Terry Peters. Toronto, Canada: Springer, Print. «

**Published Conference**

**Proceedings:** Wang, Linwei, et al. "Mapping the Transmural Scar and Activation for Patients with Ventricular Arrhythmia." *Proceedings of the Computing in Cardiology*. Ed. Alan Murray. Hangzhou, China: n.p., Print. \*

**Published Conference**

**Proceedings:** Mao, Hongda, et al. "A Coupled Heart-Torso Framework for Cardiac Electrocardiographic Simulation." *Proceedings of the Computing in Cardiology Conference*. Ed. Alan Murray. Hangzhou, China: n.p., Print. \*

**Published Conference**

**Proceedings:** Mao, Hongda, et al. "Volumetric Modeling Electromechanics of the Heart." *Proceedings of the Statistical Atlases and Computational Models of the Heart*. Ed. Oscar Camara et al. Toronto, Canada: Springer, Print. «

**Published Conference**

**Proceedings:** Wang, Linwei, et al. "Transmural Electrophysiologic and Scar Imaging on Porcine Heart with Chronic Infarction." *Proceedings of the Statistical Atlases and Computational Models of the Heart*. Ed. Oscar Camara et al. Toronto, Canada: Springer, Print. «

School of Interactive Games and Media

**Jessica Bayliss, Associate Professor**

**Book Chapter:** Schwartz, David I. and Jessica D. Bayliss. "Unifying Instructional and Game Design." *Handbook of Research on Improving Learning and Motivation through Educational Games*. Ed. P. Felicia. Hershey, PA: IGI Global, 2011. 192-214. Print. «

**Book Chapter:** Schwartz, David I. and Jessica D. Bayliss. "The Ethics of Reverse Engineering for Game Technology." *Designing Games for Ethics: Models, Techniques and Frameworks*. Hershey, PA: IGI Global, 2011. 110-127. Print. «

### **Published Conference**

**Proceedings:** Vedamurthy, I., *et al.* "Modified Unreal Tournament: An Action Game Therapy for Amblyopia." *Proceedings of the Entertainment Software and Cognitive Neurotherapeutics Society Meeting*. Ed. n.e. San Francisco: *n.p.*, 2011. Web. £

### **Adrienne Decker, Assistant Professor**

#### **Published Conference**

**Proceedings:** Decker, Adrienne, Francis P. Trees, and Stephanie Hoepfner. "Greenfoot: An Approach for Introducing Java." *Proceedings of the CS & IT 2011*. Ed. CSTA. New York, NY: *n.p.*, 2011. Web. £ ~

#### **Published Conference**

**Proceedings:** Decker, Adrienne and Francis P. Trees. "Greenfoot: Introducing Java with Games and Simulations." *Proceedings of the CCSC NE 2011 - April 15-16, 2011 - Springfield, MA*. Ed. John Meinke. USA: Consortium for Computing Sciences in Colleges, 2011. Print. \*

#### **Published Conference**

**Proceedings:** Kolling, Michael, *et al.* "Teaching with Greenfoot - From Development of Material to Delivery in the Classroom." *Proceedings of the SIGCSE 2011, Dallas, TX, March 9-12, 2011*. Ed. Thomas J. Cortina, *et al.* New York, NY: ACM, 2011. Print. ~

### **Christopher Egert, Associate Professor**

**Book Chapter:** Egert, Christopher and Andrew Phelps. "Motivating Science Education through Games." *Learning to Play: Exploring the Future of Education through Video Games*. Ed. Myint Swe Khine. New York: Peter Lang, 2011. 129-151. Print. Δ

### **W. Michelle Harris, Associate Professor**

**Shows/Exhibits/Installations:** Harris, W. Michelle. *No Boundaries: New Expressions In African American Art*. By Hiram Cray, *et al.* 4 Feb. 2011. Baobab Cultural Center, Rochester, NY. Exhibit. Δ

### **Jay Alan Jackson, Associate Professor**

#### **Published Conference**

**Proceedings:** Jackson, Jay Alan. "The Bubble Drum Project: Experimental Prototypes for Active Rhythm Games." *Proceedings of the Games For Health 2011 May 18-19, 2011 Boston, MA*. Ed. Ben Sawyer and Bethany Bryant. Boston, MA: *n.p.*, Web. £ ~

### **Stephen Jacobs, Associate Professor**

**Book Chapter:** Jacobs, Stephen. "The Neverhood." *Well Played 3.0*. Ed. Drew Davidson. Pittsburgh, PA: ETC Press, 2011. 42-50. Print. Δ £ ^

**Journal Editor:** Jacobs, Stephen, ed. *Journal of Game Design and Development Education*. Rochester, NY: RIT Scholarly Press, 2011. Print. \*



### **Published Conference**

**Proceedings:** Jacobs, Stephen, C. Kussmaul, and M. Sabin. "Free and Open Source Software in Computing Education." *Proceedings of the ACM SIGITE 2011*. Ed. Bryan Goda, Edward Sobiesk, and Randy Connolly. West Point, NY: ACM, Web. «

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

Jacobs, Stephen. "Games Education in the USA and @ RIT." *Gameslab Opening Ceremonies*. University of Paderborn. University of Paderborn, Paderborn, North Rhine-Westphalia, Germany. 4 Jul. 2011. Keynote Speech. Δ

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

Jacobs, Stephen. "Panel Presentation." *Game Narrative Panel Session*. Rensselaer Polytechnic Institute. Rensselaer Polytechnic Institute, Troy, NY. 18 Nov. 2011. Guest Lecture. Δ

### **Published Conference**

**Proceedings:** Jacobs, Stephen. "Work in Progress - Games For Life Workshop: Outreach To Middle and High School Age Girl Scouts." *Proceedings of the IEEE Frontiers in Education*. Ed. Jennifer Karlin et al. Rapid City, SD: *n.p.*, Web. \*

### **Published Conference**

**Proceedings:** Jacobs, Stephen, et al. "Student Experiences in a Summer Fellows Program in RIT's Center for Student Innovation." *Proceedings of the NCIIA Open 2011*. Ed. Tim Binkert. Washington DC: NCIIA, 2011. Web. \*

### **Published Conference**

**Proceedings:** Jacobs, Stephen, Jon Schull, and Carl Lundgren. "Employing Experiential Learning Through Industrial Collaboration." *Proceedings of the ASEE Conference for Industry and Education Collaboration*. Ed. Linda Krute, et al. San Antonio, TX: ASEE CIEC, 2011. Web. \*

### **Published Conference**

**Proceedings:** Jacobs, Stephen and Jorg Müller-Lietzkow. "Serious Games - Theory and Reality." *Proceedings of the GameDays //2011 2te Internationale Konferenz zu Serious Gaming und 7ter Science meets Business Kongress*. Ed. Stefan Göbel and Josef Wiemeyer. Darmstadt, Germany: *n.p.*, 2011. Web. \*

### **Published Conference**

**Proceedings:** Jacobs, Stephen, et al. "Hey We Invented This. What Do We Do Now?" *Proceedings of the 11th Annual Lilly Conference on College and University Teaching*. Ed. Todd Zakrajsek. Travis City, MI: *n.p.*, Web. \*

### **Elizabeth Lawley, Professor**

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

Lawley, Elizabeth. "Civic Games." *Panel on Civic Games*. MIT. MIT Media Lab, Boston, MA. 30 Nov. 2011. Lecture. Δ

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

Lawley, Elizabeth. "The Great Gamification Debate." *Internet Librarian*. Information Today. Monterey Conference Center, Monterey, CA. 19 Oct. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:**

Lawley, Elizabeth. "Just Press Play: A Gaming Layer for Student Success." *Games in Education*. First Playable. SCCC, Schenectady, NY. 23 Aug. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Lawley, Elizabeth. "Closing Remarks." *Serious Gamification Symposium*. The Wharton School, University of Pennsylvania. The Wharton School, Philadelphia, PA. 9 Aug. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Lawley, Elizabeth. "Student Achievement System." *Microsoft Research Talk*. Microsoft Research. Microsoft Research, Seattle, WA. 25 Feb. 2011. Guest Lecture. Δ

**Published Conference**

**Proceedings:** Lawley, Elizabeth, Andrew Phelps, and Elouise Oyzon. "Just Press Play: Using Game Design and Narrative to Reshape the Undergraduate Student Experience." *Proceedings of the Games, Learning, and Society. Madison, WI. June 2011*. Ed. Steinkuehler, Constance. Madison, WI: *n.p.*, Web. \*

**Invited Presentations/Keynotes:**

Lawley, Elizabeth. "Just Press Play: A Gaming Layer for Student Success." *Games, Learning & Society Brown Bag Series*. GLS Group. University of Wisconsin, Madison, WI. 6 Dec. 2011. Lecture. £

**Andrew Phelps, Professor**

**Book Chapter:** Egert, Christopher and Andrew Phelps. "Motivating Science Education through Games." *Learning to Play*. Ed. M. Khine. New York: Peter Lang, 2011. 129-151. Print. \*

**Invited Presentations/Keynotes:**

Lawley, E. L. "Student Achievement System." *Microsoft Research Lecture Series*. Microsoft Research. Microsoft Research, Redmond, WA. 5 Mar. 2011. Guest Lecture. ~

**Invited Presentations/Keynotes:**

Lawley, E. L. "Just Press Play: Using Game Design and Narrative to Reshape the Undergraduate Student Experience." *Games+Learning+Society 7.0 Conference*. GLS Group. The University of Wisconsin-Madison, Madison, WI. 5 Jun. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**

Lawley, E. L. "Just Press Play." *Games Learning + Society Lecture Series*. GLS Group. University of Wisconsin, Madison, WI. 6 Dec. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Phelps, A. "Gamification in Context." *Serious Gamification Summit*. Wharton School of Business. Wharton School of Business, Philadelphia, PA. 5 Aug. 2011. Conference Presentation. Δ

**Shows/Exhibits/Installations:**

RIT, New Media. *Building the Workspaces of the Future - Today*. By Adam Smith, Nancy Doubleday, and Andrew Phelps. 5 Oct. 2011. Adobe MAX 2011, Los Angeles. Exhibit. \*

**David Schwartz, Associate Professor**

**Book Chapter:** Schwartz, David I. and Jessica Bayliss. "The Ethics of Reverse Engineering of Game Technology." *Designing Games for Ethics: Models, Techniques and Frameworks*. Ed. Karen Schrier. Hershey, PA: IGI Global, 2011. 110-127. Print. «

**Book Chapter:** Schwartz, David I. and Jessica Bayliss. "Unifying Instructional and Game Design." *Handbook of Research on Improving Learning and Motivation through Educational Games*. Ed. Patrick Felicia. Hershey, PA: IGI Global, 2011. 192-214. Print. «

**Journal Paper:** Schwartz, David I. "Teaching Students to Make Alternative Game Controllers." *Journal of Game Design and Development Education*. (2011): 18-24. Web. \*

**Invited Presentations/Keynotes:** Schwartz, David I. "Breaking Into The Game Industry." *Videogame Mania*. The National Museum of Play. The National Museum of Play, Rochester, NY. 5 Nov. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Schwartz, David I. "Breaking Into The Game Industry." *Rochester Sci-Fi/Anime Convention*. Rochester Sci-Fi/Anime Convention. Rochester Sci-Fi/Anime Convention, Rochester, NY. 25 Sep. 2011. Guest Lecture. Δ

Software Engineering

**Stephanie Ludi, Associate Professor**

**Journal Paper:** Ludi, Stephanie and Tom Reichlmayr. "The Use of Robotics to Promote Computing to Pre-College Students with Visual Impairments." *Transactions on Computing Education* 11. 3 (2011): 10-30. Print. \*

**Published Conference**

**Proceedings:** Ludi, Stephanie. "The Benefits and Challenges of Using Educational Game Projects in an Undergraduate Software Engineering Course." *Proceedings of the Games and Software Engineering Workshop, as part of the International Conference on Software Engineering (ICSE), Honolulu, HI. May 22, 2011*. Ed. Jim Whitehead, Chris Lewis. New York: ACM, Print. \* £

**Published Conference**

**Proceedings:** Ludi, Stephanie, *et al.* "The Architectural Challenges of Adding Accessibility Features to ALICE as a Case Study of Maintenance in Educational Software." *Proceedings of the Games and Software Engineering Workshop, as part of the International Conference on Software Engineering (ICSE), Honolulu, HI. May 22, 2011*. Ed. Jim Whitehead and Chris Lewis. New York: ACM, Print. \*

**Published Conference**

**Proceedings:** Ludi, Stephanie, *et al.* "Access Lecture: A Mobile Application Providing Visual Access to Classroom Material." *Proceedings of the ASSETS '11 13th International ACM SIGACCESS Conference on Computers and Accessibility. October 24-26, 2011, Dundee, Scotland*. Ed. Kathleen McCoy and Yeliz Yesilada. NY: ACM, Print. \*

**Andy Meneely, Assistant Professor**

**Journal Paper:** Shin, Yonghee, *et al.* "Evaluating Complexity, Code Churn, and Developer Activity Metrics as Indicators of Software Vulnerabilities." *Transactions on Software Engineering* 37. 6 (2011): 772-787. Print. \* £

**Published Conference**

**Proceedings:** Meneely, Andrew, Pete Rotella, and Laurie Williams. "Does Adding Manpower Also Affect Quality? An Empirical, Longitudinal Analysis." *Proceedings of the Foundations in Software Engineering*. Ed. ACM. Szeged, Hungary: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Meneely, Andrew and Laurie Williams. "Socio-Technical Developer Networks: Should We Trust Our Measurements?" *Proceedings of the International Conference on Software Engineering*. Ed. ACM. Waikiki, HI: *n.p.*, 2011. Print. \*

**Book Chapter:** Meneely, Andrew, Ben Smith, and Laurie Williams. "iTrust Electronic Health Care System: A Case Study." *Software System Traceability*. Ed. Jane Cleland-Huang, Orlena Gotel, and Andrea Zisman. USA: Springer, 2011. 400-420. Print. \*

**Tom Reichlmayr, Associate Professor**

**Published Conference**

**Proceedings:** Reichlmayr, Thomas. "Working Towards the Student Scrum - Developing Agile Android Applications." *Proceedings of the 2011 ASEE Annual Conference & Exposition, Vancouver, Canada June, 2011*. Ed. ASEE. Vancouver, BC: *n.p.*, Web. \*

COLLEGE OF  
**APPLIED SCIENCE**  
**& TECHNOLOGY**

Civil Engineering Technology,  
Environmental Management &  
Safety

**Amanda Bao, Assistant Professor**

**Journal Paper:** Bao, Yu and Stein Sture. "Numerical Modeling of Cyclic Mobility Based on Fuzzy-set Concepts in Plasticity Theory." *Computers and Geotechnics* 38. 3 (2011): 375-382. Web. \* ≠

**Journal Paper:** Bao, Yu and Stein Sture. "Application of a Kinematic-cyclic Plasticity Model in Simulating Sand Liquefaction." *International Journal of Advances in Engineering Sciences and Applied Mathematics* 2. 3 (2011): 119-124. Web. \* ≠

**Published Conference**

**Proceedings:** Bao, Yu, *et al.* "An Innovative Hybrid Nano-Fibered Concrete." *Proceedings of the 2011 PCI Annual Convention and National Bridge Conference*. Ed. Precast/Prestress Concrete Institute. Chicago, IL: Precast/Prestress Concrete Institute, 2011. Print. \* †

**Invited Presentations/Keynotes:**

Bao, Yu and Chad Stevens. "An Innovative Hybrid Nano-Fibered Concrete." *2011 PCI Annual Conference and National Bridge Conference*. Precast/Prestress Concrete Institute. Salt Lake City Convention Center, Salt Lake City, UT. 25 Oct. 2011. Conference Presentation. \* †

**Abdullah al Faruque, Assistant Professor**

**Journal Paper:** Faruque, Abdullah and Ram Balachandar. "Seepage Effects on Turbulence Characteristics in an Open Channel Flow." *Canadian Journal of Civil Engineering* 38. 7 (2011): 785-799. Print.

**Invited Presentations/Keynotes:**

Faruque, Abdullah. "An Investigation of the Effect of Suction and Injection in Open Channel Flow." *International Conference in Fluid Dynamics and Thermodynamic Technologies*. IAC-SIT. Bali, Bali, Indonesia. 1-3 Apr. 2011. Conference Presentation.

(continued on page 32)

**Key for use with all citations**

\* Blind Peer Reviewed  
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Δ Invited Paper  
£ Refereed

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≠ External Funding







# Advancing light-based communications.

**DREW MAYWAR** IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF ELECTRONIC, COMPUTER, AND TELECOMMUNICATIONS ENGINEERING TECHNOLOGY. HE PERFORMS RESEARCH ON FIBER-OPTIC NETWORKS, PHOTONIC COMPONENTS, AND THE PHYSICAL NATURE OF LIGHT PULSES.

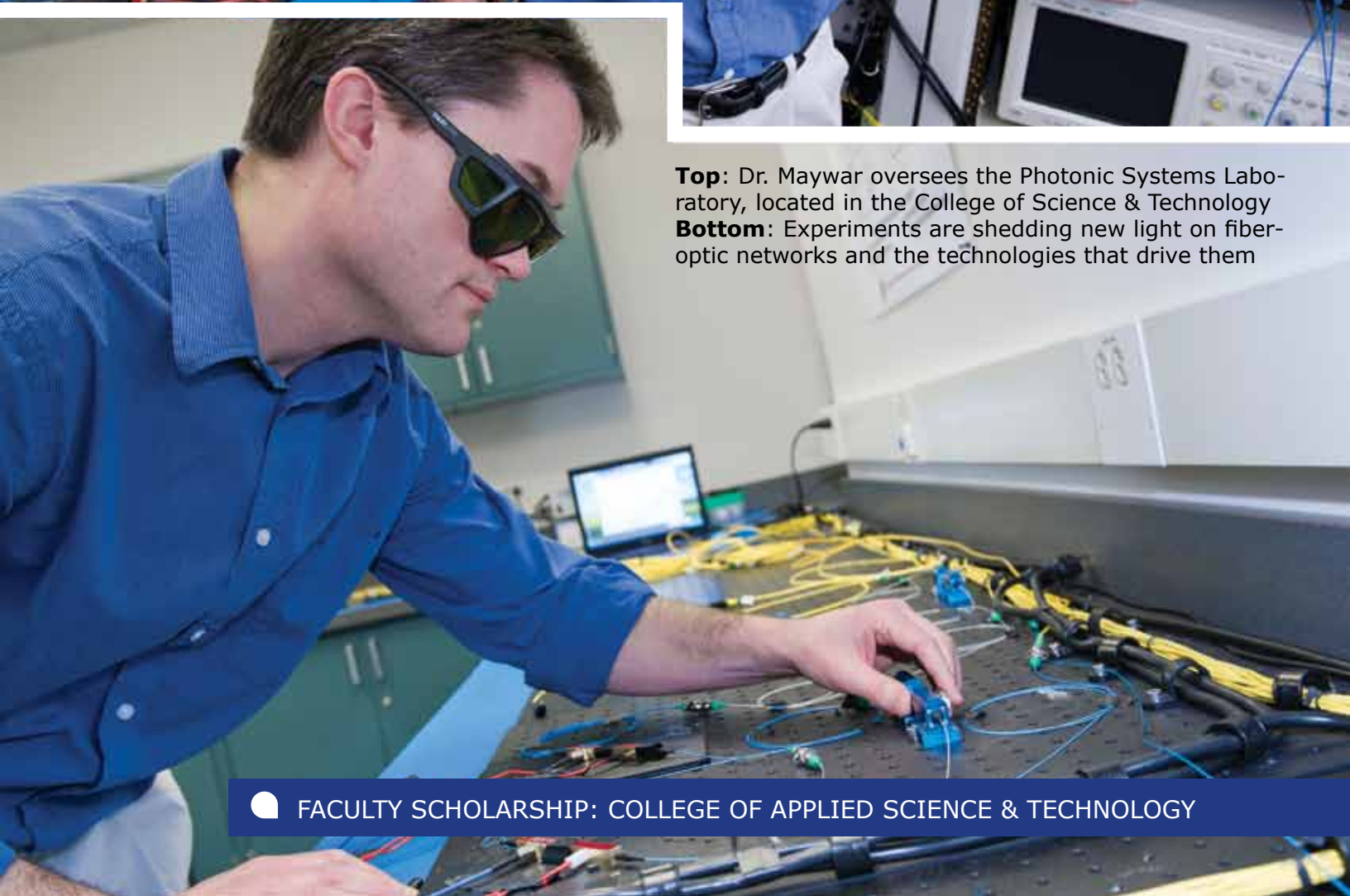
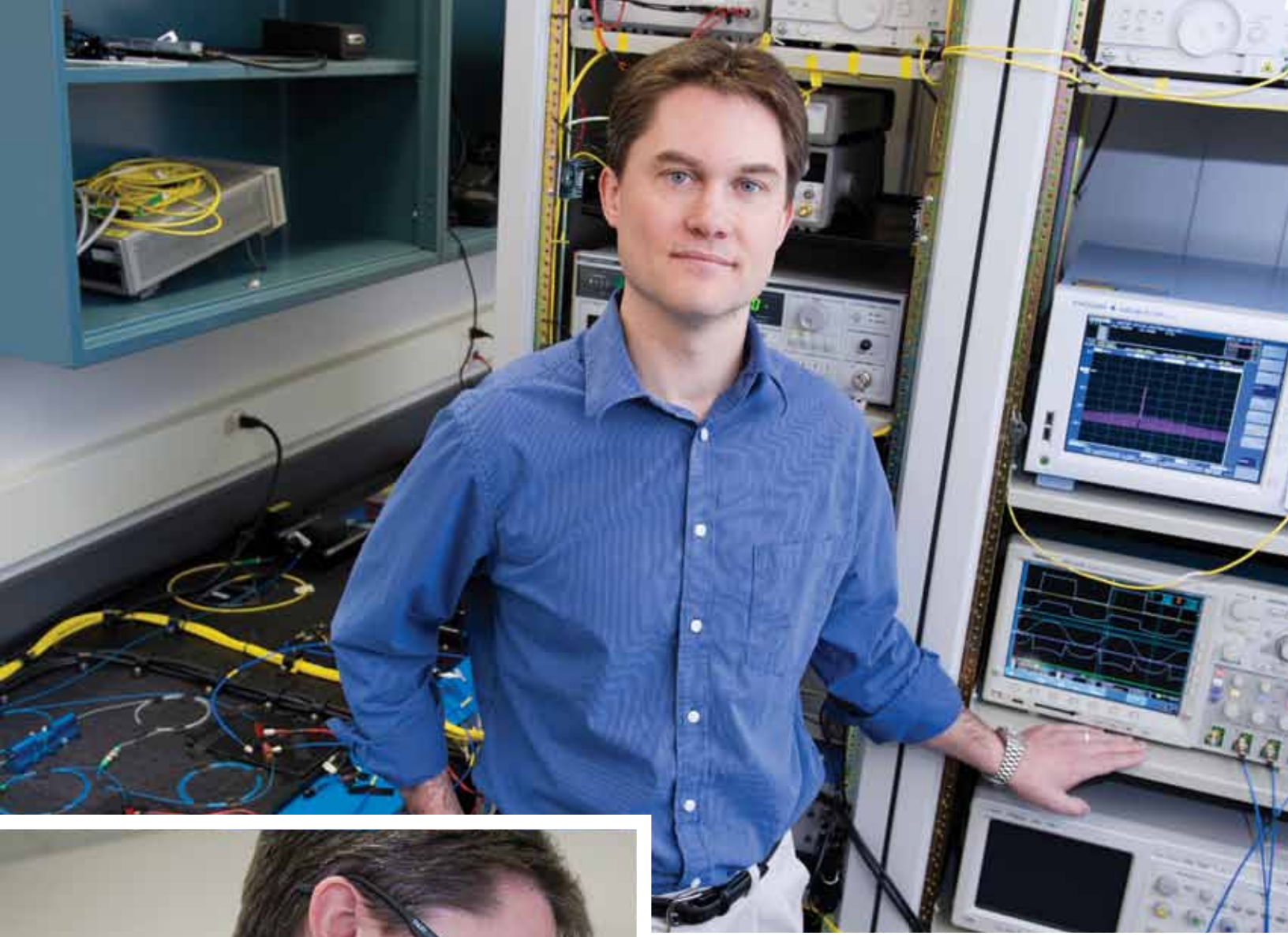


Dr. Maywar oversees RIT's Photonic Systems Laboratory, a laboratory geared to investigate the generation, manipulation, transmission, and storage of data in the form of light. Drawing from industrial experience at Bell Laboratories, where he prototyped Lucent Technologies' first commercial Terabit-per-second ( $10^{12}$  bits-per-second) fiber-optic communication system, he works with students to provide them with high-tech laboratory experiences while advancing the state of art of light-based communications.

In 2011, Dr. Maywar co-authored seven papers published in peer-reviewed journals. These publications introduced a new concepts for clocks enabled by light-based memory and for energy-efficient structures that convert light-based data from one wavelength (or "color") to another, revealed previously unknown spectral warping of light pulses passing through ultrafast optical amplifiers, and laid out an in-depth study of the thermal-based performance degradation of surface-emitting lasers. Much of the research presented in these publications was funded by the National Science Foundation on a project for which Dr. Maywar is Principle Investigator. This project studies the physical nature of data-encoded light pulses within communication networks and how to alter their fundamental properties such as wavelength.

Dr. Maywar is also Principle Investigator for a project funded by the US Naval Air Systems Command that is focused on the design and development of fiber-optic networks for on-board data communications within aircraft. Compared to existing electrical cables, optical fibers enable networks having higher data rates, lower weight, smaller spatial footprint, higher degree of electrical isolation, and improved defense against electromagnetic interference.

Dr. Maywar is an overseas editor for the Japanese Journal of Applied Physics and has received several awards for research and education in Japan, including a Fulbright fellowship for laser research and Japanese-culture study at Osaka University's Institute of Laser Engineering and a grant from the National Science Foundation for light-based-memory research at the University of Tokyo.



**Top:** Dr. Maywar oversees the Photonic Systems Laboratory, located in the College of Science & Technology  
**Bottom:** Experiments are shedding new light on fiber-optic networks and the technologies that drive them

**Invited Presentations/Keynotes:**

Faruque, Abdullah. "Interaction of the Wake of a Bluff-body with a Wall Jet in an Open Channel Flow." *23rd Canadian Congress of Applied Mechanics*. Department of Mechanical Engineering. University of British Columbia, Vancouver, BC. 5-9 Jun. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Faruque, Abdullah. "Quadrant Decomposition to Extract Reynolds Shear Stress of Turbulent Events in an Open Channel Flow." *23rd Canadian Congress of Applied Mechanics*. Department of Mechanical Engineering. University of British Columbia, Vancouver, BC. 5-9 Jun. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Faruque, Abdullah. "Effects of the Introduction of Seepage on the Bed Stability and Turbulence Characteristics in an Open Channel Flow." *The 9th International Conference of Mechanical Engineering*. Department of Mechanical Engineering. Bangladesh University of Engineering and Technology, Dhaka, Bangladesh. 18-20 Dec. 2011. Conference Presentation.

**Josh Goldowitz, Professor****Invited Presentations/Keynotes:**

Goldowitz, Josh. "Hydrofracking: The Facts." *AAUW September Program*. American Association of University Woman. Fairport United Methodist Church, Fairport, NY. 22 Sep. 2011. Keynote Speech. ~

**Invited Presentations/Keynotes:**

Goldowitz, Josh. "Hydrofracking 101." *Everything You Always Wanted to Know about 21st Century Energy*. Rochester Institute of Technology. Student Center for Innovation, Rochester, NY. 7 Dec. 2011. Keynote Speech. ~

**Jennifer Schneider, Professor****Invited Presentations/Keynotes:**

Schneider, J. "Critical Infrastructure/Risk Chair." *FEMA Northern Border Security Exercise (10/2011)*; FEMA. non disclosed, non disclosed, NY. 14 Oct. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Schneider, J. "Testimony to the Committee." *Committee on Transportation & Infrastructure*. US House of Representatives/Honorable Thomas Reed. Greater Rochester International Airport, Rochester, NY. 24 Mar. 2011. Address. Δ

**Electrical, Computer & Telocommunications Engineering Technology****Jeanne Christman, Assistant Professor****Invited Presentations/Keynotes:**

Christman, Jeanne. "A Hands-on Approach to Demonstrating Hardware/Software Tradeoffs in an Embedded System Design." *118th American Society for Engineering Education Conference & Exposition*. ASEE. Vancouver Convention Center, Vancouver, BC. 26-29 Jun. 2011. Conference Presentation.



### Michael Eastman, Professor

#### Invited Presentations/Keynotes:

Eastman, Mike. "Ensuring Curriculum Integrity for Engineering Technology Programs During Calendar Conversion." *118th ASEE Annual Conference & Exposition*. ASEE. Vancouver Convention Center, Vancouver, BC. 26-29 Jun. 2011. Conference Presentation.

#### Invited Presentations/Keynotes:

Eastman, Mike. "EET Nationally-Normed Assessment Exam: First Experiences and Their Relations to ABET Outcomes." *118th ASEE Annual Conference & Exposition*. ASEE. Vancouver Convention Center, Vancouver, BC. 26-29 Jun. 2011. Conference Presentation.

### Drew Maywar, Assistant Professor

**Journal Paper:** Xiao, Yuzhe, Govind P. Agrawal, and Drew N. Maywar. "Spectral and Temporal Changes of Optical Pulses Propagating Through Time-varying Linear Media." *Optics Letters* 36. (2011): 505-507. Print. \* £ ≠

**Journal Paper:** Kaplan, Aaron M., Govind P. Agrawal, and Drew N. Maywar. "All-optical Phase Control of a Square-wave Photonic Clock." *IEEE Photonics Technology Letters* 23. (2011): 405-407. Print. \* £

**Journal Paper:** Donaldson, William R., et al. "Measurement of the Self-phase-modulation-induced Bandwidth in a 30-kJ-class Laser Amplifier Chain." *Journal of the Optical Society of America B* 28. (2011): 445-449. Print. \* Δ

**Journal Paper:** Xiao, Yuzhe, Drew N. Maywar, and Govind P. Agrawal. "Optical Pulse Propagation in Dynamic Fabry-Perot Resonators." *Journal of the Optical Society of America B* 28. (2011): 1685-1692. Print. \* £ ≠

**Journal Paper:** Baveja, Prashant, et al. "Assessment of VCSEL Thermal Roll-over Mechanisms From Measurements and Empirical Modeling." *Optics Express* 19. (2011): 15490-15505. Print. \* £ ≠

**Journal Paper:** Daniel, Brian A., Drew N. Maywar, and Govind P. Agrawal. "Dynamic-mode Theory of Optical Resonators Undergoing Refractive-index Changes." *Journal of the Optical Society of America B* 28. (2011): 2207-2215. Print. \* Δ ≠

**Journal Paper:** Daniel, Brian A., Drew N. Maywar, and Govind P. Agrawal. "Efficient Adiabatic Wavelength Conversion in Gires-Tournois Resonators." *Optics Letters* 36. (2011): 4155-4157. Print. \* Δ ≠

#### Published Conference

**Proceedings:** Xiao, Yuzhe, Govind P. Agrawal, and Drew N. Maywar. "Adiabatic Wavelength Conversion in Travelling-wave and Resonant Photonic Structures." *Proceedings of the Integrated Photonics, Silicon and Nano Photonics IPR 2011*. Ed. Dan-Xia Xu and Anatoly Zayats. Toronto, Canada: n.p., Web. £ ≠

**Journal Editor:** Ono, Kouichi, Masahiro Asada, and Drew N. Maywar, ed. *Japanese Journal of Applied Physics*. Tokyo: Japan Society of Applied Physics, 2011. Print. \* £



**External Scholarly Fellowships:**

10/1/2009 -  
 8/31/2012  
 US National Science Foundation  
 Amount: \$237,400

**External Scholarly Fellowships:**

8/15/2011 -  
 3/14/2012  
 Navy  
 Amount: \$47,329

Manufacturing & Mechanical  
 Engineering Technology /  
 Packaging Science

**Betsy Dell, Assistant Professor**

**Journal Paper:** Dell, Elizabeth M., Robert D. Garrick, and Jeanne Christman. "Assessment of an Engineering Technology Outreach Program for 4th-7th Grade Girls." *American Journal of Engineering Education* 2. 1 (2011): 19-34. Print. «

**Published Conference**

**Proceedings:** Dell, Elizabeth M., et al. "WE-IMPACT- Women in Engineering - Improving Program Assessment Tools for Outreach and Retention Programs." *Proceedings of the American Society of Engineering Education National Conference*. Ed. ASEE. Vancouver, BC: n.p., 2011. Print. « † ≠

**Published Conference**

**Proceedings:** Dell, Elizabeth M., et al. "Breaking Through Barriers-Campus Action Programs." *Proceedings of the Women in Engineering ProActive Network National Conference*. Ed. WEPAN. Seattle, WA: n.p., 2011. Web. «

**Invited Presentations/Keynotes:**

Dell, Elizabeth. "Use of AAUW Campus Action Grants to Benefit Engineering Students and Single Gender Courses in Fairport Central School District." *American Association of University Women - New York State Leadership Conference*. American Association of University Women. Cazenovia College, Cazenovia, NY. 15 Jul. 2011. Keynote Speech. ≠

**Published Conference**

**Proceedings:** Garrick, Robert D., et al. "Tablet PC's- Digital Pen-based Technology use and the Impact on Educating Engineers." *Proceedings of the International Conference on Education and New Learning Technologies*. Ed. International Association of Technology, Education and Development. Barcelona, Spain: IATED, 2011. Print. «

**Published Conference**

**Proceedings:** Cliver, Richard, et al. "ABET Reporting." *Proceedings of the American Society for Engineering Education Annual Conference & Exposition*. Ed. ASEE. Vancouver, BC: n.p., 2011. Print. «

**Invited Presentations/Keynotes:**

Eko, Annette. "EMPOWER II-RIT's AAUW Campus Action Program." *National Conference for College Women Student Leaders*. American Association of University Women. The University of Maryland, College Park, MD. 6 Jun. 2011. Conference Presentation. † ≠

**Invited Presentations/Keynotes:**

Dell, Elizabeth. "Tech Savvy-The Success of Single Gender Technology Courses in the Fairport Schools." *Tech Savvy*. American Association of University Women-Fairport chapter. Fairport Central School District, Fairport, NY. 24 Mar. 2011. Address. ≠

**Changfeng Ge, Associate Professor**

**Journal Paper:** Ge, Changfeng and Daniel Goodwin. "Determine Natural Frequencies of Stacked Corrugated Boxes Using a Roving Hammer." *Journal of Applied Packaging Research* 5. 2 (2011): 145-156. Print. «

**Journal Paper:** Cheng, Yujie, et al. "Evaluation Study of Vanillin, Curcumin and Turmeric with Potential Use in Antimicrobial Packaging Applications." *Journal of Applied Packaging Research* 5. 4 (2011): 215-226. Print. «

**Journal Paper:** Ge, Changfeng, et al. "Application of RFID Technologies to Evaluate the Packaging Insulation Performance in Pharmaceutical Supply Chain." *Journal of Applied Packaging Research* 5. 4 (2011): 247-253. Print. «

**Book Chapter:** Miri, M. J., et al. "Copolyester Synthesis Using Glycerol from Biodiesel Production." *Renewable and Sustainable Polymers*. Ed. G. F. Payne and P.B. Smith. UK: John Wiley & Sons, 2011. 11-35. Print. «

**Full Length Book:** Ge, Changfeng. *Package Structural & Mechanism Design with SolidWorks*. US: SDC Publication, 2011. Print. «

**Published Conference**

**Proceedings:** Goodwin, Daniel, Changfeng Ge, and Chongyue Li. "Application of Constructed Probability Spectra to Vibration Tests for Product Damage." *Proceedings of the 25th IAPRI symposium*. Ed. unknown. Berlin, Germany: n.p., 2011. Web. \*

**Published Conference**

**Proceedings:** Johnson, Daniel, Rebecca Dobbs, and Changfeng Ge. "Anti-Counterfeiting Technology in Product Design and Manufacturing: An Opportunity for Engineering Technology Programs." *Proceedings of the 2011 ASEE Conference*. Ed. unknown. Vancouver, BC: n.p., 2011. Web. «

**Daniel Goodwin, Professor**

**Journal Paper:** Goodwin, Daniel and Changfeng Ge. "Determine Natural Frequencies of Stacked Corrugated Boxes Using a Roving Hammer." *Journal of Applied Packaging Research* 5. 2 (2011): 145-156. Print.

**Invited Presentations/Keynotes:** Goodwin, Daniel. "Application of Constructed Probability Spectra to Vibration Tests for Product Damage Evaluation." *25th IAPRI Symposium on Packaging*. International Association of Packaging Research Associations. Free University Conference Center, Berlin, Germany. 16 May 2011. Conference Presentation.

**Ti-Lin Liu, Associate Professor**

**Invited Presentations/Keynotes:** Lin, Liu Ti. "Go Green and Remanufacturing." *14th International Investment and Global Sourcing Conference*. Asia-Pacific CEO Association. Chongqing, Chongqing, China. 18-21 May 2011. Conference Presentation.

## **Manian Ramkumar, Professor**

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

Ramkumar, S. Manian. "Successful Practices for Online Computing, Engineering, and Technology Courses." *41st ASEE/IEEE Frontiers in Education*. ASEE/IEEE. Rushmore Plaza Civic Center, Rapid City, SD. 12-15 Oct. 2011. Conference Presentation.

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

Ramkumar, S. Manian. "Novel Anisotropic Conductive Adhesive for 3D Stacking and Lead-free PCB Packaging A Review." *61st Electronic Components and Technology Conference*. IEEE. Walt Disney World, Lake Buena Vista, FL. 31 May 2011. Conference Presentation.

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

Ramkumar, S. Manian. "Effect of Stencil Technology on Ultra Fine Pitch Printing." *SMTA International Conference Proceedings*. SMTA. Fort Worth Convention Center, Fort Worth, TX. 16-20 Oct. 2011. Conference Presentation.

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

Ramkumar, S. Manian. "Effect of Nano-Coated Stencil on 01005 Printing." *IPC APEX*. IPC. Mandalay Bay Convention Center, Las Vegas, NV. 12-14 Apr. 2011. Conference Presentation.

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

Ramkumar, S. Manian. "Influence of Filler Modifications on the Performance of a Novel Anisotropic Conductive Adhesive under Temperature/Humidity Aging." *Pan Pacific Microelectronics Symposium*. SMTA. Hapuna Prince Hotel, Big Island, HI. 18-20 Jan. 2011. Conference Presentation.

### **External Scholarly Fellowships:**

7/1/2011 -  
12/31/2011  
NASA - Jet Propulsion Laboratory  
Amount: \$7,400

### **External Scholarly Fellowships:**

6/1/2011 -  
6/30/2011  
General Motors  
Amount: \$6,000

### **External Scholarly Fellowships:**

7/1/2011 -  
8/31/2011  
KIC  
Amount: \$9,200

### **External Scholarly Fellowships:**

3/1/2011 -  
3/15/2011  
Vicor Corporation  
Amount: \$5,000

### **External Scholarly Fellowships:**

6/1/2011 -  
6/30/2011  
Carestream Health  
Amount: \$5,000

### **External Scholarly Fellowships:**

8/1/2011 -  
8/31/2011  
Celestica  
Amount: \$25,000



COLLEGE OF  
**HEALTH SCIENCES**  
**& TECHNOLOGY**

Biomedical Sciences

**Bolaji Thomas, Assistant Professor**

**Journal Paper:** Isokpehi, Raphael D., et al. "Developmental Regulation of Genes Encoding Universal Stress Proteins in *Schistosoma mansoni*." *Gene Regulation and Systems Biology* 5. 0 (2011): 61-74. Web. «

Diagnostic Medical Sonography

**Hamad Ghazle, Professor**

**Journal Paper:** Ghazle, Hamad and Shweta Bhatt. "Testicular Sarcoidosis: Sonographic Findings." *Journal of Diagnostic Medical Sonography* 27. 3 (2011): 126-130. Print. «

**Journal Paper:** Ghazle, Hamad, Prajna Chopra, and Shweta Bhatt. "Prenatal Diagnosis of Cornelia de Lange Syndrome by 2D and 3D Sonography." *Journal of Diagnostic Medical Sonography* 27. 4 (2011): 171-175. Print. «

Medical Illustration

**James Perkins, Professor**

**Shows/Exhibits/Installations:**

Perkins, Jim. *Illustrators 2011*. By Jim Perkins, Bill Finewood, and Chris Lyons. Jan. 2011. The Donald F. and Maxine B. Davison Gallery, Roberts Wesleyan College, Rochester, NY. Exhibit. Δ

**Shows/Exhibits/Installations:**

Perkins, Jim. *Anatomy of an Image, 23rd Congress of the Association Européenne des Illustrateurs Médicaux et Scientifiques*. Nov. 2011. Faculty of Medicine, University of Strasbourg, Strasbourg, France. Exhibit. £

**Shows/Exhibits/Installations:**

Perkins, Jim. *Proper Placement of Avalon Laboratories Life Support Catheter*. Jul. 2011. Association of Medical Illustrators 66th Annual Salon, Baltimore, MD. Exhibit. £

**Full Length Book:** Perkins, Jim, illus., Roger P. Smith, and Paul Turek. *The Netter Collection of Medical Illustrations, Vol. 1 - Reproductive System*. 2 ed. Philadelphia: Saunders/Elsevier, 2011. Print. ^

**Full Length Book:** Perkins, Jim, and William F. Young. *The Netter Collection of Medical Illustrations, Vol. 2 - Endocrine System*. 2 ed. Philadelphia: Saunders/Elsevier, 2011. Print. ^

**Full Length Book:** Perkins, Jim and David Kaminsky. *The Netter Collection of Medical Illustrations, Vol. 3 - Respiratory System*. 2 ed. Philadelphia: Saunders/Elsevier, 2011. Print.

(continued on page 42)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

† RIT Student  
‡ External Funding





# Clinical research and training at the ultrasound scanning suite.

**HAMAD GHAZLE** IS A PROFESSOR AND DIRECTOR OF THE DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM. HIS RESEARCH FOCUSES ON VARIOUS ASPECTS OF DIAGNOSTIC ULTRASOUND INCLUDING TECHNOLOGY, TECHNIQUES, PROCEDURES, EDUCATION, ACCREDITATION AND STUDENT AND PROGRAM ASSESSMENTS.

Dr. Ghazle bears total responsibility of the planning and delivery of the ultrasound educational program which includes organization, administration, periodic review and evaluation, and continued development of the Diagnostic Medical Sonography Program.

He also oversees RIT's Ultrasound Scanning Suite, a high-tech ultrasound laboratory which provides practical experience to medical professionals and students. Drawing from both clinical and industrial experiences, he works with a variety of companies and medical facilities to develop new ultrasound techniques and products, improving marketability, work flow and efficiency.

Dr. Ghazle has authored and coauthored many papers published in peer-reviewed journals. These publications have focused on various aspects of clinical ultrasound and disease processes. His latest publications focused

on the ultrasound appearance of skeletal dysplasia, testicular sarcoidosis, nerve sheath tumors and the study of the effect of catheter insertion into bile ducts. The latter study has revealed results which were of interest to the medical community and prompted a presentation at a national ultrasound conference. Dr. Ghazle is working on a project studying the ultrasound appearance and the complications of injecting Teflon or Deflux in the area where the ureter meets the bladder to treat urinary reflux.

Dr. Ghazle is the president of the Rochester Ultrasound Society. He is also a site visitor of the Joint Review Committee on Education in Diagnostic Medical Sonography and inspects ultrasound programs nationwide. He has served on the Government Relations Committee and as a Western Upstate Representative for the National Society of Diagnostic Medi-

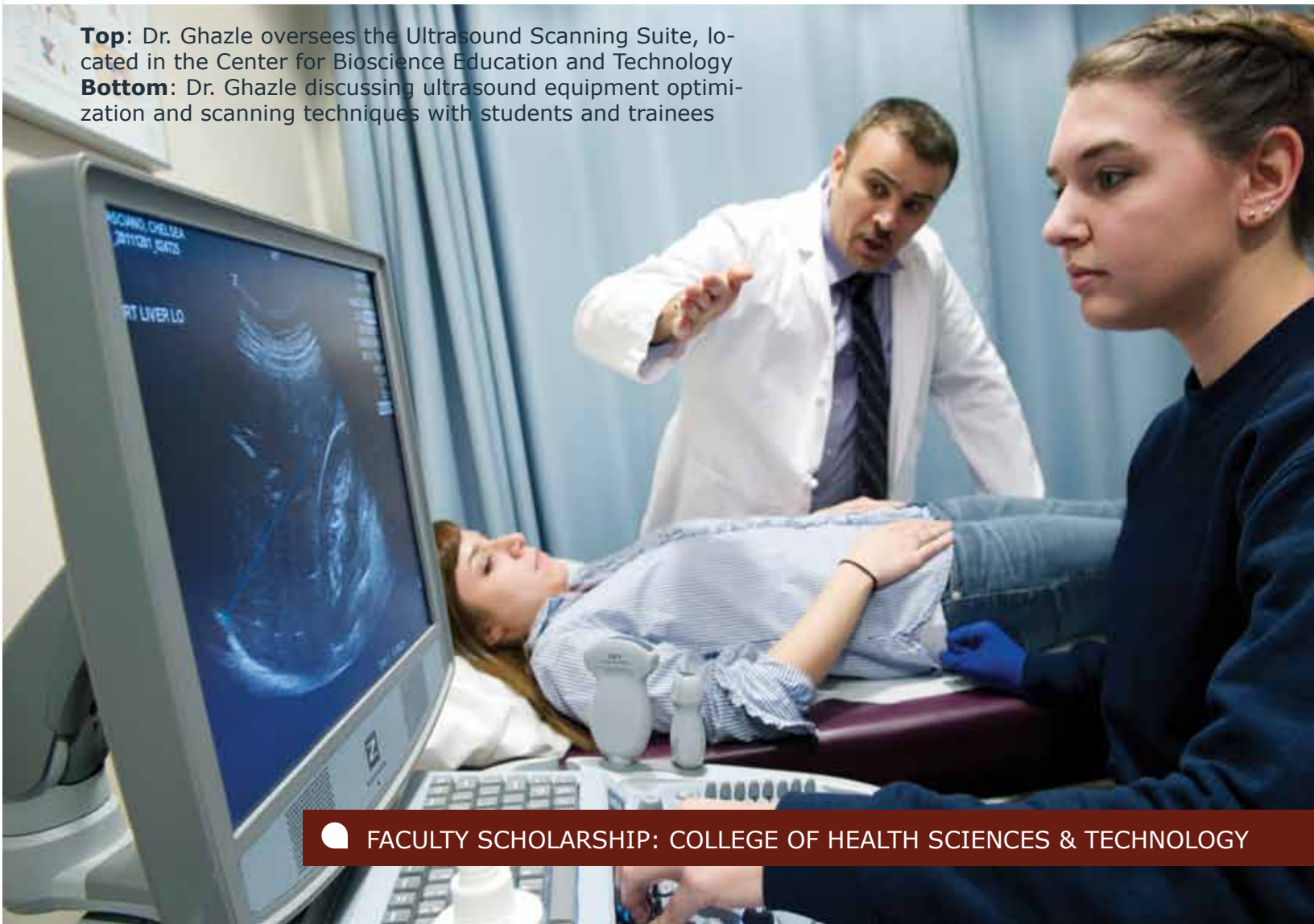


cal Sonography where he received the Advanced Practice Sonographer designation. He has received the Alpha Sigma Lambda Honorary Society Mentor Award and the Student Affairs Award for Promoting Learning outside the Classroom. He has also been nominated for the National Distinguished Educator Award in Sonography as well as the RIT's Gender Diversity & Inclusiveness Award. He has also received the 2002 RIT Eisenhart Award for Outstanding Teaching. Ghazle was included in the 2009 edition of Marquis' Who's Who in America.





**Top:** Dr. Ghazle oversees the Ultrasound Scanning Suite, located in the Center for Bioscience Education and Technology  
**Bottom:** Dr. Ghazle discussing ultrasound equipment optimization and scanning techniques with students and trainees



**Full Length Book:** Perkins, Jim, Todd Florin, and Stephen Ludwig. *Netter's Pediatrics*. 1 ed. Philadelphia: Saunders/Elsevier, 2011. Print. ^

**Full Length Book:** Perkins, Jim, and Ivan Damjanov. *Pathology for the Health Professions*. 4 ed. Philadelphia: Saunders/Elsevier, 2011. Print. ^

## Physician Assistant

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

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

Calvelli, Cara F. "The Cat Comes Back: Curiously Observant Differential Diagnosis in Dermatology." *Annual CME Conference 2011*. Women in Medicine. Stowflake Mountain Resort & Spa, Stowe, VT. 25 Jul. 2011. Conference Presentation. Δ





COLLEGE OF  
**IMAGING ARTS**  
& SCIENCES

Foundations Department

**Michael Amy, Professor**

**Journal Paper:** Amy, Michael. "Lee Bul, Phantasmic Morphologies." *Sculpture* 30. 4 (2011): 20-27. Print. Δ

**Journal Paper:** Amy, Michael. "Crystal Clear Dreams: A Conversation with Eunsuh Choi." *Sculpture* 30. 10 (2011): 39-41. Print. Δ

**Invited Presentations/Keynotes:** Michael, Amy. "Thoughts on Francis, and The History of Art." *Viva Italia! Celebrating Italian Culture*. College of Liberal Arts. Rochester Institute of Technology, Rochester, NY. 13 Apr. 2011. Guest Lecture. Δ

**Roberley Bell, Professor**

**External Scholarly Fellowships:**

5/1/2011 -

5/2/2011

Puffin Foundation, public interest funding award  
Amount: \$0 \*

**Invited Presentations/Keynotes:**

Bell, Roberley. "Funding the Priceless." *2011 Conference on International Opportunities in the Arts*. TransCultural Exchange. Boston, Boston, MA. 7-10 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Bell, Roberley. "Mapping as Walking as Learning to See in the Digital Age." *International Symposium on Electronic Art*. Sabanci University. Istanbul/multiple venues, Istanbul, Turkey. 14-21 Sep. 2011. Conference Presentation. \*

**Shows/Exhibits/Installations:**

Bell, Roberley. *Figuration and Its Disconnects*. 17 Feb -14 May 2011. UB Art Gallery, Buffalo, NY. Exhibit. Δ

**Shows/Exhibits/Installations:**

Bell, Roberley. *Summer Selections*. 14 July -14 August 2011. Denise Bibro Gallery, New York, NY. Exhibit. Δ

**Shows/Exhibits/Installations:**

Bell, Roberley. *Secret Garden*. 8 Sept - 8 Oct 2011. Denise Bibro Gallery, New York, NY. Exhibit. Δ

**Shows/Exhibits/Installations:**

Bell, Roberley. *Pulse Projects*. 1-4 Dec 2011. Pulse Miami Art Fair, Miami, FL. Exhibit. Δ

**Shows/Exhibits/Installations:**

Bell, Roberley. *Paradise Ready Made Revisited*. Sep. 2011. Gallery 5533, Istanbul, Turkey. Exhibit. Δ

(continued on page 48)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

† RIT Student  
‡ External Funding



**“You take delight not in a city’s seven or seventy wonders, but in the answer it gives to a question of yours.”** - Invisible Cities    Italo Calvino

**ROBERLEY BELL** IS A PROFESSOR IN THE DEPARTMENT OF FOUNDATIONS AND ART HISTORY. AS BOTH AN ARTIST AND EDUCATOR HER PRACTICE EXPLORES WAYS OF THINKING, LOOKING AND MAKING WITHIN THE CONTEXT OF A SPECIFIC PHYSICAL ENVIRONMENT.



Professor Roberley Bell’s areas of specialization span the disciplines of the visual arts with an emphasis on sculpture and working within the public realm. Her sculptures explore the natural world by both borrowing and abstracting from it to produce hyper-realized fantastical landscapes. Her current series Flower Blobs and Other Landscape fast-forwards the origins of organic abstraction into the 21st century. Her sculptures take their cue from blob design and are realized, like many contemporary buildings and forms, through the aegis of computer aided design. The sculptures she creates reveal themselves as natural forms, but paradoxically are in fact

based on nothing that exists in nature.

Travel is an integral part of Professor Bell’s research, and includes a range of activities from visiting gardens that have influenced specific projects to the exploring of unfamiliar locales. For Bell, travel serves as a vehicle by which we remove ourselves from our own familiar surroundings and cultural assumptions and force ourselves to begin learning through our senses, which are heightened by the new experience.

Professor Bell’s teaching is inspired by her creative practice and she brings her appreciation for being an artist in a global society directly into her classroom. Bell has taught in the CIAS Design Dessau program, at ACMT in Croatia and most recently as a senior Fulbright scholar in Turkey. Back in Rochester, Bell continues to find ways to involve her students in

cross-cultural experiences, most recently working on a social design project with colleagues in Turkey. This project has been commissioned by LASDER Tire Industrialist Association of Turkey and investigates the development of new products through the re-use of End of Life Tires (ELT). The project focuses on the creation of urban furniture and playgrounds in areas in Eastern Turkey. Her participation as a collaborator in this project affords her students the opportunity to team with design students in Istanbul. Bell is passionate about teaching across disciplines and cultures. Last year she taught a joint course with the Saunders College of Business in design thinking. She also believes that successful students in the 21<sup>st</sup> century need to have exposure to working across cultures in order to gain a clear understanding of the global society in which they live and work as creative practitioners.





**Left page:** Other Landscape 13, 2011 | Pigmented fiberglass, pigmented steel wire, wood, cast plaster bird, Tupperware, cherry beam, 59x 19 x12 inches (detail)

**Top left:** Professor Roberley Bell

**Middle left:** Prof Ayse Coskun, Prof Roberley Bell, Prof Mehatp Doganca, and students Kadir Has University Istanbul, Turkey

**Bottom left:** Other Landscape; Room With a View | 2009 | Pigmented fiberglass, polychrome steel, found china bird, wood, foam mats, blown glass, plastic ducks, flowers, artificial lemon tree, inflatable dimensions variable

**Bottom right:** Other Landscape 14, 2011 | Pigmented fiberglass, pigmented steel wire, wood, cast plastic rock, cherry beam, 57x 18 x10 inches



**Journal Paper:** Bell, Roberley and Amos Scully. "Soundscape Redefining Landscape." *FATE* Vol 32. (2011): 26-32. Print. \*

**Book Chapter:** Sherman, Mary (Ed.). "PLACE/Paradise Readymade." *Here, There and Everywhere, The Art of Collaboration*. Boston: Trans Cultural Exchange, 2011. 10-13. Print. ~

**Journal Paper:** Bell, Roberley. "Other Landscape Room with a View." *Stone Canoe, a Journal of Arts, Literature and Social Commentary*. 5. (2011): 244-245. Print. \*

**Journal Paper:** Bell, Roberley. "Glass FB." *New Glass Review* 32. (2011): 100-1. Print. \*

## Industrial Design

### **Alex Lobos, Assistant Professor**

**Invited Presentations/Keynotes:** Lobos, Alex and Adam Menter. "Education and Industry: Working Together to Advance the Practice of Sustainable Design." *Annual International Conference*. Industrial Designers Society of America. Roosevelt Hotel, New Orleans, LA. 14 Sep. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Lobos, Alex. "Collaborative, Cross-disciplinary, Project-based Courses for Innovation and Sustainable Design." *Autodesk University*. Autodesk. Venetian Hotel, Las Vegas, NV. 29 Nov. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Lobos, Alex. "Connecting Sustainability and Design." *Workshop on Sustainable Design*. National Taiwan University of Science and Technology. NTUST, Taipei, Taiwan, CH. 4 Aug. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Lobos, Alex. "Bringing Together Emotional Design and Sustainability." *Midwest District Conference*. Industrial Designers Society of America. Hyatt Hotel, Saint Louis, MO. 3 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Lobos, Alex. "A Model Trans-disciplinary Curriculum for Sustainable Design of Electronics." *Electronics and Sustainability Symposium*. University of Illinois. University of Illinois Urbana-Champaign, Champaign, IL. 30 Mar. 2011. Conference Presentation. Δ

## School for American Crafts

### **Richard Tannen, Professor**

**Invited Presentations/Keynotes:** Tannen, Rich. "Cheongju International Craft Biennale Panel Discussion." *Cheongju International Craft Biennale*. Korean government. City of Cheongju, Cheongju, South Korea. 21-24 Sep. 2011. Conference Presentation. £

**Journal Paper:** Locke, Vanessa Austin. "20 Minutes with Rich Tannen." *Furniture and Cabinetmaking* British monthly journal, published by Guild of Master Craftsmen Publications, Ltd. July (2011): 54-55. Print. £



## School of Art

### **Elizabeth Kronfield, Associate Professor**

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. *National Iron*. Apr. 2011. National Conference on Cast Iron Art, Sloss Furnaces National Historic Landmark, Birmingham, AL. Exhibit. \*

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. *The Cutting Room*. Oct. 2011. Six Mile Sculptureworks, Granite City, IL. Exhibit. Δ

**Shows/Exhibits/Installations:** Kronfield, Elizabeth. *Prologues*. Dec. 2011. Gallery r, Rochester, NY. Exhibit. Δ

**Invited Presentations/Keynotes:** Kronfield, Elizabeth. "Visiting Artist." *Intercollegiate Iron*. Salem Art Works. Salem Art Works, Salem, NY. 25 Sep. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Kronfield, Elizabeth, et al. "Coming to Iron from the Other." *National Conference on Cast Iron Art*. Sloss Metal Arts. Sloss Furnaces National Historic Landmark, Birmingham, AL. 14 Apr. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kronfield, Elizabeth, Brittany Kinnard, and William Tighe. "Artist Residency." *Six Mile Sculptureworks*. Alfresco. Sculpture Studios, Granite City, IL. 6 Oct. 2011. Conference Presentation. Δ

### **Thomas Lightfoot, Associate Professor**

**Shows/Exhibits/Installations:** Lightfoot, Tom. *Keep on Truckin.* 6 Oct. 2011. Booksmart Studios Gallery, Rochester, NY. Exhibit. £

## School of Design

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

#### **Published Conference**

**Proceedings:** Frear, Lorrie. "Teamwork+ / Active and Integrated Learning in Multidisciplinary Collaborations." *Proceedings of the Niagara University International Conference on Teaching and Learning, Lewiston, NY, January*. Ed. Committee on College Teaching and Learning. Niagara University, Lewiston, NY: Niagara University, 2011. Web. ~

#### **Published Conference**

**Proceedings:** Frear, Lorrie and Carol Fillip. "When Convergent and Divergent Thinking Meet." *Proceedings of the International Journal of Arts and Sciences Multidisciplinary Conference, Las Vegas, NV, March*. Ed. Joseph Bonnici. International Journal of Arts and Sciences: International Journal of Arts and Sciences Multidisciplinary Conference, 2011. Print. ~

#### **Published Conference**

**Proceedings:** Frear, Lorrie. "Collaboration, Cooperation and Competition in Multidisciplinary Learning Experiences." *Proceedings of the UCDA Design Education Summit, Jersey City, NJ, May*. Ed. The University & College Designers Association. New Jersey: UCDA, 2011. Web. \*

### **Published Conference**

**Proceedings:** Frear, Lorrie and Carol Fillip. "Get Your Sidebearings! The Typographic Carousel Project." *Proceedings of the TypeCon 2011: Surge Conference*. Ed. Society of Typographic Aficionados. New Orleans, LA: Society of Typographic Aficionados (SOTA), 2011. Print. ~

### **Published Conference**

**Proceedings:** Frear, Lorrie and Nancy Ciolek, Chris Jackson, Shaun Foster. "Design is One: Creating a Blended Graduate Curriculum." *Proceedings of the UCDA Design Education Summit, Jersey City, NJ, May*. Ed. UCDA. UCDA: UCDA, 2011. Web. \*

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

Frear, Lorrie. "Letterforms and Literacy for Children." *Spring Meeting of Genesee Valley School Librarians*. Genesee Valley Educational Partnership School Library System. Genesee Valley Educational Partnership School Library System Headquarters, Le Roy, NY. 10 May 2011. Guest Lecture. Δ

### **Shows/Exhibits/Installations:**

Frear, Lorrie. *Celebrate Good Times*. Aug. 2011. Graceful Envelope Contest, National Association of Letter Carriers Headquarters, Washington, DC. Exhibit. \*

### **Chris Jackson, Associate Professor**

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

Jackson, Chris. "Hands On Introduction to After Effects CS5." *Adobe MAX*. Adobe. LA Convention Center, Los Angeles, CA. 3 Oct. 2011. Guest Lecture. \*

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

Jackson, Chris. "Design is One: Creating a Blended Graduate Curriculum." *UCDA Design Educators Conference 2011*. University and College Designers Association. New Jersey City University, Jersey City, NJ. 26 May 2011. Conference Presentation. £

### **Marla Schweppe, Professor**

**Journal Paper:** Schweppe, Marla and Joe Geigel. "Live Theatre on a Virtual Stage: Incorporating Soft Skills and Teamwork in Computer Graphics Education." *IEEE Computer Graphics and Applications* 31. 1 (2011): 85-89. Print. Δ

**Journal Paper:** Geigel, Joe and Marla Schweppe. "Adapting a Virtual World for Theatrical Performance." *IEEE Computer: Special Issue on Computing and the Arts* 44. 12 (2011): 33-38. Print. Δ

**Journal Paper:** Geigel, Joe. "Motion Capture for Real-Time Control of Virtual Actors in Live, Distributed, Theatrical Performances." *IEEE Conference on Automatic Facial and Gesture Recognition*. (2011): 774-779. Print. \*

### **Shows/Exhibits/Installations:**

Schweppe, Marla, projection-designer. *Poetry Reading: Hands, Eyes, and Voices*. Dir. John Roche. 7 May 2011. RIT 07-A30, Rochester. Performance. £

### **Shows/Exhibits/Installations:**

Schweppe, Marla, cast. *Is There Life After High School?* Dirs. James Simmons and Ed Schell, musical director. Mar. 2011. 220 Winton Rd. S., Rochester, NY. Performance. £

**Shows/Exhibits/Installations:**

Schweppe, Marla, projection-designer. *Danser et Voler*. Chor. Thomas Warfield. Feb. 2011. Panara Theatre, Rochester, NY. Performance. £

**Shows/Exhibits/Installations:**

Schweppe, Marla, set-and-projection-designer. *Exit the King*. Dir. Jerry Argetsinger. Feb. 2011. RIT Players, Rochester, NY. Performance. £

## School of Photographic Arts & Sciences

### Denis Defibaugh, Professor

**Shows/Exhibits/Installations:**

Defibaugh, Denis. *Human + Time + Space*. Mar. 2011. DOB Haulamphong Gallery, Bangkok, Thailand. Exhibit. Δ

**Shows/Exhibits/Installations:**

Defibaugh, Denis. *Dia de los Muertos*. Oct. 2011. Sioux Falls Visual Arts Center, Sioux Falls, SD. Exhibit. Δ

**Shows/Exhibits/Installations:**

Defibaugh, Denis. *George Eastman House Benefit Auction*. Oct. 2011. Metropolitan Pavilion, New York City. Exhibit. Δ

**Book Chapter:** Defibaugh, Denis.

"Denis Defibaugh." *Human + Time + Space*. Bangkok, Thailand: DOB Haulamphong Gallery, 2011. na. Print. Δ

**Book Chapter:** Defibaugh, Denis.

"Day of the Dead/Celebrating the Dead." *CNNphotos Blog*. cnnphotos.blogs.cnn.com/2011/11/01celebrating-the-dead/: CNN, 2011. na. Web. Δ

**Invited Presentations/Keynotes:**

Defibaugh, Denis. "The Professional Portfolio." *ASMP-WesternNY*. ASMP-WesternNY. Buffalo, NY, Buffalo, NY. 21 Jul. 2011. Lecture. Δ

**Invited Presentations/Keynotes:**

Defibaugh, Denis. "The Emotion of Light." *Pensacola State College Artist Workshop*. Pensacola State College. Pensacola State College, Pensacola, Florida. 25 May 2011. Lecture. Δ

**Invited Presentations/Keynotes:**

Defibaugh, Denis. "Celebration of the Dead." *na*. Sioux Falls Visual Arts Center. Sioux Falls Visual Arts Center, Sioux Falls, SD. 29 Oct. 2011. Lecture. Δ

### Angela Kelly, Associate Professor

**Invited Presentations/Keynotes:**

Kelly, Angela. "The Photographic Essay." *Photography and the Artists Book Symposium*. Manchester University, Lancaster, England co hosted with Salford University, Salford, England. Special Collections, Manchester Metropolitan University, Manchester, England, UK. 21 Oct. 2011. Conference Presentation. ~

**Shows/Exhibits/Installations:**

Kelly, Angela. *2011 3rd Dali, International Photography Exhibition: "Life is Elsewhere"*. Sep. 2011. Dali, Yunnan Province, China. Exhibit. Δ

**Shows/Exhibits/Installations:**

Kelly, Angela. *Poetry Science and The Photograph*. Mar. 2011. Trois Gallery, Atlanta, GA. Exhibit. \*

**Shows/Exhibits/Installations:**

Kelly, Angela. *Poetry, Science and The Photograph*. Oct. 2011. North Light Gallery, Tempe Az. Exhibit. \*

**Invited Presentations/Keynotes:**

Residence, Artist in. "Lament." *Artist in Residence Program*. Burren College of Art. Ireland, Ballyvaughan, Ireland. 1 Aug. 2011. Conference Presentation. ~

**Invited Presentations/Keynotes:**

Kelly, Angela. "Catharsis: Images of Post Conflict Belfast." *University of Plymouth*. University of Plymouth. Plymouth, England, UK. 31 Oct. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Kelly, Angela. "Catharsis: Images of Post-Conflict Belfast." *Symposium: Photography and the Artist Book Salford University*. Salford University. Salford, Lancs, England. 20 Oct. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Kelly, Angela. "Recent Photography by Angela Kelly." *Visiting Artist Series*. Carlisle University. Carlisle University, Carlisle, England, UK. 10 Nov. 2011. Guest Lecture. Δ

**Shows/Exhibits/Installations:**

Kelly, Angela. "*Spirit of Saltonstall*". Dir. Dan Larkin. Jul. 2011. Tompkins Library, Ithaca. Exhibit. Δ

## School of Print Media

### Charles Bigelow, Lecturer

**Journal Paper:** Legge, Gordon E. and Charles A. Bigelow. "Does Print Size Matter for Reading? A Review of Findings from Vision Science and Typography." *Journal of Vision* 11. 5 (2011): 1-22. Web. \* Δ

**Published Conference**

**Proceedings:** Bigelow, Charles and Steve Matteson. "Font Improvements in Cockpit Displays and Their Relevance to Automobile Safety." *Proceedings of the SID Vehicle Displays and Interfaces Program, October 20-21, Dearborn, MI*. Ed. M. Goldfarb. New York, NY: Society for Information Display, 2011. Print. ~

**Journal Paper:** Bigelow, Charles, et

*al.* "Sustainable by Design: An Investigation into Ecologically Friendly Typography." *A Research Monograph of the Printing Industry Center at RIT*. PICRM-2011-03 (2011): 1-16. Print. Δ

### Twyla Cummings, Professor

**Journal Paper:** Cummings, Twyla

J., Patricia Sorce, and Ashley Walker. "Women vs. Men: How Gender Impacts Employment in the Graphic Communication Industry." *Visual Communications Journal*. Spring (2011): 11-14. Web. £



COLLEGE OF

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**LIBERAL ARTS**

Dean's Office

**James Winebrake, Professor**

**Journal Paper:** Grimes-Casey, Hilary, *et al.* "Economic and Behavioral Uncertainty Analysis within a Predictive Life Cycle Inventory: An Engine Selection Case Study Estimating Rebound Effects." *Journal of Industrial Ecology* 15. 5 (2011): 726-742. Print. \* «

**Journal Paper:** Meyer, Patrick E., *et al.* "Total Fuel-Cycle Analysis of Heavy-Duty Vehicles Using Biofuels and Natural-Gas Based Alternative Fuels." *Journal of the Air and Waste Management Association* 61. (2011): 285-294. Print. \*

**Published Conference**

**Proceedings:** Whitefoot, K., *et al.* "Product and Policy Life Cycle Inventories with Integrated Design and Demand." *Proceedings of the 18th CIRP Conference on Life Cycle Engineering*. Ed. Jurgen Hesselbach and Christoph Herrmann. Braunschweig, Germany: Springer, 2011. Print. \*

Department of Communication

**Andrea Hickerson, Assistant Professor**

**Journal Paper:** Hickerson, Andrea. "Journalists Sourcing and Framing of Abu Ghraib." *Journalism & Mass Communication Quarterly* 88. 4 (2011): 789-806. Print. \*

**Kelly Martin, Assistant Professor**

**Journal Paper:** Gallagher, Victoria J., Kelly Norris Martin, and Magdy Ma. "Visual Wellbeing: Intersections of Rhetorical Theory and Visual Design." *Design Issues* 27. 2 (2011): 25-39. Print. \*

**Journal Paper:** Dannels, Deanna, Amy L. Housley Gaffney, and Kelly Norris Martin. "Students Talk About the Climate of Feedback Interventions in the Critique." *Communication Education* 60. 1 (2011): 95-114. Print. \*

**Michael Saffran**

**Journal Paper:** Saffran, Michael J. "Effects of Local-Market Radio Ownership Concentration on Radio Localism, the Public Interest, and Listener Opinions and Use of Local Radio." *Journal of Radio & Audio Media* 18. 2 (2011): 281-294. Print. Δ

(continued on page 58)

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**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

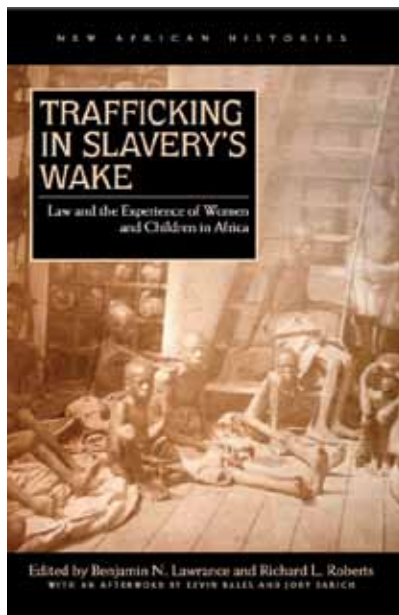
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# Promoting social change through global learning.

**BENJAMIN N. LAWRENCE** HOLDS THE BARBER B. CONABLE, JR. ENDOWED CHAIR IN INTERNATIONAL STUDIES. HIS RESEARCH FOCUSES ON COMPARATIVE AND CONTEMPORARY SLAVERY, CHILD TRAFFICKING, CUISINE AND GLOBALIZATION, HUMAN RIGHTS, AND ASYLUM.



Professor Lawrence is an accomplished author who has published a number of books and articles. His essays appear in the *Law in Context*, *Seattle Journal of Social Justice*, the *International Labor and Working Class History*, *Food & Foodways*, the *Journal of African History*, *African Economic History*, *Anthropological Quarterly*, *Cahiers d'Études Af-*

*ricaines*, and the *African Studies Review*, among others. His fifth published book, forthcoming with Ohio University Press, titled *Trafficking in Slavery's Wake: Law and the Experience of Women and Children in Africa*, is on historical and contemporary trafficking in Africa. He is also currently writing a history of West African child trafficking in the 19th century.

Lawrence also holds the Barber B. Conable, Jr. Endowed Chair in International Studies. He is responsible for the annual Conable Distinguished Lecture series and the Conable Global Film Series. The Conable Conference in 2012 will be the first time the topic of asylum and expert testimony has been addressed from the perspective of the scholars producing expertise in immigration courts. (<http://www.rit.edu/cla/conable/>)

Lawrence is a legal consultant on the contemporary political, social and cultural climate in West Africa. He has served as an expert witness for over one hundred and sixty asylum claims of West Africans in the US, Canada, the UK, the Netherlands, Hong Kong, and Israel, and his opinions have been featured in appellate rulings in the US and the UK.

Lawrence is the recipient of several national and international awards, including a 2011-12 faculty development fellowship from the National Endowment for the Humanities, and fellowships at Yale, Harvard, the University of Notre Dame, the Rotary Foundation, and the inaugural University of California President's Fellowship in the Humanities.





**Left page:** Lawrance's fifth book, *Trafficking in Slavery's Wake* **Bottom left:** Lawrance's fourth book, *Local Food Meet Global Foodways* **Bottom right:** Conable film series screens films from around the globe



EDITED BY BENJAMIN N. LAWRENCE AND CAROLYN DE LA PEÑA

# LOCAL FOODS MEET GLOBAL FOODWAYS

TASTING HISTORY



With contributions by Carole Counihan and Rachel Laudan



# CONABLE GLOBAL FILM SERIES

FACULTY SCHOLARSHIP: COLLEGE OF LIBERAL ARTS

**Journal Editor:** Saffran, Michael J., ed. *Journal of Radio & Audio Media (Radio Localism symposium)*. Philadelphia: Taylor & Francis/Routledge, 2011. Print. Δ

**Jonathan Schroeder, Professor**

**Journal Paper:** Pongsakornrungsilp, Siwarit and Jonathan Schroeder. "Understanding Value Co-creation in a Co-consuming Brand Community." *Marketing Theory* 11. 3 (2011): 303-324. Print. «

**Book Chapter:** Schroeder, Jonathan. "Brand Culture." *Concise Encyclopedia of Sociology*. Ed. George Ritzer. Thousand Oaks, CA: Sage, 2011. 41-42. Print. Δ

**Book Chapter:** Campbell, Norah and Jonathan Schroeder. "Visual Culture." *Encyclopedia of Consumer Culture*. Ed. Dale Southerton. Thousand Oaks, CA: Sage, 2011. 100-121. Web. £

**Book Chapter:** Schroeder, Jonathan. "Value Creation and the Visual Consumer." *Beyond the Consumption Bubble*. Ed. Karin Ekstom and Kay Glans. London: Routledge, 2011. 137-148. Print. Δ £

**Published Conference**

**Proceedings:** Zhao, Xin, et al. "Chinese Consumer Culture and Brand Culture." *Proceedings of the Asia Pacific Advances in Consumer Research, Beijing, June 2011*. Ed. Zhihong Yi, Jing Jian Xiao, June Cotte, and Linda Price. Duluth, MN: Association for Consumer Research, Print. «

**Published Conference**

**Proceedings:** Wu, Zhiyan, Janet Borgerson, and Jonathan Schroeder. "A Cultural Approach to Chinese Brand Development." *Proceedings of the Asia Pacific Association for Consumer Research, Beijing, June 2011*. Ed. Zhihong Yi, et al. Duluth, MN: Association for Consumer Research, 2011. Print. «

**Published Conference**

**Proceedings:** Schroeder, Jonathan. "Global Brand Culture." *Proceedings of the European Advances in Consumer Research, 2011*. Ed. Pauline Maclaran, Chris Hackley, and Alan Bradshaw. Duluth, MN: Association for Consumer Research, 2011. Print. «

**Published Conference**

**Proceedings:** Pongsakornrungsilp, Siwarit, T. Pusaksrikit, and Jonathan Schroeder. "Co-creation through Fear, Faith and Desire." *Proceedings of the European Advances in Consumer Research, 2011*. Ed. Pauline Maclaran, Chris Hackley and Alan Bradshaw. Duluth, MN: Association for Consumer Research, Web. «

**Published Conference**

**Proceedings:** Wu, Zhiyan, Janet Borgerson, and Jonathan Schroeder. "Imagined Brands in Global Brand Culture: China and the Beijing Olympic Opening Ceremony." *Proceedings of the European Advances in Consumer Research, 2011*. Ed. Pauline Maclaran, Chris Hackley, and Alan Bradshaw. Duluth, MN: Association for Consumer Research, 2011. Web. «

**Journal Editor:** Schroeder, Jonathan, ed. *Consumption Markets & Culture*. London: Routledge, 2011. Print. «

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "Snapshot Aesthetics in Brand Culture." *Making Sense of Visual Culture*. Graduate Program in Visual and Cultural Studies. University of Rochester, Rochester, New York. 2 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "Snapshot Aesthetics in Brand Culture." *Marketing Seminar Series*. Schulich School of Business. York University, Toronto, Ontario. 30 Jan. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "Brand Culture: How Brands Work to Produce Meaning and Value." *Insight Seminars*. Truth Branding Agency. Charterhouse Street, London, UK. 2 Jun. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "The Artist as Brand Manager." *Arts Seminar*. Arts Management Program. University at Buffalo, Buffalo, NY. 25 Oct. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "Images in Brand Culture." *Masters course*. Advertising and Public Relations Department. Stockholm University, Stockholm, Sweden. 2 Nov. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Schroeder, Jonathan and Janet Borgerson. "Skin Signs: Fashioning Identity in Consumer Culture." *Department Speaker Series*. Center for Fashion Studies. Stockholm University, Stockholm, Sweden. 4 Nov. 2011. Lecture. Δ

**Invited Presentations/Keynotes:** Taalas, Saara, Marcus Lindahl, and Jonathan Schroeder. "Another Side of Knowledge Work." *European Group for Organization Studies*. Gothenburg University. School of Business, Economics, and Law, Gothenburg, Sweden. 8 Jul. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:** Schroeder, Jonathan. "Disposing: Constructing and Structuring Consumption." *Association for Consumer Research Annual Conference*. ACR. Hyatt Hotel, St. Louis, MO. 14 Oct. 2011. Conference Presentation. «

**External Scholarly Fellowships:**  
7/1/2011 -  
8/31/2012  
Economic and Social Research Council, UK  
Amount: \$18,134 «

**Xiao Wang, Assistant Professor**

**Journal Paper:** Wang, Xiao. "The Role of Anticipated Guilt in Intentions to Register as Organ Donors and to Discuss Organ Donation with Family." *Health Communication* 26. 8 (2011): 683-690. Print. « £



**Journal Paper:** Wang, Xiao and Steven R. McClung. "Toward a Detailed Understanding of Illegal Digital Downloading Intentions: An Extended Theory of Planned Behavior Approach." *New Media and Society* 13. 4 (2011): 663-677. Print. « £

**Journal Paper:** Wang, Xiao. "The Role of Anticipated Negative Emotions and Past Behavior in Individuals' Physical Activity Intentions and Behaviors." *Psychology of Sport and Exercise* 12. 3 (2011): 300-305. Print. « £

**Tracy Worrell, Assistant Professor**

**Invited Presentations/Keynotes:** Worrell, Tracy R. "It Matters to Me: An Examination of the Impact of Information Utility on PSA Message Perceptions." *97th Annual National Communication Association Convention*. NCA. New Orleans Marriott/Sheraton New Orleans, New Orleans, LA. 18 Nov. 2011. Conference Presentation. \*

Department of Criminal Justice

**Laverne McQuiller, Associate Professor**

**Journal Paper:** Porter, Judy and LaVerne McQuiller Williams. "Intimate Violence Among Underrepresented Groups on a College Campus." *Journal of Interpersonal Violence* 26. 16 (2011): 3210-3224. Print. «

**Journal Paper:** Porter, Judy and LaVerne McQuiller Williams. "Auditory Status and Experiences of Abuse Among College Students." *Violence and Victims* 26. 6 (2011): 788-798. Print. «

**Invited Presentations/Keynotes:** Porter, Judy. "Deaf and Hard of Hearing Gay, Lesbian or Bisexual College Students: Sexual, Psychological, and Physical Abuse." *Academy of Criminal Justice Sciences*. Academy of Criminal Justice Sciences. Toronto, Toronto, Canada. 5 Mar. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Porter, Judy. "African-American College Students Experiences of Sexual, Psychological and Physical Violence." *American Society of Criminology*. American Society of Criminology. Washington DC, Washington, DC. 5 Nov. 2011. Conference Presentation. Δ

**Christopher Schreck, Professor**

**Journal Paper:** McGloin, Jean Marie, et al. "Predicting the Violent Offender: The Discriminant Validity of the Subculture of Violence." *Criminology* 49. 3 (2011): 767-794. Print. «

**Book Chapter:** Schreck, Christopher J. and Eric A. Stewart. "The Victim-Offender Overlap and its Implications for Juvenile Justice." *The Handbook of Juvenile Crime and Juvenile Justice*. Ed. Barry C. Feld and Donna M. Bishop. New York: Oxford University Press, 2011. 47-70. Print. Δ

**Journal Editor:** Schreck, Christopher J., ed. *Journal of Criminal Justice Education*. Philadelphia, PA: Taylor and Francis, 2011. Print. «

### **Jason Scott, Associate Professor**

**Book Chapter:** Smith, Tony R. and Jason Scott. "Policing and Crime Prevention." *Crime Prevention*. Ed. David A. Mackey and Kristine Levan. Burlington, MA: Jones & Bartlett Learning, 2013. 61-92. Print. ~

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

Scott, Jason, Peter Tran, and John McCluskey. "Street Corner Crackdowns and the Impact on Crime." *Annual Meeting of the Academy of Criminal Justice Sciences*. Academy of Criminal Justice Sciences. Sheraton Centre, Toronto, Ontario, Canada. 4 Mar. 2011. Conference Presentation.

### **Tony Smith, Assistant Professor**

**Journal Paper:** Stevens, Bradley R., et al. "A Deadly Mix? An International Investigation of Handgun Availability, Drinking Culture and Homicide." *International Journal of Comparative & Applied Criminal Justice* 35. 1 (2011): 39-51. Print. \*

## Department of Economics

### **Fjorentina Angjellari Dajci, Visiting Assistant Professor**

**Journal Paper:** Angjellari-Dajci, Fjorentina and W.F. Lawless, D.A. Sofge, J. Grayson, J.L. Sousa and L. Rychly. "A New Approach to Organizations: Stability and Change in Dark Social Networks." *Journal of Enterprise Transformation* 1. 4 (2011): 290-322. Print. «

**Book Chapter:** Angjellari-Dajci, Fjorentina, et al. "Social Network Analysis and Bistability: From Theory to a Computational Model of Control." *Handbook of Research on Business Social Networking: Organizational, Managerial, and Technological Dimensions*. Ed. M. Cruz-Cunha, et al. Hershey, PA: Global IGI, 2011. 14-33. Web. «

#### **Published Conference**

**Proceedings:** Angjellari-Dajci, Fjorentina and F. Goldstein and W.F. Lawless. "Cost-Effectiveness of a Telepsychiatric Service Delivery to Autistic Children." *Proceedings of the International Society for Telemedicine and e-Health (ISfTeH) Med-e-Tel Conference*. Ed. Lievens, F., Jordanova, M.. Luxembourg, G.D. of Luxembourg: ISfTeH, 2011. Print. «

#### **Published Conference**

**Proceedings:** Angjellari-Dajci, Fjorentina, et al. "The Potential Socio-Economic Impact of Using Telehealth Technologies for Diagnosis and Management of Autism Spectrum Disorders: A Case Study Progress Report." *Proceedings of the International Society for Telemedicine and e-Health (ISfTeH) Med-e-Tel Conference*. Ed. F. Lievens and M. Jordanova. Luxembourg, G.D. of Luxembourg: ISfTeH, 2011. Print. «

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

Angjellari-Dajci, Fjorentina. "A Benefit-Cost Methodological Framework for Evaluating Telehealth Models in Autism." *2011 American Telemedicine Association International Meeting and Exposition*. ATA Tampa Convention Center, Tampa, FL. 3 May 2011. Conference Presentation. «

### **Amit Batabyal, Professor**

**Journal Paper:** Batabyal, A. A. and P. Nijkamp. "The Impact of Neutral and Non-Neutral Productivity Growth on Creative Capital in a Trading Regional Economy." *Geographical Analysis* 43. (2011): 61-77. Print. \*

**Journal Paper:** Batabyal, A. A. "On Optimizing the Provision of Guided Tours to Tourists During the Slack Season." *Letters in Spatial and Resource Sciences* 4. (2011): 63-70. Print. \*

**Journal Paper:** Batabyal, A. A. and H. Beladi. "An Alternate Approach to Modeling the Slack Season Provision of Guided Tours to Tourists." *Tourism Management* 32. (2011): 1047-1049. Print. \*

**Journal Paper:** Batabyal, A. A. "A Note on the Use of Markov Chains to Analyze the Off-Peak Season Provision of Guided Tours to Tourists." *International Journal of Tourism Research* 13. (2011): 301-304. Print. \*

**Journal Paper:** Batabyal, A. A. and H. Beladi. "Transport Provision to Tourists by a Cost Minimizing Firm: A Stochastic Characterization." *Letters in Spatial and Resource Sciences* 4. (2011): 103-108. Print. \*

**Journal Paper:** Batabyal, A. A. and H. Beladi. "Ecological, Economic, and New Synthetic Perspectives in Range Management: An Interpretative Essay." *International Review of Environmental and Resource Economics* 5. (2011): 147-198. Print. \*

**Journal Paper:** Batabyal, A. A. and H. Beladi. "A Stochastic Dynamic Programming Approach to Decision Making in Arranged Marriages." *Applied Mathematics Letters* 24. (2011): 2197-2200. Print. \*

**Journal Paper:** Batabyal, A. A. and H. Beladi. "The Effects of Collateralizable Income and Debt Overhang on Entrepreneurial Investment in an Open Regional Economy." *Journal of Regional Science* 51. (2011): 768-783. Print. \*

**Book Chapter:** Batabyal, A. A. and P. Nijkamp. "Introduction to Research Tools in Natural Resource and Environmental Economics." *Research Tools in Natural Resource and Environmental Economics*. Ed. A. A. Batabyal and P. Nijkamp. Singapore: World Scientific Publishing, 2011. 3-26. Print. \*

**Full Length Book:** Batabyal, A. A. and P. Nijkamp. *Research Tools in Natural Resource and Environmental Economics*. 1st ed. Singapore: World Scientific Publishing, 2011. Print. \*

### **Bharat Bhole, Associate Professor**

**Journal Paper:** Bhole, Bharat and Brid Gleeson Hanna. "Do Higher Defendant Reversal Rates Imply Appellate Court Plaintiphobia?" *Applied Economics Research Bulletin* Forthcoming. (2011): Forthcoming. Web. \*

### **Venera Dumukaj**

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

1/1/2012 -

7/20/2013

Regional Research Promotion  
Program RRPP

Amount: 32,476 CHF ≠

**Bridget Gleeson, Associate Professor**

**Journal Paper:** Hanna, Brid Gleeson and Bharat Bhole. "Do Higher Defendant Reversal Rates Imply Appellate Court Plaintiphobia?" *Applied Economics Research Bulletin*. (2011): Forthcoming. Web. \*

**Thomas Hopkins, Professor**

**Journal Paper:** Hopkins, Thomas D. "The Evolution of Regulatory Oversight--CWPS to OIRA." *Administrative Law Review* 63. OIRA Special Edition (2011): 71-77. Print. Δ

**Jeffrey Wagner, Associate Professor**

**Journal Paper:** Longo, Christine and Jeffrey Wagner. "Bridging Legal and Economic Perspectives on Interstate Municipal Solid Waste Disposal in the U.S." *Waste Management* 31. 1 (2011): 147-153. Print. \*

**Journal Paper:** Wagner, Jeffrey. "Incentivizing Sustainable Waste Management." *Ecological Economics* 70. 4 (2011): 585-594. Print. \*

**Journal Paper:** Pugliese, Tyler and Jeffrey Wagner. "Competing Impure Public Goods and the Sustainability of the Theater Arts." *Economics Bulletin* 31. 2 (2011): 1295-1303. Web. «

Department of English

**Cecilia Alm, Visiting Assistant Professor**

**Published Conference**

**Proceedings:** Alm, Cecilia Ovesdotter. "Subjective Natural Language Problems: Motivations, Applications, Characterizations, and Implications." *Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics: Human Language Technologies*. Ed. unknown. Portland, OR: The Association for Computational Linguistic, 2011. Web. «

**Book Chapter:** Alm, Cecilia Ovesdotter. "What Can Language Technologies do for Endangered Languages, and Vice Versa?" *Endangered Languages: Voices and Images, FEL XV*. Ed. M. Haboud and N. Ostler. Bath: Foundation for Endangered Languages, 2011. 98-102. Print. £

**Sharon Beckford-Foster, Assistant Professor**

**Full Length Book:** Beckford, Sharon Morgan. *Naturally Woman: The Search for Self in Black Canadian Women's Literature*. First ed. Toronto, Canada: Inanna Publications and Education Inc., 2011. Print. \*

**Babak Elahi, Associate Professor**

**Journal Editor:** Tavakoli-Targhi, Mohammad, Babak Elahi (Guest Editor), and Persis Karim (Guest Editor), ed. *Comparative Studies in South Asia, Africa and the Middle East*. Durham, NC: Duke, 2011. Print. \*



**Vincent Golphin, Assistant Professor**

**Full Length Book:** Golphin, Vincent F. A. *10 Stories Down*. Kanona, NY: Foothills Publishing, 2011. Print. ~

**Michelle Jansen, Visiting Assistant Professor**

**Journal Paper:** Jansen, Shelly. "Exchange and Restoration: Sacrifice as a Commemorative Act in Iphigenia in Aulis." *Watermark* 5. (2011): 160-77. Print. \*

**John Roche, Associate Professor**

**Published Review:** Roche, John. "Hugh Fox, Approaching: Poems of Brazil." Rev. of Approaching: Poems of Brazil, ed. Diane Smith. *Gray Sparrow Journal* May 2011: 1. Web. £

**Full Length Book:** Roche, John. *Road Ghosts*. 1st ed. Palmyra, NY: theenk Books, 2011. Print.

**Michael Sarnowski, Visiting Assistant Professor**

**External Scholarly Fellowships:**  
1/1/2011 -  
1/15/2011  
Vermont Studio Center -  
Writing Residency Fellowship  
Amount: \$1,400.00 ≠

**Journal Editor:** Sarnowski, Michael, ed. *Anis Mojgani- "The Feather Room"*. Long Beach, CA: Write Bloody Publishing, 2011. Print. ^

**Journal Editor:** Sarnowski, Michael, ed. *Ben Clark- "Reasons to Leave the Slaughter"*. Long Beach, CA: Write Bloody Publishing, 2011. Print. ^

**Book Chapter:** Sarnowski, Michael. "Judy Garland, Live in Chelsea, London, June 23rd, 1969 and Self Portrait." *Excerpt from "A Map to the Catacombs"*. BlackHeartMagazine.com: Black Heart Magazine, 2011. 1-2. Web. ~

**Book Chapter:** Sarnowski, Michael. "Quiet Nights in the Afterlife and Emptying Lots." *Excerpt from "A Map to the Catacombs"*. Blastfurnacepress.com: Blast Furnace, 2011. 1-2. Web. ~

**Book Chapter:** Sarnowski, Michael. "This is Not Ukraine, This is my Apartment." *Excerpt from "A Map to the Catacombs"*. Potomac Review: Potomac Review- Montgomery College, 2011. 11-11. Print. ~

Department of Fine Arts

**Elizabeth Goins, Assistant Professor**

**Book Chapter:** Goins, Elizabeth S. "Museum Games and Interactive Narrative & Design: The Way We Tell Stories with Object." *Museums At Play: A Games, Interaction and Learning*. Ed. Katy Beale. Edinburgh, UK: MuseumsEtc, 2011. 500-517. Print. £ ^

**Published Conference**

**Proceedings:** Goins, Elizabeth. "Museum Games: Some Strategies for Achieving Project Goals." *Proceedings of the Museums and the Web, Philadelphia, April 6-9, 2011*. Ed. Jennifer Trant and David Bearman. Philadelphia: *n.p.*, 2011. Web. \* ^

## Department of History

### **Tamar Carroll, Assistant Professor**

**Published Review:** Carroll, Tamar W. "Love and (Gender) Trouble in Interwar African American Marriages." Rev. of *Stormy Weather: Middle-Class African American Marriages Between the Two World Wars*, by Anastasia Carol Curwood. *H-Law, H-Net* Aug. 2011: 1-3. Web. ~

### **Rebecca Scales, Assistant Professor**

**Invited Presentations/Keynotes:** Scales, Rebecca. "Metissage on the Airwaves: Colonial Modernity and the Cultural History of Imperial Broadcasting in French Colonial Algeria." *Building Empires on the Air: Histories and Geopolitics of Radio and Empire*. National University of Ireland-Galway. Moore Institute, Galway, Ireland. 1 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Scales, Rebecca. "Subversive Sound: Transnational Broadcasting and Colonial Borders in the French Mediterranean, 1934-1939." *Annual Meeting of the American Historical Association*. American Historical Association. John B. Hynes Memorial Veterans Convention Center/Boston Marriott Copley Place/Westin Copley Place Boston, Boston, MA. 3 Jan. 2011. Conference Presentation. Δ

## Department of Modern Languages and Cultures

### **Elisabetta D'Amanda, Lecturer**

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "Il cinema etico di Mimmo Calopresti [The Ethical Cinema of Mimmo Calopresti]." *New Trends in Modern and Contemporary Italian Cinema Symposium*. Indiana University. Indiana University in Bloomington, IN, Bloomington, IN. 15 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "De Santis da Uomini e Lupi a Riso Amaro [De Santis from Uomini e Lupi To Riso Amaro]." *Annual AATI (American Association of Teachers of Italian) 2010 Convention*. AATI. Erice Town Hall, Erice, Italy. 25 May 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** D'Amanda, Elisabetta Sanino. "The Ethical Cinema of Mimmo Calopresti (Presented in English)." *Annual ACTFL (American Council of Teachers of Foreign Languages) Conference*. ACTFL - AATI (American Association of Teachers of Italian). Colorado Convention Center, Boulder, CO. 18 Nov. 2011. Conference Presentation. Δ

## Department of Philosophy

### **Silvia Benso, Professor**

**Book Chapter:** Benso, Silvia. "Introduction: Struggling with the Angel: Time, Finitude, and Metaphysical Sentiment." *The Possible Present*. Ed. Ugo Perone. Albany, NY: SUNY Press, 2011. IX-XVIII. Print. Δ

**Invited Presentations/Keynotes:**

Benso, Silvia. "Stoic Cosmopolitanism Between Now and Then: Embodied Citizens of the World." *Ancient Philosophy Society*. Utah Valley University. Sundance Resort, Salt Lake City, UT. 13 Apr. 2011. Keynote Speech. Δ

**Journal Paper:** Guglielminetti, Enrico, *et al.* "Thinking of Work." *SpazioFilosofico*. 1 (2011): n/a. Web.

**Invited Presentations/Keynotes:**

Benso, Silvia. "Hermeneutic Communism Between Archeology and Eschatology: Is Anything Missing?" *Hermeneutic Communism Conference*. Stony Brook University. Manhattan Campus, New York, NY. 19 Oct. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Benso, Silvia. "Gianni Vattimo's Politics Between Reformism and Revolution." *Society for Phenomenology and Existential Philosophy*. Villanova University/Penn State University. Philadelphia, Philadelphia, PA. 21 Oct. 2011. Conference Presentation.

**Evelyn Brister, Assistant Professor**

**Journal Paper:** Brister, Evelyn, Elizabeth Hane, and Karl Korfmacher. "Visualizing Plant Community Change Using Historical Records." *International Journal of Applied Geospatial Research* 2. 4 (2011): 1-18. Print. \*

**Book Chapter:** Brister, Evelyn. "On Scientific Advocacy: Putting Values and Interests in Their Place." *Science at the Frontiers: Perspectives on the History and Philosophy of Science*. Ed. William Krieger. Lanham, MD: Lexington Books, 2011. 157-174. Print. Δ

**John Capps, Associate Professor**

**Book Chapter:** Capps, John. "Epistemology, Logic, and Inquiry." *The Continuum Companion to Pragmatism*. Ed. Sami Pihlstrom. New York, NY: Continuum, 2011. 81-91. Print. Δ

**Brian Schroeder, Professor**

**Journal Paper:** Guglielminetti, Enrico, *et al.* "Thinking of Work." *SpazioFilosofico* 1. 1 (2011): 11-12. Print. £

**Invited Presentations/Keynotes:**

Schroeder, Brian. "Old World and New World Perspectives on the Environment." *International Society for Environmental Ethics*. International Society for Environmental Ethics. Radboud University, Nijmegen, The Netherlands. 15 Jun. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:**

Schroeder, Brian. "Hegel and Absolute Difference." *Comparative and Continental Philosophy Circle*. University of Cork. University of Cork, Cork, Ireland. 3 Mar. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**

Schroeder, Brian. "Oneness is not Sameness: Reflections on Goodness, Peace and Truth." *Soto Zen Seminar on Interfaith*. University of Seattle and Eishoji Zen Community. University of Seattle, Seattle, WA. 5 Nov. 2011. Guest Lecture. Δ

**Full Length Book:** Davis, Bret W., Brian Schroeder, and Jason M. Wirth, eds. *Japanese and Continental Philosophy: Conversations with the Kyoto School*. 1st ed. Bloomington & Indianapolis: Indiana University Press, 2011. Print. \*

**Book Chapter:** Schroeder, Brian and Bret W. Davis. "Conversations on an Ox Path." *Japanese and Continental Philosophy: Conversations with the Kyoto School*. Ed. Bret W. Davis, Brian Schroeder, and Jason M. Wirth. Bloomington & Indianapolis: Indiana University Press, 2011. 1-16. Print. \*

**Book Chapter:** Schroeder, Brian. "Other-Power and Absolute Passivity in Tanabe and Levinas." *Japanese and Continental Philosophy: Conversations with the Kyoto School*. Ed. Bret W. Davis, Brian Schroeder, and Jason M. Wirth. Bloomington & Indianapolis: Indiana University Press, 2011. 193-211. Print. \*

**Invited Presentations/Keynotes:** Schroeder, Brian. "Teaching and Truth: Plato, Levinas and the Vision of Universal Ethics." *Hale Ethics Lecture Series*. Hale Chair of Applied Ethics. RIT, Rochester, NY. 27 Oct. 2011. Lecture. Δ

### **Katie Terezakis, Associate Professor**

**Book Chapter:** Terezakis, Katie. "Living Form and Living Criticism." *Georg Lukacs Reconsidered: Essays on Politics, Philosophy and Aesthetics*. Ed. Michael Thompson. New York: Continuum, 2011. 211-228. Print. Δ £

**Book Chapter:** Terezakis, Katie. "Is Theology Possible After Hamann?" *Hamann and the Tradition*. New York: Northwestern University Press, 2012. 313-323. Print. Δ £

### **External Scholarly Fellowships:**

7/1/2010 -

8/1/2011

John William Miller Fellowship Fund

Amount: \$45,000 \*

### **Lawrence Torcello, Assistant Professor**

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

Torcello, Lawrence. "Death and the Living: A Learning Community in Bioethics." *Bioethics Reading Group*. Center for Ethics, Humanities, and Palliative Care. University of Rochester Medical Center, Rochester, NY. 10 May 2011. Lecture. Δ

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

Torcello, Lawrence. "A Philosophical Review of Passive and Active Euthanasia." *Ethics Grand Rounds Series*. Rochester General Hospital. Rochester General Hospital, Rochester, NY. 28 Jun. 2011. Lecture. Δ

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

Torcello, Lawrence. "Ethics, Animal Rights, and Animal Welfare." *Veterinary Practice: Ethics and Animal Care*. College of Veterinary Medicine, Cornell University. Cornell University, Ithaca, New York. 7 Nov. 2011. Guest Lecture. Δ

**Book Chapter:** Torcello, Lawrence and Stephen Wear. "The Commercialization of Human Body Parts: A Reappraisal from a Protestant Perspective (reprinted from previously published article)." *The International Trafficking of Human Organs: A Multidisciplinary Approach* ed. Boca Raton, FL: CRC Press, 2011. 227-243. Print. £



**Book Chapter:** Torcello, Lawrence. "Animal Rights." *Encyclopedia of Global Justice*. Ed. Deen Chatterjee. London: Springer, 2011. 40-43. Print. ~

**Book Chapter:** Torcello, Lawrence. "Liberal Pluralism." *Encyclopedia of Global Justice*. Ed. Deen Chatterjee. London: Springer, 2011. 647-650. Print. ~

**Book Chapter:** Torcello, Lawrence. "Separation of Church and State." *Encyclopedia of Global Justice*. Ed. Deen Chatterjee. London: Springer, 2011. 995-999. Print. ~

**Book Chapter:** Torcello, Lawrence. "Singer, Peter." *Encyclopedia of Global Justice*. Ed. Deen Chatterjee. London: Springer, 2011. 1005-1009. Print. ~

**Journal Paper:** Torcello, Lawrence. "Sophism and Moral Agnosticism, Or, How to Tell a Relativist from a Pluralist." *The Pluralist* 6. 2 (2011): 87-108. Print. «

**Journal Paper:** Torcello, Lawrence. "The Ethics of Inquiry, Scientific Belief, and Public Discourse." *Public Affairs Quarterly* 25. 3 (2011): 197-215. Print. «

## Department of Political Science

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

**Journal Paper:** Hall, Lauren K. "Political Graveyards: The Political Significance of Burial and Remembrance." *Society* 48. 4 (2011): 316-322. Print. \*

**Journal Paper:** Hall, Lauren K. "Rights and the Heart: Emotions and Rights Claims in the Political Theory of Edmund Burke." *Review of Politics* 73. (2011): 1-23. Print. «

## Department of Psychology

### **Nicholas DiFonzo, Professor**

**Journal Paper:** Fine, G. A. and N. DiFonzo. "Uncertain Knowledge." *Contexts* 10. 3 (2011): 16-21. Print. \*

**Invited Presentations/Keynotes:** Difonzo, N. "Rumor Accuracy: Finding Facts or Fashioning Fallacies?" *University of Baltimore Psi Chi Meeting*. University of Baltimore Psi Chi Chapter. University of Baltimore, Baltimore, MD. 12 Oct. 2011. Lecture. Δ

### **John Edlund, Assistant Professor**

**Journal Paper:** Edlund, John E. "Jealousy Reconsidered: A Reply to DeSteno (2010)." *Evolutionary Psychology* 9. (2011): 116-117. Web. \* «

### **Andrew Herbert, Associate Professor**

**Journal Paper:** Cattaneo, Z., et al. "The Role of the Human Extrastriate Visual Cortex in Mirror Symmetry Discrimination: A TMS-adaptation Study." *Brain and Cognition* 77. (2011): 120-127. Print. \*

### **Esa Rantanen, Associate Professor**

**Journal Paper:** Stankovic, Stephanie, et al. "Individual Differences in the Effect of Vertical Separation on Conflict Detection in Air Traffic Control." *International Journal of Aviation Psychology* 21. 4 (2011): 325-342. Print. ~

### **Published Conference**

**Proceedings:** Rantanen, E. M. and W. F. Moroney. "Educational and Skill Needs for New Human Factors/Ergonomics Professionals." *Proceedings of the The 55th Annual Meeting of the Human Factors and Ergonomics Society, Las Vegas, NV, September 19-23, 2011*. Ed. Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society, 2011. Print. \*

### **Published Conference**

**Proceedings:** Rantanen, E. M. and J. L. Smagner. "User Experience with Cybercollaboration Technologies." *Proceedings of the The 55th Annual Meeting of the Human Factors and Ergonomics Society*. Ed. Human Factors and Ergonomics Society. Santa Monica, CA: Human Factors and Ergonomics Society, 2011. Print. \* †

### **Published Conference**

**Proceedings:** Stankovic, S., E. M. Rantanen, and N. Ponomarenko. "Conflict Detection in Air Traffic Control: Distinguishing Between Judgments of Conflict Risk and Intervention Decisions." *Proceedings of the The 16th International Symposium on Aviation Psychology*. Ed. International Symposium on Aviation Psychology. Dayton, OH: *n.p.*, 2011. Print. £

### **Published Conference**

**Proceedings:** Rantanen, E. M. and E. Fokoue. "Data Mining Techniques to Derive Human and System Performance Measures of Air Traffic Control from Operational Data." *Proceedings of the 16th International Symposium on Aviation Psychology*. Ed. International Symposium on Aviation Psychology. Dayton, OH: *n.p.*, 2011. Print. £

## Department of School Psychology

### **Vincent Pandolfi, Associate Professor**

**Book Chapter:** Magyar, Caroline I. and Vincent Pandolfi. "Student Evaluation." *Developing and Evaluating Educational Programs for Students with Autism*. New York: Springer, 2011. 159-180. Print. Δ

**Book Chapter:** Magyar, Caroline I. and Vincent Pandolfi. "Case Example: Inclusion Program Development." *Developing and Evaluating Educational Programs for Students with Autism*. New York: Springer, 2011. 235-245. Print. Δ

**Book Chapter:** Magyar, Caroline I. and Vincent Pandolfi. "Case Example: Redesigning a Specialized School." *Developing and Evaluating Educational Programs for Students with Autism*. New York: Springer, 2011. 247-271. Print. Δ

**Book Chapter:** Magyar, Caroline I. and Vincent Pandolfi. "Building Regional Capacity: Select Case Examples." *Developing and Evaluating Educational Programs for Students with Autism*. New York: Springer, 2011. 273-289. Print. Δ

Department of Sociology &  
Anthropology

**Conerly Casey, Associate Professor**

**Invited Presentations/Keynotes:**

Casey, Conerly. "Amplifying Memory: Topographies, Collaborations, Mediations in Post-invasion Kuwait." *Mind, Medicine and Culture*. University of California, Los Angeles, Department of Anthropology and Center for Near East Studies. University of California, Los Angeles, Los Angeles, CA. 25 Apr. 2011. Lecture. Δ ≠

**Invited Presentations/Keynotes:**

Casey, Conerly. "Mediating 'Justice': Youths, Media and Affective Justice in the Politics of Northern Nigeria." *Democracy and Prebendal Politics in Nigeria: Critical Reinterpretations*. Kayode Fayemi, Governor of Ekiti State, Nigeria, host; Dr. Wale Adebani and Dr. Ebenezer Obadare, co-organizers. Eko Hotel, Lagos, Lagos, Nigeria. 10 Sep. 2011. Conference Presentation. Δ ≠

**Invited Presentations/Keynotes:**

Casey, Conerly. "Vigilant Attunements: Danger and the Magic-art of Global Media; Current work in person centered ethnography: Tensions Between Subjects and their Milieux." *Society for Psychological Anthropology Biennial meetings*. Society for Psychological Anthropology; Jacob Hickman, organizer. Sheraton Delfina Hotel, Los Angeles, CA. 2 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Casey, Conerly. "Tanko: Witchcraft Affliction and Paranoid Schizophrenia; Panel title: Cultural Variability in Schizophrenia: What We Do and Don't Know." *Society for Psychological Anthropology Biennial meetings*. Society for Psychological Anthropology. Sheraton Delfina Hotel, Los Angeles, CA. 2 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Casey, Conerly. "Vigilant Attunements: Violence and the Magic-art of Global Media in Northern Nigeria; Panel title, The Aesthetics of the Global, organized by Bhaskar Sarkar and Bishnu Ghosh." *Society for Cinema and Media Studies Annual meetings*. Society for Cinema and Media Studies. Marriott Hotel, New Orleans, Louisiana. 11 Mar. 2011. Conference Presentation. Δ

**Uli Linke, Professor**

**Book Chapter:** Linke, Uli. "Technologies of Othering: Black Masculinities in the Carceral Zones of European Whiteness." *Europe in Black and White*. Ed. Manuela Ribeiro Sanches, Fernando Clara, Joao Ferreira Duarte, and Leonor Pires Martins. Chicago: The University of Chicago Press, Intellect Books, 2011. 123-141. Print. \*

**Published Review:** Linke, Uli. "Book Review." Rev. of *Anthropology at War: World War I and the Science of Race in Germany*, by Andrew D. Evans. *Journal of the Royal Anthropological Institute* 17(3) 2011: 676-677. Print.

**Invited Presentations/Keynotes:**

Linke, Uli. "Urban Iconicities: Representations of Slum Life as Commodity and Spectacle." *American Anthropological Association*. Society for Urban, National, Transnational Anthropology and the Society for the Anthropology of Europe. Convention Center, Montreal, Canada. 19 Nov. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**

Linke, Uli. "Racializing Cities, Naturalizing Space: The Global Appeal of Iconic Representations of Slum Life." *Symposium: Race, Space, and Nature*. Department of Geography. University of California-Berkeley, Berkeley, CA. 27 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Koning, Anouk De and Uli Linke. "Invited Double Session: Embattled Cities: (Post)Colonial Legacies and Specters of Difference in Urban Europe." *American Anthropological Association*. Society for Urban, National, Transnational Anthropology and the Society for the Anthropology of Europe. Convention Center, Montreal, Canada. 19 Nov. 2011. Conference Presentation. \*

**Andrew Moore, Professor**

**Book Chapter:** Legge, Anthony J. and Andrew M. T. Moore. "Clutching at Straw: The Early Neolithic of Croatia and the Dispersal of Agriculture." *The Dynamics of Neolithisation in Europe: Studies in Honour of Andrew Sherratt*. Ed. Angelos Hadjikoumis, Erick Robinson, and Sarah Viner. Oxford, UK: Oxbow Books, 2011. 176-195. Print. «

**Robert Ulin, Professor**

**Full Length Book:** Ulin, Robert C. *Understanding Cultures*. Second ed. England and U.S.: Blackwell, 2001. Print. \*

Chester F. Carlson Center for  
Imaging Science

**Donald Figer, Professor**

**Journal Paper:** Geballe, T. R., *et al.* "Infrared Diffuse Interstellar Bands in the Galactic Centre Region." *Nature* 479. 7372 (2011): 200-202. Print. £

**Journal Paper:** Richards, Emily E., *et al.* "Multiwavelength Observations of Massive Stellar Cluster Candidates in the Galaxy." *Astrophysical Journal* 43. (2011): 0-1. Print. £

**Journal Paper:** Davis, B., *et al.* "The G305 Star-forming Complex: The Central Star Clusters Danks 1 and Danks 2." *MNRAS*. (2011): 1-18. Print. £

**Journal Paper:** Kim, Sungsoo S., *et al.* "Nuclear Star-Forming Ring of the Milky Way: Simulations." *Astrophysical Journal Letters* 735. 1 (2011): 0-1. Print. £

**Journal Paper:** Messineo, M., *et al.* "Massive Stars in the Cl 1813-178 Cluster. An Episode of Massive Star Formation in the W33 Complex." *Astrophysical Journal* 733. 1 (2011): 1-15. Print. £

**Invited Presentations/Keynotes:**

Figer, Don. "Massive Star Formation in Nuclei of Galaxies." *The central kiloparsec in galactic nuclei*. University of Cologne. Germany, Bad Honnef, Germany. 30 Aug. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Figer, Don. "A Photon-counting Detector for Exoplanet Missions." *Techniques and Instrumentation for Detection of Exoplanets V*. International Society for Optics and Photonics. San Diego Convention Center, San Diego, CA. 21 Aug. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Figer, Don. "Silicon Single Photon Imaging Detectors." *Single-Photon Imaging II*. International Society for Optics and Photonics. San Diego Convention Center, San Diego, CA. 21 Aug. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Figer, Don. "Single Photon Imaging Array Detectors for Astrophysics and Biophotonics." *Single Photon Workshop 2011*. Physikalisch-Technische Bundesanstalt. Germany, Braunschweig, Germany. 27 Jun. 2011. Conference Presentation. Δ

(continued on page 76)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

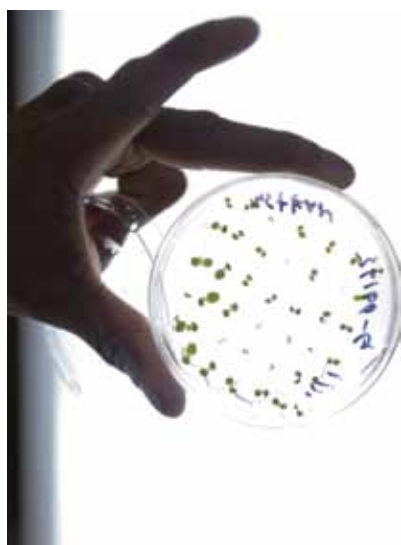
† RIT Student  
≠ External Funding





# Pathway detective: Investigation of amino acid pathways.

**ANDRÉ O. HUDSON** IS AN ASSISTANT PROFESSOR IN THE SCHOOL OF LIFE SCIENCES. HIS RESEARCH FOCUSES ON AMINO ACID METABOLISM. AMINO ACID METABOLISM IS AT THE CORE OF PHYSIOLOGY GIVEN THE FACT THAT TWENTY TWO OF THESE COMPOUNDS ARE INTEGRATED INTO PROTEIN SYNTHESIS.



Dr. Hudson's lab is interested in a class of enzymes known as aminotransferases, which are ubiquitous enzymes that are involved in amino acid metabolism, vitamin metabolism, carbon and nitrogen assimilation, secondary metabolism, among other pathways. They catalyze reversible reactions by transferring an amine group from a donor to an acceptor. The amino donor is usually an amino acid and the amino acceptor is usually a 2-oxo-acid.

Recently, Dr. Hudson, along with colleagues, discovered a novel aminotransferase from plants, bacteria and algae that is involved in a novel pathway for the essential amino acid lysine. This discovery of a novel pathway was instrumental in broadening the understanding of lysine biosynthesis in living organisms. In addition, the lab recently identified and characterized a tyrosine aminotransferase that is believed to be involved in the synthesis of compounds that play a role in plant defense.

The laboratory has forged a fruitful collaboration with Dr. Renwick Dobson from the University of Melbourne and the University of Christchurch to solve the three dimensional structure of enzymes that are involved in amino acid metabolism, together, they solved the structure of an enzyme involved in lysine biosynthesis from the alga, *Chlamydomonas reinhardtii*.

The laboratory uses techniques that span disciplines including; bio-informatics, molecular biology, biochemistry, enzymology and structural biology to identify enzymes involved in amino acid metabolism, facilitated by genomic information that is deposited in various databases. Dr. Hudson is interested in filling metabolic gaps in important pathways for compounds that are deemed necessary for proper growth and development. The laboratory was awarded a two year grant from the National Science Foundation (NSF) to identify the role and characterize a subset of aminotransferase like enzymes that are predicted to play a role in amino acid metabolism from the model organisms, *Arabidopsis thaliana*.

In 2011, Dr. Hudson and colleagues authored three publications in peer-reviewed journals that describe various aspects of amino acid metabolism.





Dr. Hudson showing examples of transgenic plants in the Gosnell Green House. The plants are used by his research group as a tool to elucidate pathways involved in amino acid metabolism.



### **Published Conference**

**Proceedings:** Figer, D. F., *et al.* "A Photon-counting Detector for Exoplanet Missions." *Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, OP408*. Ed. SPIE. SPIE: *n.p.*, Print. Δ

### **Published Conference**

**Proceedings:** Figer, D. F., *et al.* "Silicon Single Photon Imaging Detectors." *Proceedings of the Society of Photo-Optical Instrumentation Engineers (SPIE) Conference Series, OP217*. Ed. SPIE. SPIE: *n.p.*, Print. Δ

### **Michael Long**

**Journal Paper:** Long, Michael E., *et al.* "Impact of Personal Communication Networks on Emergency Evacuation Times." *Journal of Emergency Management* 9. 6 (2011): 75-80. Print. \*

## Department of Chemistry

### **Thomas Kim, Associate Professor**

**Journal Paper:** Kim, Thomas D. "Building Student Proficiency with Scientific Literature Using Zotero, a Reference Manager Software Platform." *Biochemistry and Molecular Biology Education* 39. 6 (2011): 412-415. Print. \*

**Journal Paper:** Kim, Thomas D., Andrew M. Pinkham, and Erin R. Treece. "Aminoguanidine Down-regulates the Expression of mreB-like Protein in *Bacillus Subtilis*." *Current Microbiology*. (2011): 1-5. Web. \*

### **Lea Michel, Assistant Professor**

**Journal Paper:** Chang, Arthur, *et al.* "Haemophilus Influenzae Vaccine Candidate Outer Membrane Protein P6 is not Conserved in All Strains." *Human Vaccines* 7. (2011): 102-105. Print. \*

**Journal Paper:** Michel, Lea Vacca, *et al.* "Vaccine Candidate P6 of Nontypable Haemophilus Influenzae is not an Outer Membrane Protein Based on Protein Structural Analysis." *Vaccine* 29. (2011): 1624-1627. Print. \*

### **Matt Miri, Associate Professor**

**Journal Paper:** Miri, Massoud J., Benjamin P. Pritchard, and H. N. Cheng. "A Versatile Approach for Modeling and Simulating the Tacticity of Polymers." *Journal of Molecular Modeling* 17. (2011): 1767-1780. Print. \*

**Book Chapter:** Miri, Massoud J., *et al.* "Copolyester Synthesis Using Glycerol from Biodiesel Production." *Renewable and Sustainable Polymers*. Ed. G. F. Payne and P. B. Smith. Washington, D.C.: American Chemical Society / Oxford University Press, 2011. 11-35. Print. \*

### **Published Conference**

**Proceedings:** Miri, Massoud J., *et al.* "Polyethylene/Starch Hybrids produced by Emulsion Polymerization." *Proceedings of the 241th ACS National Meeting, March 27 - 31, Anaheim, CA*. Ed. R. A. Gross, P. B. Smith. Washington, D.C.: American Chemical Society, 2011. Web. £



**Invited Presentations/Keynotes:**

Miri, Massoud J. "Toward Sustainable Polymers." *242nd ACS National Meeting*. American Chemical Society. Convention Center, Denver, CO. 29 Aug. 2011. Conference Presentation. Δ

**Gerald Takacs, Professor****Invited Presentations/Keynotes:**

Takacs, Gerald A. "Photo- and Plasma-chemistry Relevant to Hydrogen Fuel Cells." *Rochester Engineering Symposium*. Rochester Technical Engineering Societies. Radisson Riverside Hotel, Rochester, NY. 26 Apr. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Takacs, Gerald A. "New Online Course Entitled Clean Energy: Hydrogen/Fuel Cells." *15th Annual Green Chemistry & Engineering Conference/Transformative Education Session*. 5th International Conference on Green & Sustainable Chemistry. Washington, DC, Washington, DC. 22 Jun. 2011. Conference Presentation. Δ

**Scott Williams, Associate Professor****Invited Presentations/Keynotes:**

Hodges, Neal II. "Chemiluminescent Identification and Quantification of Artemisinin and Relevant Sesquiterpene Lactone Derivatives." *Joint International Tropical Medicine Meeting 2011*. Mahidol University. Centara Grand & Bangkok Convention Centre at CentralWorld, Pratunam, Bangkok, Thailand. 1 Dec. 2011. Conference Presentation. \* Δ

Department of Physics**David Axon, Research Professor**

**Journal Paper:** Axon, David, *et al.* "An H-alpha Nuclear Spiral Structure in the E0 Active Galaxy Arp 102B." *Astrophysical Journal* 736. (2011): 77-87. Print. \*

**Journal Paper:** Axon, David, *et al.* "NICMOS Polarimetry of "Polar-scattered" Seyfert 1 Galaxies." *Astrophysical Journal* 738. NICMOS Polarimetry of "Polar-scattered" Seyfert 1 Galaxies (2011): 90-100. Print. \*

**Journal Paper:** Axon, David, *et al.* "Gas Streaming Motions Towards the Nucleus of M81." *Monthly Notices of the Royal Astronomical Society*, 413. 1 (2011): 149-161. Print. \* £

**Journal Paper:** Axon, David, *et al.* "An Optical Spectroscopic Survey of the 3CR Sample of Radio Galaxies with z 0.3. IV. Discovery of the New Spectroscopic Class of Relic Radio Galaxies." *Astronomy & Astrophysics* 527. (2011): L2-5. Print. £

**Journal Paper:** Axon, David, *et al.* "An Optical Spectroscopic Survey of the 3CR Sample of Radio Galaxies With z 0.3. III. Completing the Sample." *Astronomy and Astrophysics* 525. (2011): A28-32. Print. £

**Journal Paper:** Axon, David, *et al.* "Spectroastrometry of Rotating Gas Disks for the Detection of Supermassive Black Holes in Galactic Nuclei. II. Application to the Galaxy Centaurus A (NGC 5128)." *Astronomy & Astrophysics* 536. (2011): A86-92. Print. £



**Mishkatul Bhattacharya, Assistant Professor**

**Invited Presentations/Keynotes:**

Bhattacharya, Mishkat. "Level Crossing Study of a Dipolar Paramagnetic Molecule." *Department of Physics*. Indian Institute of Technology. Powai, Mumbai, Maharashtra. 19 Dec. 2011. Lecture.

**Scott Franklin, Professor**

**Published Conference**

**Proceedings:** Sayre, Eleanor C. and Scott V. Franklin. "Learning, Retention, and Forgetting in University Physics." *Proceedings of the 2011 National Meeting of the American Education Research Association*. Ed. unknown. New Orleans, LA: *n.p.*, 2011. Print. «

**Seth Hubbard, Assistant Professor**

**Journal Paper:** Bailey, Chris, *et al.* "Near 1 V Open Circuit Voltage InAs/GaAs Quantum Dot Solar Cells." *Applied Physics Letters* 98. (2011): 163105. Print. \*

**Published Conference**

**Proceedings:** Slocum, Michael, *et al.* "Simulation of Nipi Photovoltaic Devices." *Proceedings of the Physics and Simulation of Optoelectronic Devices XIX*. Ed. Bernd Witzigmann, *et al.* San Francisco, CA: SPIE, 2011. Print.

**Published Conference**

**Proceedings:** Slocum, Michael. "Simulation of Nipi Photovoltaic Devices." *Proceedings of the Physics and Simulation of Optoelectronic Devices*. Ed. Alexandre Freundlich, *et al.* San Francisco: SPIE, 2011. Print.

**Published Conference**

**Proceedings:** Bailey, Chris, *et al.* "Investigation of Spectral Responsivity of InAs QD-embedded GaAs Solar Cells." *Proceedings of the Physics and Simulation of Optoelectronic Devices*. Ed. Alexandre Freundlich, *et al.* San Francisco: SPIE, 2011. Print.

**Published Conference**

**Proceedings:** Bittner, Zac, *et al.* "GaP Solar Cells with InGaP Quantum Wells for High Temperature Applications." *Proceedings of the 37th IEEE Photovoltaic Specialists Conference (PVSC)*. Ed. Simon Liu. Seattle: IEEE, 2011. Web.

**Published Conference**

**Proceedings:** Kerestes, Chris, *et al.* "Investigation of Quantum Dot Enhanced Triple Junction Solar Cells." *Proceedings of the 37th IEEE Photovoltaic Specialists Conference (PVSC)*. Ed. Simon Liu. Seattle: IEEE, 2011. Web.

**Published Conference**

**Proceedings:** Mackos, Chelsea, *et al.* "GaAs Substrate Misorientation and the Effect on InAs Quantum Dot Critical Thickness." *Proceedings of the 37th IEEE Photovoltaic Specialists Conference (PVSC)*. Ed. Simon Liu. Seattle: IEEE, 2011. Web.

**Published Conference**

**Proceedings:** Polly, Stephen, *et al.* "Development of a Multi-Source Solar Simulator for Spatial Uniformity and Close Spectral Matching to AM0 and AM1.5." *Proceedings of the 37th IEEE Photovoltaic Specialists Conference (PVSC)*. Ed. Simon Liu. Seattle: IEEE, 2011. Web.

**Journal Paper:** Cress, Cory, *et al.* "Demonstration of a Nipi-diode Photovoltaic." *Progress in Photovoltaics: Research and Applications* 19. (2011): 552-559. Print. \*

### M Kotlarchyk, Professor

**Invited Presentations/Keynotes:** Kotlarchyk, Michael. "Characterization of Biomimetically-Templated Metallic Nanoparticles." *11th New York Complex Matter Workshop*. Dept of Physics. Syracuse University, Syracuse, NY. 10 Jun. 2011. Conference Presentation. Δ

### Aaron McGowan, Lecturer

**Journal Paper:** Adamson, P., *et al.* "Measurement of the Neutrino Mass Splitting and Flavor Mixing by MINOS." *Physical Review Letters* 106. 18 (2011): 181801-181806. Print. \*

**Journal Paper:** Adamson, P., *et al.* "Observation in the MINOS Far Detector of the Shadowing of Cosmic Rays by the Sun and Moon." *Astroparticle Physics* 34. 6 (2011): 457-466. Print. \*

**Journal Paper:** Adamson, P., *et al.* "Measurement of the Underground Atmospheric Muon Charge Ratio Using the MINOS Near Detector." *Physical Review D* 83. 3 (2011): 032011-032020. Print. \*

**Journal Paper:** Adamson, P., *et al.* "First Direct Observation of Muon Antineutrino Disappearance." *Physical Review Letters* 107. 2 (2011): 021801-021805. Print. \*

**Journal Paper:** Adamson, P., *et al.* "Active to Sterile Neutrino Mixing Limits from Neutral-current Interactions in MINOS." *Physical Review Letters* 107. 1 (2011): 011802-011806. Print. \*

**Journal Paper:** Adamson, P., *et al.* "Improved Search for Muon-neutrino to Electron-neutrino Oscillations in MINOS." *Physical Review Letters* 107. 18 (2011): 181802-181807. Print. \*

### David Merritt, Professor

**Journal Paper:** Merritt, David and Eugene Vasiliev. "Orbits Around Black Holes in Triaxial Nuclei." *The Astrophysical Journal* 726. 2 (2011): 61-81. Print. £ ≠

**Journal Paper:** Deibel, Alex T., Monica Valluri, and David Merritt. "The Orbital Structure of Triaxial Galaxies with Figure Rotation." *The Astrophysical Journal* 728. 2 (2011): 128-141. Print. £ ≠

**Journal Paper:** Peng, Eric W., *et al.* "The HST/ACS Coma Cluster Survey IV. Intergalactic Globular Clusters and the Massive Globular Cluster System at the Core of the Coma Galaxy Cluster." *The Astrophysical Journal* 730. 1 (2011): 23-38. Print. £ ≠

**Journal Paper:** Khan, Fazeel Mahmood, Andreas Just, and David Merritt. "Efficient Merger of Binary Supermassive Black Holes in Merging Galaxies." *The Astrophysical Journal* 732. 2 (2011): 89-95. Print. £ ≠

**Journal Paper:** Antonini, Fabio, James Lombardi, and David Merritt. "Tidal Breakup of Binary Stars at the Galactic Center. II. Hydrodynamic Simulations." *The Astrophysical Journal* 731. 2 (2011): 128-141. Print. £ † ≠

**Journal Paper:** Kim, Sungsoo S., et al. "Nuclear Star-forming Ring of the Milky Way: Simulations." *The Astrophysical Journal Letters* 735. 1 (2011): L11-L14. Print. £ ≠

**Journal Paper:** Merritt, David, et al. "Stellar Dynamics of Extreme-mass-ratio Inspirals." *Physical Review D* 84. 4 (2011): 044024-1, 044024-22. Print. £ ≠

**Journal Paper:** Hoyos, Carlos, et al. "The HST/ACS Coma Cluster Survey III. Structural Parameters of Galaxies Using Single Sersic Fits." *Monthly Notices of the Royal Astronomical Society* 411. 4 (2011): 2439-2460. Print. £ ≠

**Journal Paper:** Hoyos, Carlo, David Merritt, and et al. "Coma Treasury Survey. Structural parameters." *Monthly Notices of the Royal Astronomical Society* 411. (2011): 1-10. Web. £ ≠

**Published Review:** Merritt, David. "Dynamical Models of the Galactic Center." Rev. of *The Galactic Center: A Window to the Nuclear Environment of Disk Galaxies*, eds. Mark R. Morris, Q. Daniel Wang, and Feng Yuan. *Proceedings of a workshop held at Shanghai, China on October 19-23, 2009* 1 May 2011: 142-154. Print. Δ £ † ≠

**Published Review:** Merritt, David. "Stellar Dynamics and Black Holes." Rev. of *Proceedings of the Chandrasekhar Centenary Conference*, ed. T. Padmanabhan. *Pramana* 1 Jul. 2011: 135-146. Print. Δ £ † ≠

**Invited Presentations/Keynotes:** Merritt, David. "Getting Things Into Black Holes." *Leiden University Seminar Series*. Leiden University. Leiden University, Leiden, The Netherlands. 29 Mar. 2011. Lecture. Δ ≠

**Invited Presentations/Keynotes:** Merritt, David. "Relativistic Stellar Dynamics." *JILA Seminar Series*. Joint Institute for Laboratory Astrophysics. University of Colorado, Boulder, CO. 4 Apr. 2011. Guest Lecture. † ≠

**Invited Presentations/Keynotes:** Merritt, David. "Relativistic Encounters and the Production of EMRIs." *14th Eastern Gravity Meeting*. Princeton University. Princeton University, Princeton, NJ. 2 Jun. 2011. Conference Presentation. ≠

**Invited Presentations/Keynotes:** Merritt, David. "Dynamics of Extreme-Mass-Ratio Inspirals." *Physics Colloquium Series*. Department of Physics, Syracuse University. Syracuse University, Syracuse, NY. 1 Dec. 2011. Lecture. ≠

### Christopher ODea, Professor

**Journal Paper:** Mittal, R., et al. "Herschel Observations of the Centaurus Cluster - The Dynamics of Cold Gas in a Cool Core." *Monthly Notices of the Royal Astronomical Society* 418. 4 (2011): 2386-2402. Print. £

**Journal Paper:** Bogdan, Akos, *et al.* "Chandra and ROSAT Observations of A194: Detection of an X-Ray Cavity and Mapping the Dynamics of the Cluster." *The Astrophysical Journal* 743. 1 (2011): 59-71. Print. £

**Journal Paper:** Russell, H., *et al.* "A Merger Mystery: No Extended Radio Emission in the Merging Cluster Abell 2146." *Monthly Notices of the Royal Astronomical Society: Letters* 427. 1 (2011): 1-5. Print. £

### Michael Pierce, Assistant Professor

#### Published Conference

**Proceedings:** Pierce, Michael S., *et al.* "In Situ Coherent X-ray Scattering and Scanning Tunneling Microscopy Studies of Hexagonally Reconstructed Au(001) in Electrolytes." *Proceedings of the 219th ECS Meeting*. Ed. G. Brisard, A. Wieckowski. ECS Transactions: *n.p.*, 2011. Print. £

#### Invited Presentations/Keynotes:

Pierce, Michael. "XPCS on Surfaces: Challenges and Opportunities." *XDL 2011, Science at the Hard X-ray Diffraction Limit*. CHESS and Cornell University. Cornell University, Ithaca, NY. 30 Jun. 2011. Conference Presentation. Δ

**Journal Paper:** Pierce, Michael S., *et al.* "Persistent Oscillations of X-ray Speckles: Pt (001) Step Flow." *Applied Physics Letters* 99. (2011): 121910-121912. Print. \* £

### Michael Richmond, Professor

**Journal Paper:** Teets, William K., *et al.* "X-Ray Production by V1647 Ori During Optical Outbursts." *Astrophysical Journal* 741. (2011): 83-96. Print. £

**Journal Paper:** Davis, Tamara M., *et al.* "The Effect of Peculiar Velocities on Supernova Cosmology." *The Astrophysical Journal* 741. (2011): 67-81. Print. £

**Journal Paper:** Richmond, M. W. "A Search for Eclipsing Binary Light Curve Variations Among MACHO Project Light Curves of 3,256 Fundamental-Mode RR Lyrae Variables in the Galactic Bulge." *Journal of the American Association of Variable Star Observers* 39. (2011): 201-218. Print. £

**Journal Paper:** Olech, A., *et al.* "SDSS J162520.29+120308.7 - a new SU Ursae Majoris Star in the Period Gap." *Astronomy & Astrophysics* 532. (2011): 64-73. Print. £

#### External Scholarly Fellowships:

6/10/2011 -

8/9/2011

Japanese Society for the  
Promotion of Science

Amount: \$15,000 ≠

### Andrew Robinson, Professor

**Journal Paper:** Capetti, A., *et al.* "An Optical Spectroscopic Survey of the 3CR Sample of Radio Galaxies with  $z < 0.3$ . IV. Discovery of the New Spectroscopic Class of Relic Radio Galaxies." *Astronomy & Astrophysics* 527. (2011): L2. Print. £

**Journal Paper:** Muller, Allan Schnorr, *et al.* "Gas Streaming Motions towards the Nucleus of M81." *Monthly Notices of the Royal Astronomical Society* 413. 1 (2011): 149-161. Print. £

**Journal Paper:** Fathi, Kambiz, *et al.* "An H-alpha Nuclear Spiral Structure in the E0 Active Galaxy Arp102B." *The Astrophysical Journal* 736. 2 (2011): 77-81. Print. £

**Journal Paper:** Batcheldor, D., *et al.* "NICMOS Polarimetry of "Polar-scattered" Seyfert 1 Galaxies." *The Astrophysical Journal* 738. 1 (2011): 90. Print. £

**Journal Paper:** Gnerucci, A., *et al.* "Spectroastrometry of Rotating Gas Disks for the Detection of Supermassive Black Holes in Galactic Nuclei. II. Application to the Galaxy Centaurus A (NGC 5128)." *Astronomy & Astrophysics* 536. (2011): A86. Print. £

**Invited Presentations/Keynotes:** Robinson, Andrew. "Exploring Inner Regions of Active Galactic Nuclei with Spectropolarimetry." *GALAXIES, NEAR AND FAR*. INAF - Osservatorio Astrofisico di Arcetri. Villa Aureli, Perugia, Italy. 24 May 2011. Conference Presentation.

### **George Thurston, Professor**

**Journal Paper:** Banerjee, Priya R., *et al.* "Cataract-associated Mutant E107A of Human Gamma D-crystallin Shows Increased Attraction to Alpha-crystallin and Enhanced Light Scattering." *Proceedings of the National Academy of Sciences, USA* 108. 2 (2011): 574-579. Print. £

**Journal Paper:** Dorsaz, Nicolas, *et al.* "Phase Separation in Binary Eye Lens Protein Mixtures." *Soft Matter* 7. 5 (2011): 1763-1776. Print. £

## School of Life Sciences

### **Gregory Babbitt, Assistant Professor**

**Journal Paper:** Trotta, V., *et al.* "Allometric and Non-allometric Consequences of Inbreeding on *Drosophila Melanogaster* Wings." *Biological Journal of the Linnean Society* 102. (2011): 626-634. Print. \*

**Journal Paper:** Babbitt, G.A and C.R. Cotter. "Functional Conservation of Nucleosome Formation Selectively Biases Presumably Neutral Molecular Variation in Yeast Genomes." *Genome Biology and Evolution* 3. (2011): 15-22. Web. \*

**Journal Paper:** Babbitt, G.A. "Chromatin Evolving." *American Scientist* 99. 1 (2011): 48-55. Print. Δ

**Journal Paper:** Babbitt, G.A. "Evolución de la Chromatina." *Investigación in y Ciencia* 412. Mayo (2011): 20-27. Print. ^

### **Larry Buckley, Associate Professor**

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

Dedrick, Sandra and Larry Buckley. "Phylogeographic Analysis of the Mexican Black Iguana - *Ctenosaura pectinata*." *Evolution 2011*. Society for the Study of Evolution/Society of Systematic Biologists. University of Oklahoma, Norman, OK. 19 Jun. 2011. Conference Presentation. †

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

Bell, Kayla and Larry Buckley. "Phylogenetic Relationships within the Order Isopoda." *Evolution 2011*. Society for the Study of Evolution & Society of Systematic Biologists. University of Oklahoma, Norman, OK. 19 Jun. 2011. Conference Presentation. †



### Irene Evans, Professor

#### Published Conference

**Proceedings:** Evans, Irene M., *et al.* "Microarray Analysis to Probe Gene Expression in [PSI+], a Prion-Containing Yeast Cell." *Proceedings of the American Society for Cell Biology*, 12/3-7, 2011, Denver CO. Ed. American Society for Cell Biology. Unknown: *n.p.*, 2011. Web. ~

### Elizabeth Hane, Associate Professor

**Journal Paper:** Brister, E., E. Hane, and K. Korfmacher. "Visualizing Plant Community Change Using Historical Records." *International Journal of Applied Geospatial Research* 2. 4 (2011): 1-18. Print. \*

### Anne Houtman, Professor

**Journal Paper:** Zuk, Marlene and Anne M. Houtman. "Wholphins and Other Wonders of Bio for Biz Majors." *Chronicle of Higher Education*. (2011): 1. Print.

#### Invited Presentations/Keynotes:

Castro, Carina. "Song and Male Quality in the Black-throated Sparrow, *Amphispiza bilineata*." *Animal Behaviour Society Annual Meeting*. Animal Behaviour Society. Indiana University, Bloomington, IN. 28 Jul. 2011. Conference Presentation. £

#### Invited Presentations/Keynotes:

Tran, Uyen. "Correlates of Song in Costa's Hummingbird, *Calypte costae*." *Animal Behaviour Society Annual Meeting*. Animal Behaviour Society. Indiana University, Bloomington, IN. 27 Jul. 2011. Conference Presentation. £

### Andre Hudson, Assistant Professor

**Journal Paper:** Hudson, A.O., I. Giron, and R. Dobson. "Crystallization and Preliminary X-ray Diffraction Analysis of L,L-diaminopimelate Aminotransferase (DapL) from *Chlamydomonas reinhardtii*." *Acta Cryst F* 67. (2011): 140-143. Print. \*

**Journal Paper:** Hudson, A.O., *et al.* "Dual Diaminopimelate Biosynthesis Pathways in *Bacteroides fragilis* and *Clostridium*." *BBA proteins and proteomics* 1814. (2011): 1162-1168. Print. \*

**Journal Paper:** Hudson, A.O., I. Giron, and R. Dobson. "L,L-Diaminopimelate Aminotransferase from *Chlamydomonas reinhardtii*: A Target for Algaecide Development." *PLoS ONE* 6. 5 (2011): 1-12. Web. \*

**Journal Paper:** Bulman, Z., *et al.* "A Novel Property of Propolis (bee glue): Anti-pathogenic activity by inhibition of N-acyl-homoserine Lactone mediated signaling in bacteria." *Journal of Ethnopharmacology* 138. (2011): 788-797. Print. \*

**Book Chapter:** Hudson, A.O. and M.A. Savka. "Bioluminescence Biosensor Strains for Detection of Quorum Sensing N-acyl-homoserine Lactone Signal Molecules." *Bioluminescence*. U.S.A.: Nova Publishers, 2011. 747-3. Print. £

**Karl Korfmacher, Associate Professor**

**Journal Paper:** Brister, Evelyn, Elizabeth Hane, and Karl Korfmacher. "Visualizing Plant Community Change Using Historical Records." *International Journal of Applied Geospatial Research* 2. 4 (2011): 1-18. Print. «

**Jeffrey Lodge, Associate Professor**

**Journal Paper:** Cheng, Yujie, *et al.* "Evaluation Study of Vanillin, Curcumin, and Tumeric with Potential Use in Antimicrobial Packaging Applications." *Journal of Applied Packaging Research* 5. 4 (2011): 215-226. Print. \* £

**Invited Presentations/Keynotes:**

Adams, Cole, *et al.* "The Use of Various Microalgae to Clean Wastewater and Possible Utilization of Algal Biomass for Energy Production." *Algal Biomass Summit*. Algal Biomass Organization. Hyatt Regency Hotel, Minneapolis, MN. 25-27 Oct. 2011. Conference Presentation. £

**External Scholarly Fellowships:**

4/1/2012 -

8/1/2012

Private Donations (working with Dr. J. Clemente, Warren NJ, Marymount Medical)

Amount: \$10,000 ≠

**Dina Newman, Assistant Professor**

**Journal Paper:** Wright, L.K. and D.L. Newman. "Interactive Modeling Lesson Increases Student Understanding of Ploidy During Meiosis." *Biochemistry and Molecular Biology Education* 39. 5 (2011): 344-351. Print. \*

**Invited Presentations/Keynotes:**

Newman, Dina L. and Ricki Lewis. "How NOT to Write Multiple Choice Questions." *Undergraduate Faculty Genetics Education Workshop*. American Society of Human Genetics. Palais Des Congres De Montreal, Montreal, Canada. 11 Oct. 2011. Lecture. Δ

**Invited Presentations/Keynotes:**

Newman, Dina L. "Do your Students Really Know What a Chromosome is?" *Undergraduate Faculty Genetics Education Workshop*. American Society of Human Genetics. Palais Des Congres De Montreal, Montreal, Canada. 11 Oct. 2011. Lecture. Δ

**Shows/Exhibits/Installations:**

Newman, Dina L. *Is It In Your Genes?* By Dina L. Newman, *et al.* 5 May 2011. Imagine RIT, Rochester, NY. Exhibit. †

**Michael Osier, Associate Professor**

**Journal Paper:** Wu, X., *et al.* "Genes and Biochemical Pathways in Human Skeletal Muscle Affecting Resting Energy Expenditure and Fuel Partitioning." *Journal of Applied Physiology* 110. (2011): 746-755. Print. \*

**Journal Paper:** Taylor, S.L., *et al.* "Urine Metabolomic Analysis Identifies Potential Biomarkers and Pathogenic Pathways in Kidney Cancer." *OMICS: A Journal of Integrative Biology* 15. (2011): 293-303. Print. \*

## F Pough, Professor

### Published Conference

**Proceedings:** Tabisz, Michelle and F Harvey Pough. "Aggregation Pheromones of Isopods." *Proceedings of the Rochester Academy of Sciences, 20 October 2011, Rochester, NY*. Ed. NA. Rochester, NY: n.p., 2011. Print. ~

### Published Conference

**Proceedings:** Sood, Harshita and F. Harvey Pough. "Avoidance of Heavy Metals by Terrestrial Isopods." *Proceedings of the Rochester Academy of Sciences, 29 October 2011, Rochester, NY*. Ed. NA. Rochester, NY: n.p., 2011. Print. ~

### Published Conference

**Proceedings:** Perkins, Lydia and F. Harvey Pough. "Illustrated Key to the Isopods of New York." *Proceedings of the Rochester Academy of Sciences, 29 October 2011, Rochester, NY*. Ed. NA. Rochester, NY: n.p., 2011. Print. ~

## Vicente Reyes, Assistant Professor

**Journal Paper:** Reyes, Vicente M. "Representation of Protein 3D Structures in Spherical Coordinates and Two of Its Potential Applications." *Interdiscip. Sci.: Comp. Life Sci.* 3. 3 (2011): 161-174. Print. £

**Book Chapter:** Reyes, Vicente M. and Vrunda N. Sheth. "Visualization of Protein 3D Structures in 'Double-Centroid' Reduced Representation: Application to Ligand Binding Site Modeling and Screening." *Handbook of Research in Computational and Systems Biology: Interdisciplinary Approaches*. Ed. Liu, Limin Angela, et al. Hershey, NY: IGI-Global/Springer, 2011. 583-598. Print. £

### Published Conference

**Proceedings:** Reyes, Vincente M. and Srujana R. Cheguri. "A Database/Webserver for Size-Independent Quantification of Ligand Binding Site Burial Depth in Receptor Proteins: Implications on Protein Dynamics." *Proceedings of the J. Biomol. Struct. & Dyn., Book of Abstracts, Albany 2011: The 17th Conversation, June 14-18, 2011, Vol. 28 (6) June 2011, p. 1013*. Ed. Sarma, Ramaswamy. Albany, NY: Adenine Press, 2011. Print. \*

### Published Conference

**Proceedings:** Reyes, Vincente M. and Srujana R. Cheguri. "Using Cylindrical Coordinates to Represent Rod-Shaped and Other Fibrous Protein 3D Structures: Potential Advantages and Applications." *Proceedings of the J. Biomol. Struct. & Dyn., Book of Abstracts, Albany 2011: The 17th Conversation, June 14-18, 2011, Vol. 28 (6) June 2011, p. 1014*. Ed. Sarma, Ramaswamy. Albany, NY: Adenine Press, 2011. Print. \*

### Published Conference

**Proceedings:** Reyes, Vincente M. and James DeFelice. "Towards a Spherical Coordinate System Metric for Quantitative Comparison of Protein 3D Structures." *Proceedings of the J. Biomol. Struct. & Dyn., Book of Abstracts, Albany 2011: The 17th Conversation, June 14-18, 2011, Vol. 28 (6) June 2011, p. 1015*. Ed. Sarma, Ramaswamy. Albany, NY: Adenine Press, 2011. Print. \*

### **Published Conference**

**Proceedings:** Reyes, Vincente M. and Preeti F. Priya. "Cancer Meets the "Omics": A Comprehensive Cancer Biotherapy Database with Links to Multiple Bioinformatics Websites/ WebServers - Facilitating the Search for Anticancer Biological Agents." *Proceedings of the J. Biomol. Struct. & Dyn., Book of Abstracts, Albany 2011: The 17th Conversation, June 14-18, 2011, Vol. 28 (6) June 2011, p. 1016.* Ed. Sarma, Ramaswamy. Albany, NY: Adenine Press, 2011. Print. \*

### **Published Conference**

**Proceedings:** Reyes, Vincente M. "Using Cartographic Techniques to Project Protein 3D Surfaces onto the 2D Plane: Potential Applications and Implications." *Proceedings of the J. Biomol. Struct. & Dyn., Book of Abstracts, Albany 2011: The 17th Conversation, June 14-18, 2011, Vol. 28 (6) June 2011, p. 1017.* Ed. Sarma, Ramaswamy. Albany, NY: Adenine Press, 2011. Print. \*

### **Michael Savka, Professor**

**Journal Paper:** Bulman, Zack, *et al.* "A Novel Property of Propolis (bee glue): Anti-pathogenic Activity by Inhibition of N-acyl-homoserine Lactone Mediated Signaling in Bacteria." *Journal of Ethnopharmacology* 138. (2011): 788-797. Print. \*

**Published Review:** Savka, Michael A. and Andre O. Hudson. "Bioluminescence." Rev. of Bioluminescence Biosensor Strains for the Detection of Quorum-sensing N-acyl-homoserine Lactone Signal Molecules., ed. DJ Rodgerson. *Nova Scientific Publishers* 2011: 49-70. Print. \*

**Book Chapter:** Savka, Michael A., *et al.* "Grapevine Pathogens Spreading with Sropagating Plant Stock: Detection and Methods for Elimination." *Grapevines: Varieties, Cultivation.* Ed. P. V. Szabo and J. Shojania. New York: Nova Science Publishers, 2011. 1-88. Print. Δ

### **Published Conference**

**Proceedings:** Bulman, Zack, Andre O. Hudson, and Michael A. Savka. "Propolis, a Product of the Bee Hive, has an Antagonistic Affect on Quorum-sensing Regulated Bioluminescence, Gene Transcription and Motility." *Proceedings of the American Society for Biochemistry & Molecular Biology Meeting.* Ed. K. Cornely, P. Ortiz, and M.A. Wallert. Washington, DC: American Society for Biochemistry & Molecular Biology, 2011. Print. \*

### **Published Conference**

**Proceedings:** Subki, Mior MM Ahmad, *et al.* "Isolation and Identification of Methylobacterium sp. From Grapevine Xylem Fluids and Mutants Deficient in Acyl-homoserine Signal Production, Abstract 818." *Proceedings of the American Society for Microbiology, 111th General Meeting.* Ed. American Society for Microbiology. New Orleans, LA: American Society for Microbiology, 2011. Print. \*

### **Published Conference**

**Proceedings:** Aziz, Nazrin A. and Michael A. Savka. "Screening of Transposon Mutants of Sphingobium sp. KK22 Altered in Quorum-sensing Signal Synthesis." *Proceedings of the Rochester Academy of Sciences, Fall 2011 Scientific Paper Day.* Ed. Monroe Community College. Rochester, NY: Rochester Academy of Sciences, 2011. Print. †



### **Published Conference**

**Proceedings:** Sorensen, Ryan and Michael A. Savka. "Disruption of Bacterial Signaling by Beehive Plant Resins." *Proceedings of the Rochester Academy of Sciences, Fall 2011 Scientific Paper Day*. Ed. Monroe Community College. Rochester, NY: Rochester Academy of Sciences, 2011. Print. †

### **Paul Shipman, Associate Professor**

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

Shipman, Paul. "Panel One: Traditional Ecological Knowledge - Western and Native Science." *Thirty-Fifth Annual National Indian Timber Symposium*. Intertribal Timber Council. Black Bear Resort and Casino, Carlton, MN. 14 Jun. 2011. Conference Presentation. Δ

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

Shipman, Paul and Robyn Wilson. "Plant Knowledge Roundtable - Cherokee Plant Database." *Traditional Ecological Knowledge Conference*. University of New Hampshire. The Browne Center, Durham, NH. 23 Sep. 2011. Conference Presentation. Δ

### **Susan Smith, Assistant Professor**

**Journal Paper:** Smith, Susan B. and Peter W. C. Paton. "Long-Term Shifts in Autumn Migration by Songbirds at a Coastal Eastern North American Stopover Site." *The Wilson Journal of Ornithology* 123. 3 (2011): 557-566. Print. £

**Journal Editor:** Smith, Susan B., ed. *Northeastern Naturalist*. Steuben, ME: The Humboldt Field Research Institute, 2011. Print. £

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

Smith, Susan B. "Migration Timing and Climate Change in the Eastern U.S." *Northeastern Natural History Conference*. Association of Northeastern Biologists. Empire State Plaza, Albany, NY. 7 Apr. 2011. Conference Presentation. Δ

### **Hyla Sweet, Associate Professor**

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

Sweet, Hyla. "Developmental Biology Lab: In Situ Hybridization Screen for Candidate Genes Identified From a Transcriptome Sequencing Project." *Developmental Biology of the Sea Urchin XX*. Marine Biological Laboratory. Marine Biological Laboratory, Woods Hole, MA. 30 Apr. 2011. Conference Presentation. †

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

Sharma, Deepika, Rae Ann Covington, and Hyla Sweet. "Spatial Expression Patterns of Delta, gcm and Brachyury in the Cidaroid Sea Urchin *Eucidaris Tribuloides*." *Developmental Biology of the Sea Urchin XX*. Marine Biological Laboratory. Marine Biological Laboratory, Woods Hole, MA. 28 Apr. 2011. Conference Presentation. † ≠

### **Anna Tyler, Assistant Professor**

**Journal Paper:** McLenaghan, N.A., et al. "Benthic Macroinvertebrate Diversity Regulates Nutrient and Algal Dynamics in a Shallow Estuary." *Marine Ecology Progress Series* 426. (2011): 171-184. Print. \* † ≠

### **Published Conference**

**Proceedings:** Mahl, U.H., A.C. Tyler, and E.D. Grosholz. "The Impact of Benthic Invertebrates on Porewater Ammonium and Sulfide: Consequences for *Spartina* Seedling Growth." *Proceedings of the Third International Conference on Invasive Spartina*. Ed. Ayres, DR, DW Kerr, SD Ericson and PR Olofson. Cambridge, UK: Cambridge Publications Limited, 2011. Print. \* Δ

### **Published Conference**

**Proceedings:** Tyler, A. C. and E. D. Grosholz. "Spartina Invasion Changes Intertidal Ecosystem Metabolism in San Francisco Bay." *Proceedings of the Third International Conference on Invasive Spartina*. Ed. Ayres, DR, DW Kerr, SD Ericson and PR Olofson. Cambridge, UK: Cambridge Publications Limited, 2011. Print. \* Δ

### **Leslie Kate Wright, Assistant Professor**

**Journal Paper:** Wright, L. Kate and Dina L. Newman. "An Interactive Modeling Lesson Increases Student Understanding of Ploidy During Meiosis." *Biochemistry and Molecular Biology Education* 39. 5 (2011): 344-51. Print. \*

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

Wright, L. Kate, Chistina Catevaro, and Dina L. Newman. "Why Undergraduate Biology Majors Miss the Concept of Homologous Chromosomes." *Society for Advancement of Undergraduate Education Conference, 1st Annual Conference*. Society for Advancement of Undergraduate Education (SABER). University of Minnesota East campus, Minneapolis, MN. 29-31 Jul. 2011. Conference Presentation. £

### **Yosef Zlochower, Assistant Professor**

**Journal Paper:** Babiuc, M. C., J. Winicour, and Y. Zlochower. "Binary Black Hole Waveform Extraction at Null Infinity." *Class. Quant. Grav.* 28. (2011): 134006. Print. \* £

### School of Mathematical Sciences

### **Ephraim Agyingi, Assistant Professor**

**Journal Paper:** Agyingi, Ephraim, David Ross, and Karthik Bathena. "A Model of the Transmission Dynamics of Leishmaniasis." *Journal of Biological Systems* 19. 2 (2011): 237-250. Print. \*

**Journal Paper:** Agyingi, Ephraim and Matthias Ngwa. "A Mathematical Model of the Compression of a Spinal Disc." *Journal of Mathematical Bioscience and Engineering* 8. 4 (2011): 1061-1083. Web. \*

**Journal Paper:** Agyingi, Ephraim, David Ross, and Sophia Maggelakis. "Modeling the Effect of Topical Oxygen Therapy on Wound Healing." *AIP Conference Proceedings* 1368. (2011): 159-162. Print. \*

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

Agyingi, Ephraim, Sophia Magelakis, and David Ross. "Modeling the Effect of Topical Oxygen Therapy on Wound Healing." *International Conference on Applied Mathematics, Modeling and Computational Science*. Wilfrid Laurier University. Wilfrid Laurier University, Waterloo, Ontario, Canada. 25-29 Jul. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Agyingi, Ephraim, David Ross, and Karthik Bathena. "Modeling the Transmission Dynamics of Leishmaniasis." *2nd New York Conference on Applied Mathematics*. Natural Sciences Complex. University of Buffalo, Buffalo, NY. 30 Apr. 2011. Conference Presentation. Δ

**Bernard Brooks, Associate Professor**
**Invited Presentations/Keynotes:**

Brooks, Bernard. "How Popular are You on Facebook?" *U.S. Department of Energy's National Science Bowl*. U.S. Department of Energy. National Science Bowl, Washington, DC. 30 Apr. 2011. Keynote Speech. Δ

**Journal Paper:** Brooks, Radin, Windt, and Basener. "Spatial Effects and Turing Instabilities in the Invasive Species Model." *Nonlinear Dynamics, Psychology and Life Sciences* 15. 4 (2011): 455-64. Print. \*

**Manuela Campanelli, Professor**

**Journal Paper:** Nakano, Hiroyuki, et al. "Intermediate-mass-ratio Black Hole Binaries II: Modeling Trajectories and Gravitational Waveforms." *Physical Review D* 84. (2011): 124-006. Print. £ ≠

**Journal Paper:** Loeffler, Frank, et al. "The Einstein Toolkit: A Community Computational Infrastructure for Relativistic Astrophysics." *Classical and Quantum Gravity*. (2011): 000-062. Web. £ ≠

**Journal Paper:** Mundim, Bruno C., et al. "Hybrid Black-hole Binary Initial Data." *Classical and Quantum Gravity* 28. (2011): 134-003. Print. £ ≠

**Journal Paper:** Nakano, Hiroyuki, et al. "Perturbative Effects of Spinning Black Holes in the Extreme Mass-ratio Limit." *Classical and Quantum Gravity* 28. (2011): 134-005. Print. £ ≠

**Journal Paper:** Zlochower, Yosef, Manuela Campanelli, and Carlos O. Lousto. "Modeling Gravitational Recoil Using Numerical Relativity." *Modeling Gravitational Recoil Using Numerical Relativity* 82. (2011): 104-057. Print. Δ £ ≠

**Invited Presentations/Keynotes:**

Campanelli, Manuela. "Merging Black Hole in Astrophysical General Relativity." *Invited Seminar*. Washington State University. Department of Physics and Astronomy, Pullman, WA. 4 Dec. 2011. Guest Lecture. ≠

**Invited Presentations/Keynotes:**

Campanelli, Manuela. "Understanding Black Hole Mergers." *High Energy Astrophysics Division Meeting (HEAD 2011)*. American Astronomical Society. Newport Marriott Hotel, Newport, RI. 9 Sep. 2011. Conference Presentation. ≠

**Invited Presentations/Keynotes:**

Campanelli, Manuela. "Black Holes in Numerical Relativity." *Black Holes VIII: Theory and Mathematical Aspects*. University of Waterloo. Niagara Falls, Niagara Falls, Ontario, Canada. 14 May 2011. Conference Presentation. ≠

**Elizabeth Cherry, Assistant Professor**

**Journal Paper:** Fink, M., et al. "Cardiac Cell Modelling: Observations from the Heart of the Cardiac Physiome Project." *Progress in Biophysics and Molecular Biology* 104. (2011): 2-21. Print. \* ≠

**Journal Paper:** Clayton, R.H, *et al.*  
"Models of Cardiac Tissue Electrophysiology: Progress, Challenges and Open Questions." *Progress in Biophysics and Molecular Biology* 104. (2011): 22-48. Print. \* ≠

**Journal Paper:** Luther, S., *et al.*  
"Low-energy Control of Electrical Turbulence in the Heart." *Nature* 475. (2011): 235-239. Print. \* ≠

**Journal Paper:** Cherry, E. M. and F. H. Fenton. "Effects of Boundaries and Geometry on The Spatial Distribution of Action Potential Duration in Cardiac Tissue." *Journal of Theoretical Biology* 285. (2011): 164-176. Print. \* ≠

**Journal Paper:** Bartocci, E., *et al.*  
"Toward Real-time Simulation of Cardiac Dynamics." *Proceedings of the 9th International Conference on Computational Methods in Systems Biology*. (2011): 103-110. Print. \* ≠

**Journal Paper:** Niederer, S. A., *et al.*  
"Verification of Cardiac Tissue Electrophysiology Simulations Using an N-version Benchmark." *Philosophical Transactions of the Royal Society of London A* 369. (2011): 4331-4351. Print. \* ≠

**Journal Paper:** Bartocci, E., *et al.*  
"Teaching Cardiac Electrophysiology Modeling to Undergraduate Students: Lab Exercises and GPU Programming for The Study of Arrhythmias and Spiral Wave Dynamics." *Advances in Physiology Education* 35. (2011): 427-437. Print. \* † ≠

**Book Chapter:** Cherry, E. M. "Mathematical Models of Atrial Mechano-electric Coupling and Arrhythmias." *Cardiac Mechano-Electric Coupling and Arrhythmias, 2nd ed.* Ed. P Kohl, S Sachs, and MR Franz. Oxford: Oxford University Press, 2011. 251-257. Print. Δ £ ≠

**Invited Presentations/Keynotes:**  
Cherry, E. M. "Effects of The Specialized Conduction System on Electrical Wave Propagation in The Heart." *New York Conference on Applied Mathematics*. University of Buffalo. University of Buffalo, Buffalo, NY. 30 Apr. 2011. Conference Presentation. ≠

**Invited Presentations/Keynotes:**  
Cherry, E.M. "Alternans and Non-linear Dynamics in Cardiac Tissue." *SIAM Conference on Applications of Dynamical Systems*. SIAM. Snowbird, Snowbird, UT. 23 May 2011. Conference Presentation. ≠

#### **Raluca Felea, Associate Professor**

**Journal Paper:** Felea, Raluca and Todd Quinto. "The Microlocal Properties of the Local 3-D SPECT Operator." *SIAM J on Math Analysis* 43. 3 (2011): 1145-1157. Web. £

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

7/1/2011 -  
7/1/2016  
Simons Foundation  
Amount: \$35,000 ≠

**Invited Presentations/Keynotes:**  
Felea, Raluca. "Common Singularities in SPECT and SAR Inverse Problems." *Inverse Problems Program*. Isaac Newton Institute. Isaac Newton Institute, Cambridge, England. 15 Nov. 2011. Conference Presentation. Δ



**Invited Presentations/Keynotes:**

Felea, Raluca. "A Class of Singular FIOs." *seminar talk*. Loughborough University. Loughborough, Loughborough, England. 9 Nov. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Felea, Raluca. "Folds and Cusp Singularities in Seismic Inverse Problems." *seminar talk*. Limerick University. Limerick, Limerick, Ireland. 19 Oct. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Felea, Raluca. "Microlocal Analysis of the Slant-hole SPECT Operator." *Medical and Seismic Imaging Workshop*. University of British Columbia. Vancouver, Vancouver, Canada. 15 Jul. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Felea, Raluca. "Microlocal Analysis of FIOs with Singularities." *International Conference on Microlocal Methods in Mathematical Physics and Global Analysis*. Tubingen University. Tubingen, Tubingen, Germany. 16 Jun. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Felea, Raluca. "Fourier Integral Operators with Singularities." *27th South Eastern Analysis Meeting and John Conway Day*. University of Florida. Gainesville, Gainesville, FL. 19 Mar. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Felea, Raluca. "Microlocal Properties of the Slant-hole SPECT Operator." *Joint Mathematics Meetings*. AMS. New Orleans, New Orleans, LA. 6 Jan. 2011. Conference Presentation. Δ

**Baasansuren Jadamba, Assistant Professor**

**Journal Paper:** Jadamba, Baasansuren, Akhtar A. Khan, and Miguel Sama. "Generalized Solutions of Quasi Variational Inequalities." *Optimization Letters*. (2011): 1-11. Web. \*

**Book Chapter:** Jadamba, Baasansuren, Akhtar A. Khan, and Miguel Sama. "Inverse Problems on Parameter Identification in Partial Differential Equations." *Mathematical Methods, Models and Algorithms in Science and Technology*. Singapore: World Scientific, 2011. 228-258. Print. \*

**Invited Presentations/Keynotes:**

Jadamba, Baasansuren. "Error Estimates for Modified Output Least Squares for Elliptic Partial Differential Equations." *International Congress on Industrial and Applied Mathematics*. SIAM. Vancouver Convention Centre, Vancouver, Canada. 18 Jul. 2011. Conference Presentation.

**Akhtar Khan, Assistant Professor**

**Journal Paper:** Khan, Akhtar A., Baasansuren Jadamba, and Miguel Sama. "Generalized Solutions of Quasi Variational Inequalities." *Optimization Letters* doi:10.1007/s11590-011-0363-6. (2011): 1-11. Print. \* £

**Book Chapter:** Khan, Akhtar A., Baasansuren Jadamba, and Miguel Sama. "Inverse Problems on Parameter Identification in Partial Differential Equations." *Mathematical Methods, Models and Algorithms in Science and Technology*. Singapore: World Scientific, 2011. 228- 258. Print. \* Δ £



**Invited Presentations/Keynotes:**

Khan, Akhtar A. "Conical Derivatives for Optimization Problems." *Applied Inverse Problems*. University of Texas at A&M. University of Texas at A&M, College Station, TX. 24 May 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Khan, Akhtar A. "Toward Second-Order Sensitivity Analysis in Set-Valued Optimization." *Joint Mathematics Meetings*. AMS/MAA. Sheraton, New Orleans, LA. 8 Jan. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Khan, Akhtar A. "Inverse Problem for Quasi Variational Inequalities." *7th International Congress on Industrial and Applied Mathematics*. ICIAM. Vancouver Convention Centre, Vancouver, British Columbia, Canada. 18 Jun. 2011. Conference Presentation. £

**Chulmin Kim, Assistant Professor**

**Journal Paper:** Kim, Chulmin and Louise Sundararajan. "Language, Emotion, and Health: A Semiotic Perspective on the Writing Cure." *American Sociologist* 42. 2-3 (2011): 220-231. Print. « £

**Carlos Lousto, Associate Professor**

**Journal Paper:** Nakano, Hiroyuki, *et al.* "Intermediate-mass-ratio Black Hole Binaries II: Modeling Trajectories and Gravitational Waveforms." *Physical Review D* 84. (2011): 12400601-12400622. Print. \* £

**Journal Paper:** Lousto, Carlos Oscar and Yosef Zlochower. "Hangup Kicks: Still Larger Recoils by Partial Spin/Orbit Alignment of Black-Hole Binaries." *Physical Review Letters* 107. (2011): 2311021-2311025. Print. \* £

**Journal Paper:** Nakano, Hiroyuki, *et al.* "Perturbative Effects of Spinning Black Holes with Applications to Recoil Velocities." *Classical and Quantum Gravity* 28. (2011): 13400501-13400512. Print. \* £

**Journal Paper:** Zlochower, Yosef, Manuela Campanelli, and Carlos Oscar Lousto. "Modeling Gravitational Recoil Using Numerical Relativity." *Classical and Quantum Gravity* 28. (2011): 11401501-11401512. Print. \* £

**Journal Paper:** Lousto, Carlos Oscar and Yosef Zlochower. "Modeling Maximum Astrophysical Gravitational Recoil Velocities." *Physical Review D* 83. (2011): 0240031-0240038. Print. \* £

**Journal Paper:** Lousto, Carlos Oscar and Yosef Zlochower. "Orbital Evolution of Extreme-Mass-Ratio Black-Hole Binaries with Numerical Relativity." *Physical Review Letters* 106. (2011): 0411011-0411014. Print. \* £

**Journal Paper:** Ponce, Marcelo, Carlos Oscar Lousto, and Yosef Zlochower. "Seeking for Toroidal Event Horizons from Initially Stationary BH Configurations." *Classical and Quantum Gravity* 28. (2011): 14502701-14502718. Print. \* £

**Journal Paper:** Jaramillo, Gabriela and Carlos Oscar Lousto. "Study of Multi Black Hole and Ring Singularity Apparent Horizons." *Physical Review D* 84. (2011): 10401101-10401116. Print. \* £

**Kara Maki, Assistant Professor**

**Journal Paper:** Maki, Kara L. and Satish Kumar. "Fast Evaporation of Spreading Droplets of Colloidal Suspensions." *Langmuir* 27. (2011): 11347-11363. Print. £

**Invited Presentations/Keynotes:**

Maki, Kara L. "Skin Formation in Drying Droplets of Colloidal Suspensions." *NSF Mathematics Institutes' Modern Math Workshop*. The Society for Advancement of Chicanos and Native Americans in Science Annual Conference. San Jose Convention Center, San Jose, CA. 26 Oct. 2011. Conference Presentation.

**Michael Radin, Associate Professor**

**Published Review:** Modelling, Mathematical & Computer. Rev. of On the system of two difference equations of exponential form:  $x[n+1]=a+bx[n-1]e^{-y[n]}$ ;  $y[n+1]=c+dy[n-1]e^{-x[n]}$ , by G. Papaschinopoulos, M.A. Radin, and C.J. Schinas. *On the system of two difference equations of exponential form:  $x[n+1]=a+bx[n-1]e^{-y[n]}$ ;  $y[n+1]=c+dy[n-1]e^{-x[n]}$*  12 Jul. 2011: 2969-2977. Web. £

**Published Review:** Mathematics, Central European Journal of. "A Trichotomy Result for Non-autonomous Rational Difference Equations." Rev. of A Trichotomy Result for Non-autonomous Rational Difference Equation., by Frank J. Palladino and Michael A. Radin. *A trichotomy result for non-autonomous rational difference equations*. 30 Jun. 2011: 1135-1142. Web. £

**Invited Presentations/Keynotes:**

Radin, Michael A. "Boundedness and Periodic Character of Solutions of a System of Rational Difference Equations." *International Conference on Difference & Differential Equations*. University of the Azores. Ponta Delgada, Portugal, Ponta Deldaga, Portugal. 4 Jul. 2011. Lecture. Δ

**Invited Presentations/Keynotes:**

Radin, Michael A. "Convergence of Solutions and Existence of Multiple Periodic Solutions of a Non-Autonomous Rational Difference Equation." *Dimocratus University*. Dimocratus University. Xanthi, Greece, Xanthi, Greece. 2 Jun. 2011. Address. Δ

**David Ross, Professor**

**Journal Paper:** Agyingi, E., D. S. Ross, and K. Bathena. "Transmission Dynamics of Leishmaniasis." *Journal of Biological Systems* 19. 2 (2011): 237-251. Print. £

### **Published Conference**

**Proceedings:** Agyingi, E., D. S. Ross, and S. Maggelakis. "Modeling the Effect of Topical Oxygen Therapy on Wound Healing." *Proceedings of the Advances in Mathematical and Computational Methods*. Ed. I. Kotsireas, R. Melnik, and B. West. Melville, NY: American Institute of Physics, 2011. Print. £

### **Wondimu Tekalign, Assistant Professor**

**Journal Paper:** Khenner, Mikhail, Wondimu Tekalign, and Margo Levine. "Stability of a Strongly Anisotropic Thin Epitaxial Film in a Wetting Interaction with Elastic Substrate." *European Physical Letters* 93. (2011): 1-7. Web. \*

### **John Whelan, Associate Professor**

**Journal Paper:** Fairhurst, Stephen, *et al.* "Current Status of Gravitational-wave Observations." *General Relativity and Gravitation* 43. 2 (2011): 387-407. Print. \* £ ≠

**Journal Paper:** Chung, C. T. Y., *et al.* "Designing a Cross-correlation Search for Continuous-wave Gravitational Radiation from a Neutron Star in the Supernova Remnant SNR 1987A." *Monthly Notices of the Royal Astronomical Society* 414. 3 (2011): 2650-2663. Print. \* £ ≠

### **Tamas Wiandt, Associate Professor**

**Journal Paper:** Wiandt, Tamas, *et al.* "Spatial Effects and Turing Instabilities in the Invasive Species Model." *Nonlinear Dynamics, Psychology and Life Sciences* 15. 4 (2011): 455-464. Print. «

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

Wiandt, Tamas. "Decomposition Possibilities for Closed Relations." *AMS Regional Meeting*. AMS. Cornell University, Ithaca, NY. 10 Sep. 2011. Conference Presentation. Δ

### **Yosef Zlochower, Assistant Professor**

**Journal Paper:** Mundim, Bruno, *et al.* "Hybrid Black-hole Binary Initial Data." *Class. Quant. Grav.* 28. (2011): 134003-. Print. \* £

**Journal Paper:** Babiuc, M. C., *et al.* "A Characteristic Extraction Tool for Gravitational Waveforms." *Phys. Rev. D* 84. (2011): 044057-. Print. \* £

**Journal Paper:** Nakano, Hiroyuki, *et al.* "Perturbative Effects of Spinning Black Holes with Applications to Recoil Velocities." *Class. Quant. Grav.* 28. (2011): 134005. Print. \* £

**Journal Paper:** Zlochower, Yosef, Manuela Campanelli, and Carlos Lousto. "Modeling Gravitational Recoil Using Numerical Relativity." *Class. Quant. Grav.* 28. (2011): 114015. Print. \* £

**Journal Paper:** Lousto, Carlos and Yosef Zlochower. "Modeling Maximum Astrophysical Gravitational Recoil Velocities." *Phys. Rev. D* 83. (2011): 024003. Print. \* £

**Journal Paper:** Lousto, Carlos and Yosef Zlochower. "Orbital Evolution of Extreme-Mass-Ratio Black-Hole Binaries with Numerical Relativity." *Phys. Rev. Lett* 106. (2011): 041101. Print. \* £



**Journal Paper:** Ponce, Marcelo, Carlos Lousto, and Yosef Zlochower. "Seeking for Toroidal Event Horizons from Initially Stationary BH Configurations." *Class. Quant. Grav.* 28. (2011): 145027. Print. \* £

**Journal Paper:** Lousto, Carlos and Yosef Zlochower. "Hangup Kicks: Still Larger Recoils by Partial Spin-Orbit Alignment of Black-Hole Binaries." *Phys. Rev. Lett* 107. (2011): 231102. Print. \* £

Accounting

**Ratna Dey, Assistant Professor**

**Journal Paper:** Dey, R. Mithu and Ashok Robin. "Second Tier Auditing Firms: Developments and Prospects." *CPA Journal* 81. 6 (2011): 32-39. Print. \*

**Published Conference**

**Proceedings:** Dey, R. Mithu and Ashok Robin. "The Post-SOX Evolution of the Client Portfolio of the Second Tier: A Focus on Restatement and Internal Control Risk." *Proceedings of the International Symposium of Audit Research 2011*. Ed. ISAR. Quebec City, Canada: *n.p.*, 2011. Web. \*

Decision Sciences

**A Erhan Mergen, Professor**

**Journal Paper:** Mergen, A. Erhan and Donald S. Holmes. "Analysis of the Use of Ratios for Process Management and Decision-Making." *Total Quality Management & Business Excellence* 22. 7 (2011): 787-794. Print. \*

**Journal Paper:** Mergen, A. Erhan and Donald S. Holmes. "Using SPC in Conjunction with APC." *Quality Engineering* 23. 4 (2011): 360-364. Print. \*

**Published Conference**

**Proceedings:** Mergen, A. Erhan and Donald S. Holmes. "Discussion of Parabolic Mask for Cumulative Sum Control Charts." *Proceedings of the 2011 Northeast Decision Sciences Institute Meeting, April 14-16, 2011, Montreal, Canada*. Ed. Minoos Tehrani (Program Chair) and Albert E. Avery (Proceedings Editor). Montreal, Canada (Proceedings CD): *n.p.*, 2011. Print. «

Finance

**Hao Zhang, Assistant Professor**

**Journal Paper:** Chung, Kee H. and Hao Zhang. "Corporate Governance and Institutional Ownership." *Journal of Financial and Quantitative Analysis* 46. (2011): 247-273. Print. «

Management

**Robert Barbato, Professor**

**Journal Paper:** Barbato, Robert and Robert Lussier, Matthew Sonfield. "Generational Stages in Family Firms: Expanding the Database - Kosovo." *Southern Journal of Entrepreneurship*. April (2011): 1-16. Print. \*

(continued on page 100)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
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† RIT Student  
‡ External Funding



FACULTY SCHOLARSHIP: E. PHILIP SAUNDERS COLLEGE OF BUSINESS

# Tailoring corporate information

**ASHOK ROBIN** HOLDS THE ROSETT CHAIR FOR RESEARCH AT THE SAUNDERS COLLEGE. HIS RESEARCH FOCUSES ON THE PRODUCTION AND DISSEMINATION OF CORPORATE FINANCIAL INFORMATION. HE HIGHLIGHTS THE ROLE OF "DEMAND" IN TAILORING THIS INFORMATION BY EXAMINING SITUATIONS WHERE STAKEHOLDERS' INCENTIVES CAN BE DELINEATED.



Dr. Ashok Robin is an active scholar with many publications in finance and accounting journals. He has worked collaboratively with a range of scholars both at RIT as well as at leading schools and has published in journals including the *Journal of Accounting and Economics*, *Review of Accounting Studies*, *Financial Management*, *Journal of Financial Research* and *Corporate Governance*.

Dr. Robin is known for his works in the area of earnings conservatism, the ten-

dency of some firms to more promptly reveal losses than gains. One of his works on this topic, co-authored with colleagues at the University of Chicago and MIT, examines the role played by national laws and institutions in encouraging conservatism. This international study, finds that firms from common-law countries are more likely than firms from code-law countries to be conservative; this study has been cited in more than 1,000 academic papers. Other works in this area highlight the relative importance of "demand" from stakeholders versus regulatory mandates and the unique information needs of corporate creditors.

His current research continues on the theme of stakeholder demand for corporate information and examines issues such as whether family firms have incentives to reveal high quality financial information to external inves-

tors. Along with colleagues at RIT, he is currently working on topics related to the importance of auditors.

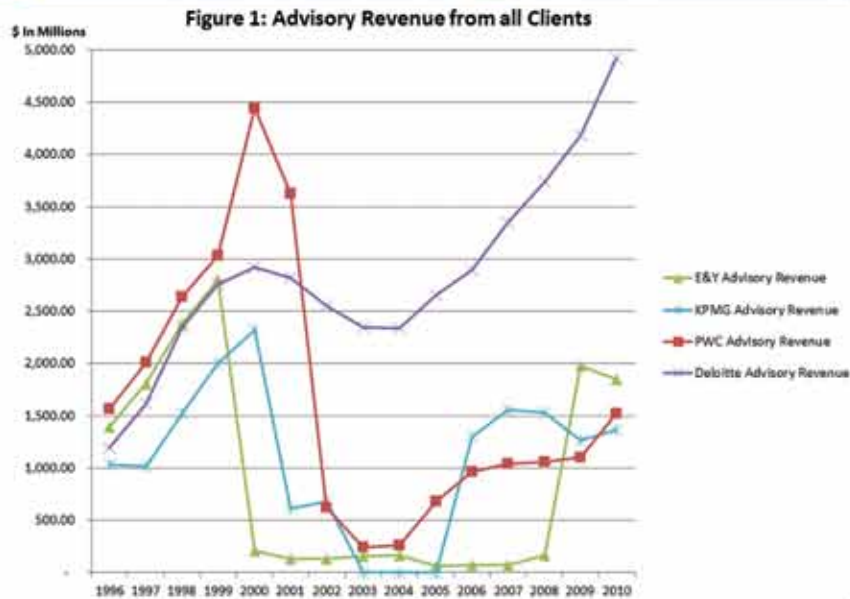
Dr. Robin also has a keen interest in writing for a more practitioner audience. He has engaged in projects with RIT faculty with considerable professional experience (people who have served as top corporate managers and directors). Some of these works have addressed issues concerning corporate mergers and acquisitions. Some of this work has been published as chapters in handbooks and as cases.

Dr. Robin is also interested in teaching and pedagogy. He has authored a text book in the area of international finance which has been published by McGraw Hill. He has also authored software that helps students and professionals with a slew of financial calculations such as loan payments.





**Left page:** Dr. Robin's financial app 'Analyst 20a' for the iPad showing a calculation for loan values  
**Bottom left:** Dr. Robin's research on the auditing market  
**Bottom right:** Software for the iPhone showing a rate-of-return analysis



### **Published Conference**

**Proceedings:** Barbato, Robert, Robert Lussier, and Matthew Sonfield. "An Analysis of Ethical Attitudes of Family Business Owners in a Transitional Economy: The Case of Kosovo." *Proceedings of the Proceedings of the Small Business Insititute Annual Eastern Conference*. Ed. Stephanie Bardwell. Springfield, MA: *n.p.*, 2011. Print. \*

### **Clyde Hull, Associate Professor**

**Journal Paper:** Luxmore, Stephen and Clyde Hull. "Innovation & NGOs: A Framework of Interaction." *International Journal of Entrepreneurship and Innovation* 12. 1 (2011): 17-27. Print. «

### **Shal Khazanchi, Associate Professor**

**Journal Paper:** Shalini, Khazanchi, and Kristin L. Byron. "A Meta-Analytic Investigation of the Relationship of State and Trait Anxiety to Performance on Figural and Verbal Creative Tasks." *Personality and Social Psychology Bulletin* 37. 2 (2011): 269-283. Print. «

**Journal Paper:** Shalini, Khazanchi, and Suzanne S. Masterson. "Who and What is Fair Matters: A multi-foci Social Exchange Model of Creativity." *Journal of Organizational Behavior* 32. 1 (2011): 186-106. Print. «

### **Xanthe Matychak, Lecturer**

**Journal Paper:** Matychak, Xanthe. "Creative Capacity of Social Business Models." *Rotman Magazine* fall 2011. (2011): 28-29. Print. ^

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

Matychak, Xanthe. "Make Better Stuff: The Rise of Social Business and Distributed Manufacturing." *TEDx Rochester*. TEDx Rochester. GEVA Theater, Rochester, NY. 7 Nov. 2011. Lecture. Δ

### **Michael Palanski, Assistant Professor**

**Journal Paper:** Clarcq, J., R. DeMartino, and M.E. Palanski. "George C. Marshall: An Enduring Model of Leadership Effectiveness." *Journal of Character and Leadership Integration*. 2 (2011): 17-34. Print. « £

**Journal Paper:** Palanski, M.E. and G. Vogelgesang. "Virtuous Creativity: The Effects of Leader Behavioural Integrity on Follower Creative Thinking and Risk Taking." *Canadian Journal of Administrative Sciences*. 28 (2011): 259-269. Print. « £

**Journal Paper:** Avery, J., M.E. Palanski, and F. Walumbwa. "When Leadership Goes Unnoticed: The Moderating Role of Follower Self-esteem on the Relationship Between Ethical Leadership and Follower Behaviors." *Journal of Business Ethics*. 98 (2011): 573-582. Print. « £

**Journal Paper:** Palanski, M.E., S. Kahai, and F.J. Yammarino. "Team Virtues and Performance: An Examination of Transparency, Behavioral Integrity, and Trust." *Journal of Business Ethics*. 99 (2011): 201-216. Print. « £

**Journal Paper:** Palanski, M. E. and F. J. Yammarino. "Effects of Behavioral Integrity on Follower Job Performance: A Three-study Examination." *Leadership Quarterly*. 22 (2011): 765-786. Print. « £

### **Sandra Rothenberg, Associate Professor**

**Journal Paper:** Rothenberg, Sandra and John Ettl. "Strategies to Cope with Regulatory Uncertainty in the Auto Industry: Platform and Functional Integration." *California Management Review* 54. 1 (2011): 126-144. Print. \*

**Journal Paper:** Rothenberg, Sandra and David Levy. "Corporate Perceptions of Climate Science: The Role of Corporate Environmental Scientists." *Business and Society*. (2011): 1-31. Print. \*

## Management Information Systems

### **Qiang Tu, Professor**

**Journal Paper:** Tu, Qiang, Monideepa Tarafdar, and T. S. Ragu-Nathan. "Crossing to the Dark Side: Examining the Creators, Outcomes and Inhibitors of Technostress." *Communications of the ACM* 54. 9 (2011): 113-120. Print. «

**Journal Paper:** Tu, Qiang, *et al.* "A Mechanism for External Competence Transfer to Improve Manufacturing System Capabilities and Market Performance." *International Journal of Production Economics* 132. 1 (2011): 68-78. Print. «

**Journal Paper:** Tu, Qiang, Qin Shu, and Kanliang Wang. "The Impact of Computer Self-efficacy and Technology Dependence on Computer-Related Technostress: A Social Cognitive Theory Perspective." *International Journal of Human-Computer Interaction* 27. 10 (2011): 923-939. Print. «

**Journal Paper:** Tu, Qiang, Kun Liao, and Yulong Li. "The Relationship of Integration and Automation Under an Uncertain Environment: A SEM Model." *International Journal of Manufacturing Technology and Management* 22. 4 (2011): 344-361. Print. «

## Marketing

### **Neil Hair, Associate Professor**

**Journal Paper:** Hair, Neil Frederick, Susan B. Barbes, and Zeljka Hadija. "Why We Ignore Advertising in Online Social Networks." *Qualitative Market Research - an International Journal* 15. 1 (2012): 19 - 32. Print. «

**Journal Paper:** Hair, Neil Frederick, Evgeny Kagner, and Sandra Sieber. "Social Technologies in the Enterprise: Rising to the Challenge." *European Business Review*. (2011): 0. Web. £

### **Published Conference**

**Proceedings:** Hair, Neil Frederick and Adriana M. Boveda-Lambie. "Invertising vs. Advertising: The Influence of B2C Communication in Social Media on Customer-Brand Relationships." *Proceedings of the International Colloquium in Relationship Marketing*. Ed. Neil Frederick Hair. Rochester. NY: *n.p.*, 2011. Web. «

**Published Conference**

**Proceedings:** Hair, Neil Frederick and Victor Perotti. "Users Perception of Value in Online Social Networks." *Proceedings of the International Colloquium in Relationship Marketing*. Ed. Neil Frederick Hair. Rochester, NY: *n.p.*, 2011. Web. «

**Published Conference**

**Proceedings:** Hair, Neil Frederick and Victor Perotti. "User Experience in Online Social Networks: A Qualitative Analysis of Key Activities and Associated Features." *Proceedings of the Hawaii International Conference on System Sciences*. Ed. HICSS. Hawaii: *n.p.*, 2011. Print. «





New York State Pollution  
Prevention Institute

**Anahita Williamson, Research  
Assistant Professor**

**Published Conference**

**Proceedings:** Williamson, Anahita, Brian Hilton, and Kate Winnebeck. "The Future of Toner: Life-Cycle Inventory, Impacts and Environmental Technologies." *Proceedings of the NIP and Digital Fabrication 2011, Minneapolis, MN, October 2011*. Ed. The Society for Imaging Science and Technology. MN: *n.p.*, 2011. Web.

**Invited Presentations/Keynotes:**

Williamson, Anahita. "Tonawanda Regional Pollution Prevention Partnership: Opportunities to Advance Regional Cluster Competitiveness Through Green Chemistry and Engineering." *Unleashing Green Chemistry and Engineering in the Service of a Sustainable Future*. EPA. National Museum of the American Indian, New York, NY. 23 Sep. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Williamson, Anahita. "Evolving Role of EHS Manager in Industrial Sustainability Programs." *Environmental Management Leadership Symposia History*. CAST. RIT, Rochester, NY. 2-3 May 2011. Conference Presentation. Δ

**Published Conference**

**Proceedings:** Trabold, Thomas A., *et al.* "Analysis of Waste-to-Energy Opportunities in the New York State Food Processing Industry." *Proceedings of the ASME 2011 5th International Conference on Energy Sustainability & 9th Fuel Cell Science, Engineering and Technology Conference, August 7-10, 2011, Washington D.C.* Ed. ESFuelCell2011. Washington D.C.: *n.p.*, 2011. Web.

**Invited Presentations/Keynotes:**

Williamson, Anahita. "Tools for Businesses." *Healthy Economy & Environment (HE2)*. Clean & Healthy New York. Legislative Office Building, Albany, NY. 6-7 Dec. 2011. Conference Presentation. Δ

**Kate Winnebeck**

**Journal Paper:** Winnebeck, Kathryn H. "Today's Environmental Manager's Toolbox: Evaluating the EHS Attributes of Products." *Journal of Environmental Sustainability* 1. (2011): 105-120. Web. «

(continued on page 108)

**Key for use with all citations**

\* Blind Peer Reviewed  
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Δ Invited Paper  
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† RIT Student  
‡ External Funding



# Understanding technology and the environment.

**ERIC WILLIAMS** IS AN ASSOCIATE PROFESSOR IN THE GOLISANO INSTITUTE OF SUSTAINABILITY. HE CONDUCTS RESEARCH TO UNDERSTAND AND MANAGE THE SUSTAINABILITY IMPLICATIONS OF TECHNOLOGY.

Technology is the primary tool used to address environmental problems, but at the same time technology shapes and drives sustainability challenges. As society works to grapple with achieving multiple environmental, economic and social objectives, the interaction between technology and society becomes more complex, often leading to trade-offs. To address these issues, Dr. Williams works on systems approaches such as life cycle assessment and models of technological progress and diffusion.

Dr. Williams published four peer-reviewed articles in 2011, including one article in the prestigious journal *Nature*. The *Nature* article overviewed the systems environmental implications of information and communications technology, synthesizing a decade of his work on the topic with that of other researchers. A nota-

ble result from his research is that the manufacturing of personal computers requires more energy than their operation, implying new strategies for their environmental management. He is a leading researcher on electronic waste. Used and scrap electronics from the U.S. and other rich countries is often exported to the developing world and recycled with low technology that causes significant environmental harm. At the same time, refurbishment of electronics provides jobs and improves standards of living. He aims to mitigate environmental damages while improving social benefits.

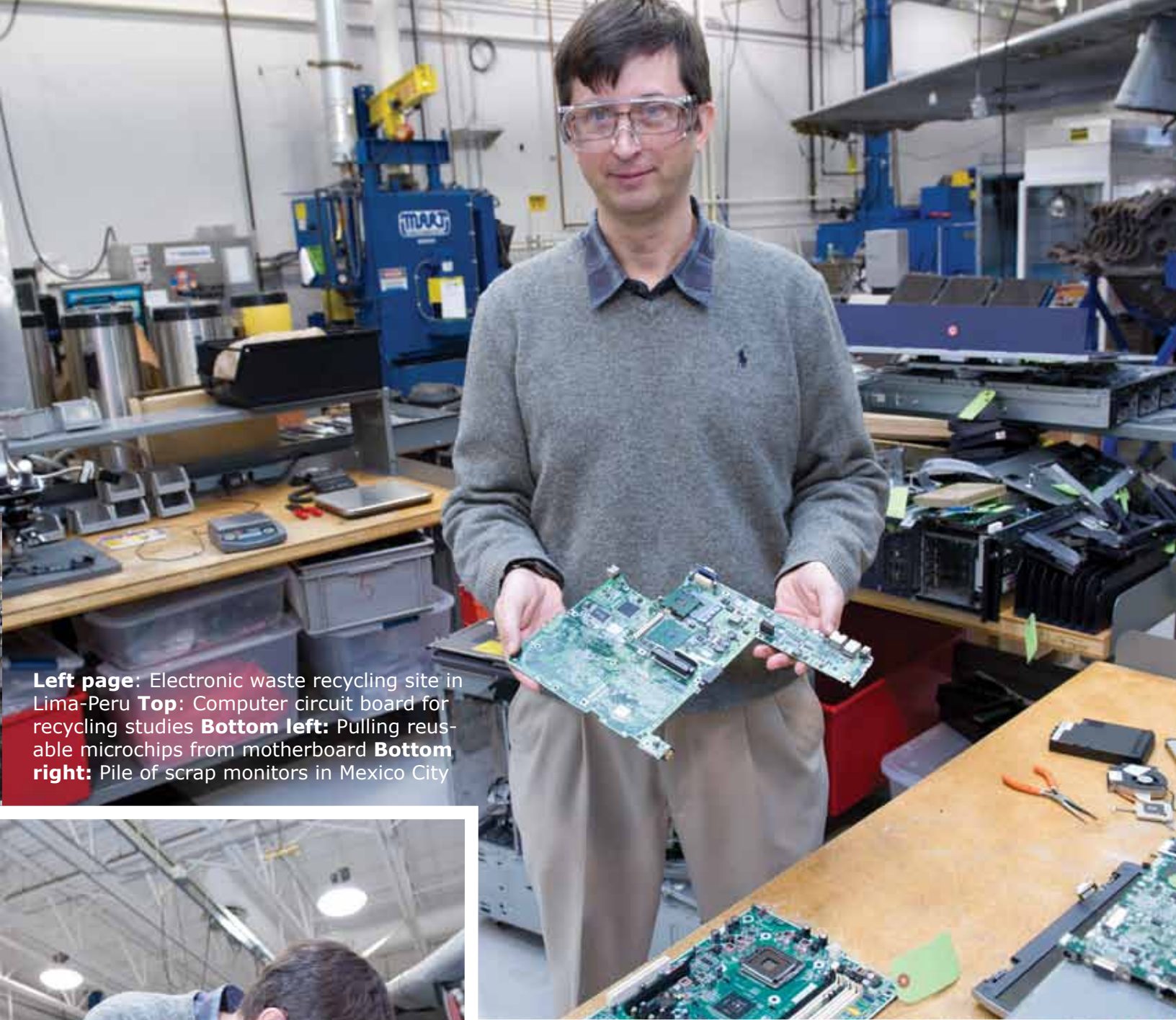
Dr. Williams has been principal investigator of three grants from the National Science Foundation. A recently completed grant supported work on electronic waste. One current grant develops improved modeling of technological progress in renewable energy and the second



aims to better understand and reduce carbon emissions for urban systems.

He is also active in engaging outside of academia to disseminate research results. In 2008 he testified before a U.S. congressional committee developing legislation on electronic waste. His work has been covered in media in outlets such as USA Today, Science, and the BBC. He has served on three committees of the National Research Council, one of the main organizations providing scientific input to national policy-making processes.





**Left page:** Electronic waste recycling site in Lima-Peru **Top:** Computer circuit board for recycling studies **Bottom left:** Pulling reusable microchips from motherboard **Bottom right:** Pile of scrap monitors in Mexico City





**Journal Paper:** Winnebeck, Kathryn H. "An Abbreviated Alternatives Assessment Process for Product Designers: A Children's Furniture Manufacturing Case Study." *Journal of Cleaner Production* 19. 5 (2011): 464-476. Print. «

## PhD in Sustainability

### **Paul Ardis**

#### **Published Conference**

**Proceedings:** Vannicola, Catherine M., et al. "Mitigation of Reverberation on Speaker Identification via Homomorphic Filtering of the Linear Predictive Residual." *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing 2011*. Ed. unknown. Prague, Czech Republic: n.p., 2011. Print. \* ≠

#### **Published Conference**

**Proceedings:** Lawson, Aaron, et al. "Survey and Evaluation of Acoustic Features for Speaker Recognition." *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing 2011*. Ed. unknown. Prague, Czech Republic: n.p., 2011. Print. \* ≠

### **Callie Babbitt, Assistant Professor**

**Journal Paper:** Anctil, Annick, et al. "Material and Energy Intensity of Fullerene Production." *Environmental Science & Technology* 45. 6 (2011): 2353-2359. Print. \*

**Journal Paper:** Babbitt, Callie W., Eric D. Williams, and Ramzy Kahhat. "Institutional Disposition and Management of End-of-Life Electronics." *Environmental Science and Technology* 45. 12 (2011): 5366-5372. Print. \*

**Journal Paper:** Deng, Liqui, Callie W. Babbitt, and Eric D. Williams. "Economic-balance Hybrid LCA Extended with Uncertainty Analysis: Case Study of a Laptop Computer." *Journal of Cleaner Production* 19. 11 (2011): 1198-1206. Print. \*

### **Published Conference**

**Proceedings:** Lin, Jay, et al. "Assessment of Bio-fuel Options for Solid Oxide Fuel Cell-based Auxiliary Power Units." *Proceedings of the 2011 IEEE International Symposium on Sustainable Systems and Technology (ISSST)*. Ed. unknown. Chicago, IL: IEEE, Print. £

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

Babbitt, Callie W. "Institutional Disposition and Management of End-of-Life Computing Equipment." *Sustainable Electronics Initiative Symposium*. University of Illinois, Urbana-Champaign. UIUC, Champaign, IL. 22 Mar. 2011. Conference Presentation.

### **Gabrielle Gaustad, Assistant Professor**

**Journal Paper:** Olivetti, Elsa, Gabrielle Gaustad, and Randolph Kirchain. "Characterizing the Source and Drivers of Benefit from Explicit Consideration of Quality Variation in Process Management for Materials Production." *Environmental Science and Technology* 45. 9 (2011): 4118-4126. Print. \* ≠

**Journal Paper:** Gaustad, Gabrielle, Elsa Olivetti, and Randolph Kirchain. "Towards Sustainable Material Usage: Evaluating the Importance of Market Motivated Agency in Modeling Material Flows." *Environmental Science and Technology* 45. 9 (2011): 4110-4117. Print. \*

**Book Chapter:** Gaustad, Gabrielle. "Recycling." *Natural Resources: Encyclopedia of Sustainability*. Ed. Sarah Fredericks, Lei Shen, and Daniel Vasey. New York, NY: Berkshire, 2011. 200-210. Print. \* Δ

### **Nabil Nasr, Professor**

**Journal Paper:** Nasr, Nabil. "Export Sustainable Manufacturing Ideas." *Industrial Engineer*. December (2011): 24. Print. ^

**Journal Paper:** Nasr, Nabil. "Manufacturing for a Crowded Planet." *Industrial Engineer*. September (2011): 24. Print. ^

**Journal Paper:** Nasr, Nabil. "Real-World Remanufacturing." *Industrial Engineer*. June (2011): 24. Print. ^

**Journal Paper:** Nasr, Nabil. "Sustainability and Singapore." *Industrial Engineer*. March (2011): 24. Print. ^

**Journal Paper:** Hu, S. J., et al. "Assembly System Design and Operations for Product Variety." *CIRP Annals* 60. 2 (2011): 715-733. Print. Δ

### **Published Conference**

**Proceedings:** Nasr, Nabil, Brian Hilton, and Robert German. "A Framework for Sustainable Production and a Strategic Approach to a Key Enabler: Remanufacturing." *Proceedings of the 8th Global Conference on Sustainable Manufacturing: Advances in Sustainable Manufacturing, November 22-24, 2010, Abu Dhabi*. Ed. Gunther Seliger, Marwan M. K. Khraisheh, and I. S. Jawahir. Berlin, Germany: Springer, 2011. Print. Δ

**Invited Presentations/Keynotes:** Nasr, Nabil. "Assembly System Design and Operations for Product Variety." *61st CIRP General Assembly, Session on Assembly*. CIRP; The International Academy for Production Engineering. InterContinental Budapest Hotel, Budapest, Hungary. 22 Aug. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Nasr, Nabil. "Metrics for Sustainable Production." *61st Annual IIE Conference and Expo*. Institute of Industrial Engineers. Grand Sierra Resort Hotel, Reno, NV. 25 May 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:** Nasr, Nabil. "Global Sustainability Challenges." *Raytheon 2011 Environment Health and Safety Leadership Forum*. Raytheon Company. Grand Hyatt Tampa Bay, Tampa Bay, FL. 19 Apr. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:** Nasr, Nabil. "Sustainability in Manufacturing - A Business Opportunity." *Business Opportunities in Sustainable Manufacturing*. Singapore Institute of Manufacturing Technology (SIMTech). Sustainable Manufacturing Centre, Singapore, Singapore. 21 Jan. 2011. Keynote Speech.

**Invited Presentations/Keynotes:** Nasr, Nabil. "An Approach to Comprehensive Evaluation of Sustainable Manufacturing Tradeoffs." *ICOSSE 2011*. International Congress on Sustainability Science and Engineering. J.W. Marriott Starr Pass Hotel, Tucson, AZ. 10 Jan. 2011. Keynote Speech.

**Thomas Trabold, Associate Professor**

**Journal Paper:** Trabold, T. A., *et al.* "Measurement and Analysis of Carbon Formation During Diesel Reforming for Solid Oxide Fuel Cells." *International Journal of Hydrogen Energy*. (2011): 1-12. Web. £

**Journal Paper:** Daino, M. M., *et al.* "Through-plane Water Transport Visualization in PEMFC by Visible and Infrared Imaging." *Electrochemical and Solid-State Letters* 14. (2011): B51-B54. Print. £

**Published Conference**

**Proceedings:** Trabold, T. A., *et al.* "Analysis of Waste-to-Energy Opportunities in the New York State Food Processing Industry." *Proceedings of the ASME 5th International Conference on Energy Sustainability*. Ed. P. Singh. Washington, D.C.: ASME, 2011. Print. £

**Published Conference**

**Proceedings:** Walluk, M. R., *et al.* "Development of Accelerated Durability Protocols for Solid Oxide Fuel Cell Systems." *Proceedings of the 2011 NDIA Ground Vehicle Systems Engineering and Technology Symposium*. Ed. GVSETS. Dearborn, MI: *n.p.*, 2011. Print. £

**Published Conference**

**Proceedings:** Lin, J., *et al.* "Assessment of Bio-fuel Options for Solid Oxide Fuel Cell-based Auxiliary Power Units." *Proceedings of the 2011 IEEE International Symposium on Sustainable Systems and Technology (ISSST)*. Ed. M. Eckelman. Chicago: IEEE, 2011. Print. £

**Invited Presentations/Keynotes:**

Trabold, T. A. "Fuel Reforming for Solid Oxide Fuel Cells: Durability Effects and Renewable Fuel Options." *Graduate Seminar Series*. Department of Chemical Engineering. Queen's University, Kingston, Ontario. 3 Nov. 2011. Guest Lecture.

**Invited Presentations/Keynotes:**

Trabold, T. A. "Durability of SOFC-based Auxiliary Power Units." *Advanced Energy Conference*. Advanced Energy Research and Technology Center. Hyatt Regency, Buffalo, NY. 12 Oct. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Trabold, T. A. "Fuel Cells for Mobility, Auxiliary Power and Stationary Power Systems." *Guest Lecture Series*. Laboratory for Laser Energetics (LLE). University of Rochester, Rochester, NY. 30 Sep. 2011. Guest Lecture.

**Eric Williams, Associate Professor**

**Journal Paper:** Williams, Eric. "Environmental Effects of Information and Communication Technologies." *Nature* 479. (2011): 354-358. Print. \*

**Journal Paper:** Williams, Eric and Liqiu Deng. "Functionality Versus "Typical Product" Measures of Energy Efficiency: Case Study of Semiconductor Manufacturing." *Journal of Industrial Ecology* 15. 1 (2011): 108-121. Print. \*

**Journal Paper:** Babbitt, Callie, Eric Williams, and Ramzy Kahhat. "Institutional Disposition and Management of End-of-Life Electronics: Case Study of U.S. Universities." *Environmental Science & Technology* 45. (2011): 5366-5372. Print. \*

**Journal Paper:** Deng, Liqiu, Callie Babbitt, and Eric Williams. "Economic-Balance Hybrid LCA Extended with Uncertainty Analysis: Case Study of Laptop Computer." *Journal of Cleaner Production* 19. 11 (2011): 1198-1206. Print. \*

## Research Centers

### **Brian Duddy**

**Journal Paper:** Duddy, Brian, *et al.* "Conversion of a Spark-Ignited Aircraft Engine to JP-8 Heavy Fuel for Use in Unmanned Aerial Vehicles." *SAE International Journal of Engines* 4. 1 (2011): 82-93. Print. \* £

### **Nenad Nenadic, Research Associate Professor**

#### **Published Conference**

**Proceedings:** Nenadic, Nenad G., *et al.* "Seeding Cracks Using a Fatigue Tester for Accelerated Gear Tooth Breaking." *Proceedings of the IMAC XXIX A Conference and Exposition on Structural Dynamics*. Ed. Tom Proulx. New York: Springer, 2011. Web. ~

### **Michael Thurston, Research Associate Professor**

#### **Published Conference**

**Proceedings:** Thurston, Michael G., Michael Haselkorn, and Nabil Nasr. "Integrating Life-Cycle Planning Considerations into Design through the Innovation Based Design Process." *Proceedings of the 2011 NDIA Ground Vehicle Systems Engineering and Technology Symposium*. Ed. NDIA. Detroit, MI: *n.p.*, 2011. Print. £

### **Mark Walluk**

#### **Published Conference**

**Proceedings:** Walluk, Mark, *et al.* "Development of Accelerated Durability Protocols for Solid Oxide Fuel Cell Systems." *Proceedings of the NDIA Ground Vehicle Systems Engineering and Technology Symposium*. Ed. Leslie Ann Smith. Detroit, MI: *n.p.*, 2011. Print. Δ ≠



Center for Quality and Applied Statistics

**Peter Bajorski, Associate Professor**

**Journal Paper:** Bajorski, Peter. "Generalized Detection Fusion for Hyperspectral Images." *IEEE Transactions on Geoscience and Remote Sensing* PP. 99 (2011): 1-7. Print. \*

**Journal Paper:** Bajorski, Peter. "Statistical Inference in PCA for Hyperspectral Images." *IEEE Journal of Selected Topics in Signal Processing* 5. 3 (2011): 438-445. Print. \*

**Journal Paper:** Bajorski, Peter. "Second Moment Linear Dimensionality as an Alternative to Virtual Dimensionality." *IEEE Transactions on Geoscience and Remote Sensing* 49. 2 (2011): 672-678. Print. \*

**Invited Presentations/Keynotes:** Bajorski, Peter. "Generalized Fusion: A New Framework for Hyperspectral Detection." *Algorithms and Technologies for Multispectral, Hyperspectral, and Ultraspectral Imagery XVII*. SPIE. Orlando, Orlando, FL. 25 Apr. 2011. Keynote Speech. Δ

**Full Length Book:** Bajorski, Peter. *Statistics for Imaging, Optics, and Photonics*. 1st ed. Hoboken, NJ: Wiley, 2011. Print. \*

**Published Conference**

**Proceedings:** Bajorski, Peter. "Directional Segmented Matched Filter for Hyperspectral Images." *Proceedings of the Hyperspectral Image and Signal Processing: Evolution in Remote Sensing*. Ed. A. Plaza. Lisbon: n.p., 2011. Web. \*

**Published Conference**

**Proceedings:** Bajorski, Peter. "Min-max Detection Fusion for Hyperspectral Images." *Proceedings of the Hyperspectral Image and Signal Processing: Evolution in Remote Sensing*. Ed. A. Plaza. Lisbon: n.p., 2011. Web. \*

**Ernest Fokoue, Assistant Professor**

**Journal Paper:** Fokoue, Ernest. "Stable Radial Basis Function Selection via Mixture Modelling of the Sample Path." *Journal of Data Science* 9. 3 (2011): 345-358. Web. \* £

**Journal Paper:** Fokoue, Ernest, Dongchu Sun, and Prem Goel. "Fully Bayesian Analysis of the Relevance Vector Machine With Extended Prior." *Statistical Methodology* 8. (2011): 83-96. Print. \* £

(continued on page 116)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

† RIT Student  
‡ External Funding



# Research at the networking and information processing lab.

**ANDRES KWASINSKI** IS AN ASSISTANT PROFESSOR IN THE DEPARTMENT OF COMPUTER ENGINEERING. HE CO-DIRECTS THE NETWORKING AND INFORMATION PROCESSING (NETIP) LABORATORY, PERFORMING RESEARCH ON DIVERSE AREAS OF WIRELESS NETWORKING AND SIGNAL PROCESSING.

Dr. Kwasinski performs research on multimedia wireless communications and networking, cross layer designs, cognitive radio networks, user cooperative communications, resource allocation in wireless networks, digital signal processing and speech, image and video processing for signal compression and communication. One of his main focuses of research is the application of cognitive radio for the dynamic allocation of networking resources, jointly considering

and adapting multiple layers of the network protocol stack. With a background in the application of cooperation between wireless network nodes, Dr. Kwasinski is researching how performance information learned by a node could be collab-

oratively shared with other nodes to help them make better resource use decisions at a lower processing complexity. Dr. Kwasinski is also researching the application of networking and signal processing



technologies in the development of resources allocation algorithms in smart infrastructures. Dr. Kwasinski also conducts research in signal processing methods to extract information from multimedia signals, especially speech.

Dr. Kwasinski is a Senior Member of the IEEE, serving as Area Editor for the IEEE Signal Processing Magazine, managing the publication of seven regular features columns, and is an Editor of the IEEE Transactions on Wireless Communications. Dr. Kwasinski is also the Chair for the IEEE Multimedia Technical Committee Interest Group on Distributed and Sensor Networks for Mobile Media Computing and Applications and had been in the organiz-

ing committee of several international conferences. Dr. Kwasinski has co-authored the book "Cooperative Communications and Networking" (Cambridge University Press, 2009).





**Top:** Dr. Kwasinski co-directs the Networking and Information Processing Laboratory, located in the Kate Gleason College of Engineering **Bottom:** Research into wireless networks and digital signal processing technology are helping advance the future of networking and its applications





**Journal Paper:** Fokoue, Ernest and Prem Goel. "An Optimal Experimental Design Perspective on Radial Basis Function Regression." *Communications in Statistics: Theory and Methods* 40. 6 (2011): 1-12. Print. « £

**Journal Paper:** Fokoue, Ernest and Bertrand Clarke. "Bias-Variance Trade-off for Prequential Model List Selection." *Statistical Papers* 52. 4 (2011): 813-833. Print. \* £

**Journal Paper:** Fokoue, Ernest. "Beta Induced Sparsity Algorithm." *Advanced and Applications in Statistical Science*. (2011): 1-4. Web. \* £

## Chemical and Biomedical Engineering

### **Karuna Koppula, Visiting Assistant Professor**

**Journal Paper:** Koppula, Karuna S. "Turbulent Energy Redistribution in Spanwise Rotating Channel Flows." *Industrial and Engineering Chemistry Research* 50. 15 (2011): 8905-8916. Web. Δ

### **Brian Landi, Assistant Professor**

**Journal Paper:** Anctil, A. and C. W. Babbitt, R. P. Raffaele, B. J. Landi. "Material and Energy Intensity of Fullerene Production." *Environmental Science & Technology*. 45. (2011): 2353-2359. Print. \*

**Journal Paper:** Ganter, M. J. and R. A. DiLeo, C. M. Schauerman, R. E. Rogers, R. P. Raffaele, B. J. Landi. "Differential Scanning Calorimetry Analysis of an Enhanced LiNi<sub>0.8</sub>Co<sub>0.2</sub>O<sub>2</sub> Cathode with Single Wall Carbon Nanotube Conductive Additives." *Electrochim. Acta* 56. (2011): 7272-7277. Print. \*

**Journal Paper:** Rogers, R. E., *et al.* "Solution-phase Adsorption of 1-pyrenebutyric Acid Using Single-wall Carbon Nanotubes." *Chemical Engineering Journal* 173. (2011): 486-493. Print. \*

**Journal Paper:** Cress, C. D., *et al.* "Total Ionizing Dose-hardened Carbon Nanotube Thin-film transistors with Silicon Oxynitride Gate Dielectrics." *MRS Communications* 1. (2011): 27-31. Print. \*

**Journal Paper:** Jarosz, P., *et al.* "Carbon Nanotube Wires and Cables: Near-Term Applications and Future Perspectives." *Nanoscale* 3. (2011): 4542-4553. Print. \*

**Journal Paper:** DiLeo, R. A., *et al.* "Hybrid Germanium Nanoparticle-Single Wall Carbon Nanotube Free-Standing Anodes for Lithium Ion Batteries." *The Journal of Physical Chemistry* 115. (2011): 22609-22614. Print. \*

### **Published Conference**

**Proceedings:** Cress, C.D., *et al.* "Radiation -Hardening of Carbon Nanoelectronics." *Proceedings of the Government Microcircuit Applications and Critical Technologies Conference*. Ed. GOMAC Tech. Orlando, FL: *n.p.*, 2011. Print. £

**Christiaan Richter, Assistant Professor**

**Journal Paper:** Konezny, Steven J., *et al.* "Fluctuation-Induced Tunneling Conductivity in Nanoporous TiO<sub>2</sub> Thin Films." *Journal of Physical Chemistry Letters* 2. 15 (2011): 1931-1936. Print. \*

**Invited Presentations/Keynotes:**

Richter, Christiaan and Charles A. Schmuttenmaer. "Photoconductivity in TiO<sub>2</sub> Nanotubes Measured by Time Resolved Terahertz Spectroscopy." *Optical Terahertz Science and Technology 2011*. OTST Organizing Committee. Fess Parker Conference Center, Santa Barbara, CA. 14 Mar. 2011. Conference Presentation. Δ

**Patricia Taboada-Serrano, Assistant Professor**

**Invited Presentations/Keynotes:**

Taboada-Serrano, Patricia. "Energy for Underserved Populations: Gender Considerations." *Inter American Network of Academies of Sciences (IANAS) Energy Project Meeting*. Inter American Network of Academies of Sciences (IANAS) and the Colombian Academy of Sciences. Colombian Academy of Sciences, Bogota, Colombia. 9 Jun. 2011. Conference Presentation. Δ

**Steven Weinstein, Professor**

**Journal Paper:** Rogers, R. E., *et al.* "Solution-phase Adsorption of 1-pyrenebutyric Acid Using Single-wall Carbon Nanotubes." *Chemical Engineering Journal* 173. 1 (2011): 486-493. Print. £

**Journal Paper:** Norton, M. M., R. J. Robinson, and S. J. Weinstein. "Model of Ciliary Clearance and the Role of Mucus Rheology." *Physical Review E* 83. 1.1:011921 (2011): 1-12. Print. £

Computer Engineering

**Juan Cockburn, Associate Professor**

**Published Conference**

**Proceedings:** Cockburn, Juan C., Ken McLoud, and Jeffrey Wagner. "Robust Control of Predator-Prey-Hunter Systems." *Proceedings of the 2011 American Control Conference*. Ed. IEEE. USA: IEEE, 2011. Print. £

**Amlan Ganguly, Assistant Professor**

**Journal Paper:** Ganguly, Amlan, *et al.* "Scalable Hybrid Wireless Network-on-Chip Architectures for Multi-Core Systems." *IEEE Transactions on Computers* 60. 10 (2011): 1485-1502. Print. «

**Journal Paper:** Chang, Kevin, *et al.* "Performance Evaluation and Design Trade-Offs for Wireless Network-on-Chip Architectures." *ACM Journal on Emerging Technologies in Computing Systems*. (2011): 000-000. Print. £

**Published Conference**

**Proceedings:** Ganguly, Amlan, *et al.* "A Unified Error Control Coding Scheme to Enhance the Reliability of a Hybrid Wireless Network-on-Chip." *Proceedings of the IEEE Defect and Fault Tolerance Symposium (DFTS)*. Ed. unknown. Vancouver, Canada: IEEE, 2011. Print. «

### **Published Conference**

**Proceedings:** Ganguly, Amlan, Paul Wettin, and Partha Pande. "Complex Network Inspired Fault-tolerant NoC Architectures with Wireless Links." *Proceedings of the IEEE/ACM International Symposium on Networks-on-Chip (NOCS)*. Ed. unknown. Pittsburgh, PA: IEEE/ACM, 2011. Print. «

### **Published Conference**

**Proceedings:** Ganguly, Amlan, Partha Kundu, and Pradip Bose. "Curb-ing Energy Cravings in Networks: A Cross-sectional View Across the Micro-Macro Boundary." *Proceedings of the IEEE/ACM International Symposium on Networks-on-Chip (NOCS)*. Ed. xxx. Pittsburgh, PA: IEEE/ACM, 2011. Print. £

### **Published Conference**

**Proceedings:** Pande, Partha, *et al.* "Sustainability through Massively Integrated Computing: Are We Ready to Break the Energy Efficiency Wall for Single-Chip Platforms?" *Proceedings of the Design, Automation and Test in Europe*. Ed. unknown. France: IEEE/ACM, 2011. Print. £

**Book Chapter:** Pande, Partha, *et al.* "Energy-Efficient Network-on-Chip Architectures for Multicore Systems." *Handbook of Energy-Aware and Green Computing*. Ed. Ishfaq Ahmad and Sanjay Ranka. USA: Hapman and Hall/CRC Press Taylor and Francis Group LLC, 2011. 000-000. Print. £

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

Ganguly, Amlan. "Answer from Nature: Addressing the Challenges of Fault-Tolerance and Integration of Emerging On-Chip Interconnects in NoCs." *Diagnostic Services in Networks-on-Chips*. Design and Automation Conference. San Diego, San Diego, CA. 5 Jun. 2011. Lecture. Δ

### **Kenneth Hsu, Professor**

#### **Shows/Exhibits/Installations:**

Cheung, Daniel. *eHealth Intelligence System with K60*. By Daniel Liu, Sam Skalicky, and Kenneth W. Hsu. 20-23 Jun. 2011. Freescale Technology Forum 2011, San Antonio, TX. Performance. £

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

Cheung, Daniel, *et al.* "Make it Challenge - K60: Tower Track RIT eHealth (grand prize)." *Freescale Technology Forum 2011*. Freescale Semiconductor Company. J. W. Marriott Resort Hotel, San Antonio, TX. 20-23 Jun. 2011. Conference Presentation. Δ

#### **Shows/Exhibits/Installations:**

Cheung, Daniel. *eHealth Intelligence System with K60*. By Kenneth W. Hsu. 15 Jul. 2011. RIT Innovation Center, Rochester. Performance. †

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

Hsu, Kenneth W. and Daniel Cheung. "eHealth Intelligence System." *Designing with Freescale University Programs Seminar*. Freescale Semiconductor Inc. Far Eastern Hotel, Taipei, Taiwan. 11 Oct. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**

Hsu, Kenneth W., Daniel Cheung, and Sam Skalicky. "C Development for Kinetis K60: Overview of I.MX and Kinetis." *2nd ARM Developer Day*. RIT. CAST, Rochester, NY. 2 Dec. 2011. Lecture. Δ

**Shows/Exhibits/Installations:**

Cheung, Daniel. *Make it Challenge - Grand Prize "eHealth Hardware and Software Design"*. By Daniel Liu, Sam Skalicky, and Kenneth W. Hsu. 22 Jun. 2011. J. W. Marriott Resort Hotel, San Antonio, TX. Performance. £

**Dhiresha Kudithipudi, Assistant Professor**

**Book Chapter:** Hicks, John Kevin and Dhiresha Kudithipudi. "Sub-threshold Computing." *Handbook of Energy-Aware and Green Computing*. Ed. Sanjay Ranka and Ishfaq Ahmad. USA: Chapman & Hall/CRC, 2011. 3-21. Print. \* ~

**Journal Paper:** Hicks, John Kevin and Dhiresha Kudithipudi. "Hybrid Subthreshold and Nearthreshold Design Methodology for Energy Minimization." *Journal of Low Power Electronics* 7. 2 (2011): 172-184. Print. ~

**Published Conference**

**Proceedings:** Merkel, Cory, et al. "Design and Analysis of Reconfigurable N-Level Resistive Random Access Memory." *Proceedings of the International Joint Conference on Neural Networks*. Ed. IEEE. IEEE Explore: n.p., 2011. Print. \*

**External Scholarly Fellowships:**

6/15/2011 -

8/15/2011

AirForce Research Labs

Amount: \$15,500 ~ ≠

**Published Conference**

**Proceedings:** Kandlikar, Satish, Dhiresha Kudithipudi, and C. A. Rubio-Jimenez. "Cooling Mechanisms in 3D ICs: Thermo-Mechanical Perspective." *Proceedings of the International Workshop on Thermal Modeling and Management*. Ed. IEEE. IEEE Explore: n.p., 2011. Print. ~

**Invited Presentations/Keynotes:**

Kudithipudi, Dhiresha. "Reconfigurable Memristor Fabrics." *ECE Graduate Smeinar*. University of Connecticut. University of Connecticut, Hartford, CT. 8 Apr. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Kudithipudi, Dhiresha. "Modeling of Thin-Film Memristors and Application Domains." *CNSE Graduate Seminar*. CNSE. CNSE, Albany, NY. 7 Jul. 2011. Guest Lecture. Δ

**Shows/Exhibits/Installations:**

Kudithipudi, Dhiresha. *Dynamically Reconfigurable Computational Fabrics using Memristors*. By Cory Merkel. 25 Mar. 2011. Center for Electronic Imaging Systems, Rochester. Exhibit. Δ

**Andres Kwasinski, Assistant Professor**

**Journal Paper:** Su, Guan-Ming, et al. "3D Video Communications: Challenges and Opportunities." *International Journal of Communication Systems* 24. 10 (2011): 1261-1281. Print. \*



**Full Length Book:** Liu, K. J. R., *et al.* *Cooperative Communications and Networking*. Chinese Edition ed. Beijing, China: Cambridge University Press, 2011. Print. ~

**External Scholarly Fellowships:**

6/6/2011 -

7/29/2011

Air Force Research Laboratory

Amount: \$10,400 ≠

**Invited Presentations/Keynotes:**

Kwasinski, Andres. "A Framework for Cross-Layer Technology Implementation based on the Cognitive and Docitive Radio Paradigms." *Centre Tecnologic de Telecomunicacions de Catalunya*. Centre Tecnologic de Telecomunicacions de Catalunya. Casteldelfels, Barcelona, Spain. 25 Oct. 2011. Address. Δ

**Journal Editor:** Kwasinski, Andres, ed. *Journal of Selected Topics in Signal Processing*. IEEE: IEEE, 2011. Print. £

**Journal Editor:** Kwasinski, Andres, ed. *Signal Processing Magazine*. N/A: IEEE, 2011. Print. £

**Journal Editor:** Kwasinski, Andres, ed. *Multimedia Technical Committee E-Letter*. N/A: IEEE Comsoc Multimedia Technical Committee, 2011. Web. Δ

**Journal Editor:** Kwasinski, Andres, ed. *Transactions on Wireless Communications*. N/A: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Wang, Wenbo and Andres Kwasinski. "Experience Cooperative Sharing in Cross-Layer Cognitive Radio for Real-Time Multimedia Communication." *Proceedings of the 4th International Conference on Cognitive Radio and Advanced Spectrum Management (CogART 2011)*. Ed. unknown. Barcelona, Spain: ACM, 2011. Print. Δ

**Published Conference**

**Proceedings:** Layerle, David and Andres Kwasinski. "A Power Efficient Pulsed MAC Protocol for Body Area Networks." *Proceedings of the 22nd IEEE Personal Indoor Mobile Radio Communications (PIMRC'11)*. Ed. unknown. Toronto, Canada: IEEE, 2011. Print. \*

**Published Conference**

**Proceedings:** Wang, Wenbo and Andres Kwasinski. "Cooperative Learning for Reduced Complexity Cross-Layer Cognitive Radio." *Proceedings of the 22nd IEEE Personal Indoor Mobile Radio Communications (PIMRC'11)*. Ed. unknown. Toronto, Canada: IEEE, 2011. Print. \*

**Published Conference**

**Proceedings:** Fiss, Xander and Andres Kwasinski. "Automatic Real-Time Electric Guitar Audio Transcription." *Proceedings of the 2011 IEEE International Conference on Audio, Speech and Signal Processing (ICASSP)*. Ed. unknown. Prague, Czech Republic: IEEE, 2011. Print. \*

### **Published Conference**

**Proceedings:** Horner, Nathaniel and Andres Kwasinski. "Improving the Performance of DSP Systems for MIMO Processing." *Proceedings of the 2011 IEEE International Conference on Audio, Speech and Signal Processing (ICASSP)*. Ed. unknown. Prague, Czech Republic: IEEE, 2011. Print. \*

### **Published Conference**

**Proceedings:** Kwasinski, Andres. "In-class Demonstrations with a Portable Laboratory for Teaching DSP to Computer Engineering Majors." *Proceedings of the 2011 IEEE International Conference on Audio, Speech and Signal Processing (ICASSP)*. Ed. unknown. Prague, Czech Republic: IEEE, 2011. Print. \*

### **Sonia Lopez Alarcon, Assistant Professor**

**Journal Paper:** Lopez, S., et al. "A Phase Adaptive Cache Hierarchy for SMT Processors." *Microprocessors and Microsystems*, 2011 35. 8 (2011): 683-694. Print. \* Δ

### **Marcin Lukowiak, Assistant Professor**

#### **Published Conference**

**Proceedings:** Webster, David and Marcin Lukowiak. "Versatile FPGA Architecture for Skein Hashing Algorithm." *Proceedings of the 2011 International Conference on ReConfigurable Computing and FPGAs*. Ed. Peter Athanas, Juergen Becker, and Rene Cumpulido. Cancun, Mexico: IEEE Xplore, Computer Society CPS, 2011. Web. ~

### **Published Conference**

**Proceedings:** Bobrov, Max, et al. "Effects of GPU and CPU Loads on Performance of CUDA Applications." *Proceedings of the 2011 International Conference on Parallel and Distributed Processing Techniques and Applications, PDPTA'11*. Ed. Hamid R. Arabnia. Las Vegas, NV: CSREA Press, 2011. Print. ~

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

Lukowiak, Marcin. "Multi-Disciplinary Applied Cryptography." *2011 CCLI/TUES Principal Investigators (PIs) Conference*. The American Association for the Advancement of Science (AAAS) Education and Human Resources Programs (EHR) and the National Science Foundation (NSF) Division of Undergraduate Education (DUE). Washington, D.C., Washington, D.C. 26-28 Jan. 2011. Conference Presentation. £

### **Roy Melton, Senior Lecturer**

#### **Published Conference**

**Proceedings:** Bobrov, Max, et al. "Effects of GPU and CPU Loads on Performance of CUDA Applications." *Proceedings of the 2011 International Conference on Parallel and Distributed Processing Techniques and Applications (PDPTA'11), July 18-21, 2011, Las Vegas, NV*. Ed. Hamid R. Arabnia. USA: CSREA Press, 2011. Print. ~

## Andreas Savakis, Professor

### Published Conference

**Proceedings:** Bellmore, Colin, Raymond Ptucha, and Andreas Savakis. "Interactive Display Using Depth and RGB Sensors for Face and Gesture Control." *Proceedings of the IEEE Western New York Image Processing Workshop*. Ed. IEEE Rochester Section. Rochester, NY: IEEE, 2011. Web. \* £

### Published Conference

**Proceedings:** Ptucha, Raymond and Andreas Savakis. "Manifold Based Sparse Representation for Robust Expression Recognition without Neutral Subtraction." *Proceedings of the Int. Conf Computer Vision IEEE International Workshop on Benchmarking Facial Image Analysis Technologies*. Ed. H.K. Ekenel, G. Hua, S. Shan. Barcelona, Spain: IEEE, 2011. Print. \* £

### Published Conference

**Proceedings:** Ptucha, Raymond, Greg Tsagakatakis, and Andreas Savakis. "Manifold Learning for Simultaneous Pose and Facial Expression Recognition." *Proceedings of the 2011 18th IEEE International Conference on Imaging Processing*. Ed. Benoit Macq, Peter Schelkens. Brussels, Belgium: IEEE, 2011. Print. \* £

### Published Conference

**Proceedings:** Keane, Thomas, *et al.* "Unsupervised Automated Panorama Creation for Realistic Surveillance Scenes Through Weighted Mutual Information Registration." *Proceedings of the SPIE Electronic Imaging*. Ed. Jaakko T. Astola and Karen O. Egiazarian. San Fransisco, CA: SPIE, 2011. Print. \* £

## Shanchieh Yang, Associate Professor

### Published Conference

**Proceedings:** Du, Haitao and Shanchieh Jay Yang. "Characterizing Transition Behaviors in Internet Attack Sequences." *Proceedings of the IEEE International Conference on Computer Communication Networks, Maui, HI, August 1-4, 2011*. Ed. George Rouskas and Xiaobo Zhou. Red Hook, NY: IEEE, Print. \*

### Published Conference

**Proceedings:** Tong, Khiem, *et al.* "Optimizing Collection Requirements Through Analysis of Plausible Impact." *Proceedings of the ISIF/IEEE International Conference on Information Fusion, July 5-8, 2011, Chicago IL*. Ed. Lance Kaplan and Neil Gordon. Chicago IL: IEEE, Web. \*

### Published Conference

**Proceedings:** Du, Haitao and Shanchieh Jay Yang. "Discovering Collaborative Cyber Attack Patterns Using Social Network Analysis." *Proceedings of the 2011 International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP11), Mach 29-31, College Park, MD*. Ed. John Salerno, *et al.* USA: Springer LNCS, Print. \*

### Invited Presentations/Keynotes:

Yang, Shanchieh Jay. "Characterizing Attack Behavior for Cyber Situation Awareness." *Invited Seminar*. SUNY Binghamton. SUNY Binghamton, Binghamton, NY. 29 Nov. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Yang, Shanchieh Jay. "Cyber Situation Awareness and Threat Anticipation." *Taiwan*. National Taiwan University. NTU campus, Taipei, Taiwan. 20 Jan. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Yang, Shanchieh Jay. "Characterizing Hacker Behavior for Cyber Situation Awareness." *The 11th Emerging Information and Technology Conference, July 28-29, Chicago IL*. EITC. Chicago, Chicago, IL. 28 Aug. 2011. Conference Presentation. Δ

## Electrical and Microelectrical Engineering

### David Borkholder, Associate Professor

**Journal Paper:** Johnson, Dean D., Robert D. Frisina, and David A Borkholder. "In-Plane Biocompatible Microfluidic Interconnects for Implantable Microsystems." *IEEE Transactions on Biomedical Engineering* 58. 4 (2011): 943-948. Print. \*

**Published Conference**

**Proceedings:** Johnson, D. G., et al. "Hybrid MEMS: Extending Micro Manufacturing with Direct Write Processes." *Proceedings of the TRF Technologies for Future Micro-Nano Manufacturing Workshop, Napa, CA, USA, pp 118-21, August 8-10, 2011*. Ed. Transducers Research Foundation. unknown: n.p., Print. £

### Robert Bowman, Professor

**Journal Paper:** Nassar, Christopher James, Joseph Revelli, and Robert John Bowman. "Application of the Homotopy Analysis Method to Poisson-Boltzmann Equation for Semiconductor Devices." *Communications in Nonlinear Science and Numerical Simulations* 16. 6 (2011): 2501-2512. Print. \*

### Sohail Dianat, Professor

**Published Conference**

**Proceedings:** Vantaram, S. R., et al. "Semi-Automatic 3-D Segmentation of Computed Tomographic Imagery by Iterative Gradient-Driven Volume Growing." *Proceedings of the IEEE International Conference on Image Processing*. Ed. IEEE. USA: IEEE, 2011. Web. \*

### Lynn Fuller, Professor

**Journal Paper:** Fuller, Lynn F. and Ivan Puchades. "A Thermally Actuated Microelectromechanical (MEMS) Device For Measuring Viscosity." *IEEE Journal of Microelectromechanical Systems* 20. 3 (2011): 601-608. Print. \*

**Journal Paper:** Fuller, Lynn, et al. "A New Diagnostic Sensor for Acetone in Urine." *Materials Express* 1. 3 (2011): 219-224. Print. \*

### Michael Jackson, Associate Professor

**Invited Presentations/Keynotes:**

Jackson, Michael A. and Santosh K. Kurinec. "K - 12 to Workforce for Semiconductor Industry." *NEATEC: NorthEast Advanced Technology Education Center*. NEATEC. Hudson Valley Community College, Troy, NY. 29 Nov. 2011. Conference Presentation. Δ



### Santosh Kurinec, Professor

**Journal Paper:** Panferov, Alexander and Santosh Kurinec. "Modeling Quantum Efficiency of Ultraviolet 6H-SiC Photodiodes." *IEEE Trans. Electron Devices* 58. 11 (2011): 3976-3982. Print. £

**Journal Paper:** Devasia, Archana and Santosh Kurinec. "Teaching Solar Cell I-V Characteristics through SPICE Modeling." *American Journal of Physics* 79. 12 (2011): 1232-1239. Print. £

#### Published Conference

**Proceedings:** Kurinec, S., et al. "Stacked Chalcogenide Layers for Phase Change Memory." *Proceedings of the European Phase Change and Ovonic Symposium 2011, September 4-6, 2011*. Ed. Junji Tominaga and Simone Raoux. Zurich, Switzerland: n.p., Print. Δ £

#### Published Conference

**Proceedings:** Raoux, S., et al. "Influence of Dopants on the Crystallization Temperature, Crystal Structure, Resistance, and Threshold Field for GeTe and Ge<sub>2</sub>Sb<sub>2</sub>Te<sub>5</sub> Phase Change Materials." *Proceedings of the European Phase Change and Ovonic Symposium, September 2011*. Ed. Junji Tominaga and Simone Raoux. Zurich, Switzerland: n.p., Print. Δ £

#### Invited Presentations/Keynotes:

Kurinec, Santosh K. "Silicon Watts: Myths and Promise of Photovoltaics." *Laboratory for Laser Energetics (LLE) Science and Technology (S&T) Seminar Series*. University of Rochester. Laboratory for Laser Energetics, University of Rochester, Rochester, NY. 25 Feb. 2011. Guest Lecture. Δ

#### Invited Presentations/Keynotes:

Kurinec, Santosh K. "Three Decades of Microelectronic Engineering Education at Rochester Institute of Technology." *The NEATEC Annual Conference*. NEATEC: Northeast Advanced Technological Education Center. Hudson Valley Community College, Troy, NY. 29 Nov. 2011. Guest Lecture. Δ

#### Invited Presentations/Keynotes:

Kurinec, Santosh K. "Microelectronics: Silicon Valley to Silicon Watts." *IEEE EDS Joint Chapter Meeting*. IEEE EDS Rochester Chapter. RIT Inn & Conference Center, Rochester, NY. 29 Mar. 2011. Keynote Speech. Δ

#### Invited Presentations/Keynotes:

Kurinec, Santosh K. "Electrical & Electronic Engineers: Paving the Way to a Smarter Planet." *IEEE Student Design Contest 2011*. IEEE SDC. RIT, Rochester, NY. 7 May 2011. Keynote Speech. Δ

#### Invited Presentations/Keynotes:

Kurinec, Santosh K. "Nanoscale Materials Engineering for Phase Change Memory." *CMOS Emerging Technologies 2011*. University of British Columbia. Whistler, British Columbia, Whistler, British Columbia, Canada. 15 Jun. 2011. Conference Presentation. £

### E Lyshevski, Professor

**Journal Paper:** Yanushkevich, S. N., et al. "Belief Trees and Networks for Biometric Applications." *Journal of Soft Computing* 15. 1 (2011): 3-11. Print. £

**Published Conference**

**Proceedings:** Smith, T. C. and S. E. Lyshevski. "Clean High-energy Density Renewable Power Generation Systems with Soft-switching Sliding Mode Control Laws." *Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference (CDC-ECC)*. Ed. IEEE. Orlando, FL: IEEE, NY, 2011. Print. £ †

**Published Conference**

**Proceedings:** Lyshevski, A. P. S. Chauhan and S. E. "Design of Tracking Control Laws Using Nonlinear Aircraft Models." *Proceedings of the International Conference Electrical Engineering, Computing Science and Automatic Control*. Ed. IEEE. Mexico: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. and T. C. Smith. "Tracking Control of Direct-drive Servos." *Proceedings of the 50th IEEE Conference on Decision and Control and European Control Conference*. Ed. IEEE. Orlando, FL: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Smith, T. C. and S. E. Lyshevski. "Soft-switching Sliding Mode Control of Power Generation Systems." *Proceedings of the International Conference on Electrical Engineering, Computing Science and Automatic Control*. Ed. IEEE. Mexico: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E., *et al.* "Nano and Microelectromechanical Systems Courses." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. and G. R. Tsouri. "Molecular and Biomolecular Communication: Waveguides and Possible Role of Microtubules." *Proceedings of the IEEE Conference on Nanotechnology*. Ed. unknown. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Molecular Sensing and Processing on Photons." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Quantum Processing: Feasibility Studies and Solutions." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Multi-state Digital and Quantum Signal Processing and Emerging Nanoelectronic Processing Hardware: Complexity, Performance and Capabilities." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. Portland, OR: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Graphene: Quantum-mechanical Outlook." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Quantum-mechanical Analysis of Single Molecule Quantum Electronic Devices." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E and K. S. Martirosyan. "Ferrite Nanoparticles for MEMS Technology Sensors and Actuators." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. Portland, OR: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Tran, A. H., et al. "Design of Neuromorphic Logic Networks and Fault-tolerant Computing." *Proceedings of the IEEE Conference Nanotechnology*. Ed. IEEE. IEEE: IEEE, 2011. Print. £

**Published Conference**

**Proceedings:** Tran, A. H., et al. "Fault tolerant Computing Paradigm for Random Molecular Phenomena: Hopfield Gates and Logic Networks." *Proceedings of the 41st IEEE International Symposium on Multiple-Valued Logic*. Ed. IEEE. Tuusula, Finland: Conference Publishing Services, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Analysis of Grapheme, Molecular Wires and Inorganic Materials for Nano-electronic and Low Power Integrated Circuits." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "High-fidelity Modeling of Single-molecule Quantum Electronic Devices." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Biomolecular, Organic and Inorganic Processing Fabrics: Design and Synthesis of Processing Cells and Primitives." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Photon-induced Niomolecular Sensing and Processing: Towards Engineering, Science and Medical Applications." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Single-molecule Quantum-effect Electronic Devices." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. and A. P. S. Chanhan. "Control of MEMS-technology Axial Topology Microservos." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Martirosyan, S. E. and K. S. Lyshevski. "Weak Magnetic Field Sensing Using Soft Ferrite Nanoparticles and MEMS." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Genomic Mapping and Spectral Analysis in the Frequency Domain." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Tran, A. H., *et al.* "Neuromorphic Logic Networks and Robust Stochastic Computing Under Large Perturbations and Uncertainties." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Smith, T. C. and S. E. Lyshevski. "Clean High-energy-density Mini-scale Renewable Power Generation and Energy Harvesting Systems." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Published Conference**

**Proceedings:** Lyshevski, S. E. "Design and Development of Photovoltaic Systems." *Proceedings of the NanoTech Conference & Expo 2011*. Ed. NanoTech. Boston, MA: NanoTech, 2011. Print. £

**Eli Saber, Professor****Published Conference**

**Proceedings:** Erkilinc, M. S., *et al.* "Line and Streak Detection on Polished and Textured Surfaces Using Line Integrals." *Proceedings of the Electronic Imaging*. Ed. SPIE/IS&T. San Francisco, CA: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Keane, T., *et al.* "Unsupervised Automated Panorama Creation for Realistic Surveillance Scenes Through Weighted Mutual Information Registration." *Proceedings of the Electronic Imaging*. Ed. SPIE/IS&T. San Francisco, CA: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Jaber, M. and E. Saber. "Image Understanding Algorithm for Segmentation Evaluation and Region-of-Interest Identification using Bayesian Networks." *Proceedings of the SPIE Defense, Security and Sensing*. Ed. SPIE. Orlando, FL: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Syed, A. H., E. Saber, and D. Messinger. "Scale-space Representation of Remote Sensing Images using an Object-Oriented Approach." *Proceedings of the SPIE Defense, Security, and Sensing*. Ed. SPIE. Orlando, FL: *n.p.*, 2011. Print. \*



### **Published Conference**

**Proceedings:** Vantaram, S. R. and E. Saber. "An Adaptive Bayesian Clustering and Multivariate Region Merging-based Technique for Efficient Segmentation of Color Images." *Proceedings of the IEEE International Conference on Acoustics, Speech and Signal Processing*. Ed. IEEE. Prague, Czech Republic: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Erkilinc, M. S., *et al.* "Page Layout Analysis and Classification in Complex Scanned Documents." *Proceedings of the SPIE Optical Engineering + Applications Conference*. Ed. SPIE. San Diego, CA: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Jaber, M., *et al.* "An Image-set for Identifying Multiple Regions/levels of Interest in Digital Images." *Proceedings of the SPIE Optical Engineering + Applications Conference*. Ed. SPIE. San Diego, CA: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Vantaram, S. R. and E. Saber. "A Method for Improved Localization of Edges in multi/hyperspectral Imagery." *Proceedings of the SPIE Optical Engineering + Applications Conference*. Ed. SPIE. San Diego, CA: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Vantaram, S. R., E. Saber, and D. Messinger. "An Intensity-Gradient-Texture Guided Methodology for Automatic Spatial Segmentation of Remotely Sensed Multi/Hyperspectral imagery." *Proceedings of the IEEE International Conference on Image Processing*. Ed. IEEE. Brussels, Belgium: *n.p.*, 2011. Print. \*

### **Published Conference**

**Proceedings:** Vantaram, S. R., *et al.* "Semi-Automatic 3-D Segmentation of Computed Tomographic Imagery by Iterative Gradient-Driven Volume Growing." *Proceedings of the IEEE International Conference on Image Processing*. Ed. IEEE. Brussels, Belgium: *n.p.*, 2011. Print. \*

### **Ferat Sahin, Associate Professor**

**Journal Paper:** Cinar, Eyup and Ferat Sahin. "New Classification Techniques for Electroencephalogram (EEG) Signals and a Real-Time EEG Control of a Robot." *Neural Computing and Applications* 20. (2011): 1-11. Print. \* £ †

**Journal Paper:** Sahin, Ferat and Ziya Arnavut. "Special Issue on Image Processing." *Computer and Electrical Engineering Journal, Elsevier* 37. 5 (2011): 629-630. Print. £

### **Published Conference**

**Proceedings:** Erkilinc, Mustafa Sezer and Ferat Sahin. "Camera Control with EMG Signals using Principle Component Analysis and Support Vector Machines." *Proceedings of the IEEE International Systems Conference 2011*. Ed. Alain Beaulieu. Montreal, Canada: *n.p.*, 2011. Print. £ †

### **Published Conference**

**Proceedings:** Dragunov, Yuri and Ferat Sahin. "Agent-in-the-Loop Simulation for Testing Swarm Robots using an XML-based System of System Framework in Discrete-Event Simulation Specification." *Proceedings of the IEEE SoSE 2011 System of Systems Engineering*. Ed. Aly El-Osery. Albuquerque: IEEE, 2011. Print. £ †

### **Published Conference**

**Proceedings:** Torres, Ticiano and Ferat Sahin. "A Study of Crossover Operators and Reference Set Sizes for Scatter Search in Unconstrained Function Optimization." *Proceedings of the 2011 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2011)*. Ed. Gary Anderson. Anchorage, AK: IEEE, 2011. Print. £ †

### **Published Conference**

**Proceedings:** Rao, T. M., et al. "Computing Optimal Snowplow Route Plans Using Genetic Algorithms." *Proceedings of the 2011 IEEE International Conference on Systems, Man, and Cybernetics (IEEE SMC 2011)*. Ed. Gary Anderson. Anchorage, AK: IEEE, 2011. Print. £

### **Gill Tsouri, Assistant Professor**

**Journal Paper:** Tsouri, Gill R., Adrian Sapio, and Jeff Wilczewski. "An Investigation into Relaying of Creeping Waves for Reliable Low-Power Body Sensor Networking." *IEEE Transactions on Biomedical Circuits and Systems* 5. 4 (2011): 307-319. Print. «

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

Tsouri, Gill R. "Wireless Physical Layer Security for Body Area Networks." *Lecture*. Department of Electrical and Computer Engineering. Prairie View A&M University, Prairie View, TX. 8 Dec. 2011. Guest Lecture. Δ

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

Tsouri, Gill R. "Preliminary Evaluation of an Efficient Collision Resolving Protocol." *IEEE 28th Convention of Electrical and Electronics Engineering in Israel*. IEEE. Hilton Hotel, Tel-Aviv, Israel. 8 Nov. 2011. Conference Presentation. \*

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

Tsouri, Gill R. "Reliable Symmetric Key Generation for Body Area Networks using Wireless Physical Layer Security in the Presence of an On-Body Eavesdropper." *4th International Symposium on Applied Sciences in Biomedical and Communication Technologies (ISABEL)*. ICST. Almera Hotel, Barcelona, Spain. 27 Oct. 2011. Conference Presentation. \*

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

Ostertag, Michael. "Reconstructing ECG Precordial Leads from a Reduced Lead Set using Independent Component Analysis." *33rd Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)*. IEEE. Marriott Copley Place Hotel, Boston, MA. 28 Aug. 2011. Conference Presentation. \*

### **External Scholarly Fellowships:**

12/1/2010 -  
11/31/2011  
Xerox Corporation  
Amount: \$48,000 ≠

**External Scholarly Fellowships:**

9/1/2010 -

8/31/2011

Blue Highway (A Welch Allyn Company)

Amount: \$163,000 ≠

**Invited Presentations/Keynotes:**

Lyshevski, Sergey and Gill R. Tsouri.

"Molecular and BioMolecular Communication: Optical Waveguides and Possible Role of Microtubules." *NANO 2011 Conference*. IEEE. Portland, OR. 16 Aug. 2011. Conference Presentation. \*

**Jayanti Venkataraman, Professor****Published Conference**

**Proceedings:** Beam, Kelly and Jayanti Venkataraman. "Phantom Models for In-Vitro Measurements of Blood Glucose." *Proceedings of the IEEE Antenna and Prop Society International Sym, Spokane, WA, July 5-18, 2011*. Ed. IEEE. Spokane WA: *n.p.*, 2011. Print. ~

**Published Conference**

**Proceedings:** Venkataraman, Jayanti and Benjamin Freer. "Feasibility of Non-Invasive Blood Glucose Monitoring." *Proceedings of the IEEE Antenna and Prop Society International Sym, Spokane, WA, July 5-18, 2011*. Ed. IEEE. Spokane WA: *n.p.*, 2011. Print. Δ ~

Industrial and Systems Engineering**Andres Carrano, Associate Professor**

**Journal Paper:** Bilbao, Ainoa Mazeika, *et al.* "On The Environmental Impacts of Pallet Management Operations." *Management Research Review* 34. 11 (2011): 1222-1236. Print. Δ £

**Published Conference**

**Proceedings:** Sridharan, Arvind, Andres L. Carrano, and John Bonzo. "High Pressure Coolant Effect on PVD Coated Inserts During End Milling of Ti-6Al-4V." *Proceedings of the Industrial Engineering Research Conference, IERC 2011*. Ed. Institute of Industrial Engineering (IIE). Atlanta, GA: *n.p.*, 2011. Print. \*

**Published Conference**

**Proceedings:** Thorn, Brian K., Sarah Brownell, and Andres L. Carrano. "Engineering for the Developing World: A New Service Learning Course Supporting The Master Programs in Sustainable Engineering at RIT." *Proceedings of the 4th International Conference on Education Research and Innovation, ICERI 2011*. Ed. International Association for Technology, Education and Development (IATED). Madrid, Spain: *n.p.*, 2011. Print. \*

**Invited Presentations/Keynotes:**

Carrano, Andres L. "Experiential Education: The Toyota Production Systems Laboratory." *Material Handling Teachers Institute (MHTI 2011)*. Auburn University. Auburn University, Auburn, AL. 4 Aug. 2011. Keynote Speech.

**Denis Cormier, Professor****Published Conference**

**Proceedings:** Yang, Li, *et al.* "Design and Characterization of Orthotropic Re-entrant Auxetic Structures Made Via EBM Using Ti6Al4V and Pure Copper." *Proceedings of the 2011 Solid Freeform Fabrication Symposium*. Ed. Dave Bourell. unknown: *n.p.*, 2011. Print. ~

### **Published Conference**

**Proceedings:** Yang, Li, *et al.* "Characterization of Ti6Al4V 3D Auxetic Structures Fabricated via the Electron Beam Melting Process." *Proceedings of the 2011 Materials Science & Technology Conference*. Ed. MS&T. Unknown: *n.p.*, 2011. Print. £

### **Published Conference**

**Proceedings:** Khatri-Chhetri, Prasanna, *et al.* "Printed Fuel Cell Electrodes With Engineered Porosity." *Proceedings of the 2011 Digital Fabrication Conference*. Ed. NIP. Minneapolis, MN: *n.p.*, 2011. Print. £

### **Marcos Esterman, Associate Professor**

#### **Published Conference**

**Proceedings:** Gambeta, Eni, Marcos Esterman, and Sandra Rothenberg. "Exploring Existing Measures of the Environmental Impacts of Print: A Survey of Existing Practices." *Proceedings of the NIP 27: International Conference on Digital Printing Technologies. October 2-6 2011. Minneapolis, MN USA*. Ed. Society for Imaging Science and Technology. Springfield, VA: *n.p.*, Print. ~

#### **Published Conference**

**Proceedings:** Brown, Travis, *et al.* "Challenges for Managing Component Obsolescence in Low Volume Products Through The Product Development Lifecycle." *Proceedings of the ASME 2011: ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences, August 29-31, 2011, Washington, DC*. Ed. ASME. New York: *n.p.*, Print. ~

### **Published Conference**

**Proceedings:** Jorgensen, Jens, *et al.* "Identifying Enablers and Barriers to Successful Platform-Based Product Development: A Case Study From Business-To-Business Products." *Proceedings of the ASME 2011 International Design Engineering Technical Conferences and Computers and Information in Engineering Conferences, August 29-31, 2011, Washington, DC*. Ed. ASME. New York: *n.p.*, Print. ~

### **Scott Grasman, Professor**

**Journal Paper:** Juan, A. A., *et al.* "Using Safety Stock and Simulation to Solve the VRP with Stochastic Demands." *Transportation Research Part C* 19. 5 (2011): 751-765. Print. £

**Journal Paper:** Thomas, M., *et al.* "Design Layout of a Hydrogen Research and Development Garage." *International Journal of Hydrogen Energy* 36. 13 (2011): 8017-8022. Print. £

**Journal Paper:** Cottrell, C., *et al.* "Best Practices for Stationary and Portable Fuel Cell Markets." *International Journal of Hydrogen Energy* 36. 13 (2011): 7969-7975. Print. £

**Published Review:** Grasman, Scott E. "Simulation Methods for Reliability and Availability of Complex Systems." Rev. of Simulation Methods for Reliability and Availability of Complex Systems, eds. J Faulin, *et al.* *Interfaces* Jan. 2011: 94-95. Print. Δ



**Book Chapter:** Grasman, Scott E., *et al.* "Development and Implementation of an Enterprise Learning Architecture for Collaborative Learning." *Technology-Enhanced Systems and Tools for Collaborative Learning Scaffolding*. Ed. T Daradoumis, *et al.* Berlin Heidelberg: Springer-Verlag, 2011. 47-67. Print. £

**Published Conference**

**Proceedings:** Anderson, K. and Scott E. Grasman. "A Specific Pathway to Help Decrease Time to Market for a Medical Device." *Proceedings of the American Society for Engineering Management National Conference, October 2011*. Ed. D. A. Wyrick. Lubbock, TX: ASEM, Print. £

**Published Conference**

**Proceedings:** Faulin, J., *et al.* "Solving the Capacitated Vehicle Routing Problem with Environmental Criteria Based on Real Estimations in Road Transportation: A Case Study." *Proceedings of the EURO Working Group, September 2011*. Ed. Procedia Social and Behavioral Sciences 20. Poznan, Poland: Elsevier, Print. £

**Published Conference**

**Proceedings:** Jarugumilli, S. and Scott E. Grasman. "Integrated Workforce Planning Considering Regular and Overtime Workers." *Proceedings of the Industrial Engineering Research Conference, June 2011*. Ed. T. Doolen and E. Van Aken. Reno, NV: IIE, Print. £

**Published Conference**

**Proceedings:** Grasman, Scott E, A Gosavi, and S Schmidt. "Sustainability Metrics for Use of PEM Forklifts." *Proceedings of the Industrial Engineering Research Conference, June 2011*. Ed. T Doolen and E Van Aken. Reno, NV: IIE, Print. Δ £

**Published Conference**

**Proceedings:** Long, S, *et al.* "Managing Change Resistance in the Development of Sustainability-Focused Engineering Management Curriculum." *Proceedings of the Industrial Engineering Research Conference, June 2011*. Ed. T Doolen and E Van Aken. Reno, NV: IIE, Print. Δ £

**Published Conference**

**Proceedings:** Anderson, K and Scott E Grasman. "Lean Product Development to Speed Time to Market - Medical Device." *Proceedings of the Industrial Engineering Research Conference, June 2011*. Ed. T Doolen and E Van Aken. Reno, NV: IIE, Print. £

**Published Conference**

**Proceedings:** Jarugumilli, S, S Na Ayudha, and Scott E Grasman. "Decomposition of Stochastic IRP using Integer Programming." *Proceedings of the Industrial Engineering Research Conference, June 2011*. Ed. T Doolen and E Van Aken. Reno, NV: IIE, Print. £

**Invited Presentations/Keynotes:**

Grasman, Scott E. "A Hierarchy of Integrated Workforce Planning Models." *CYTED-HAROSA*. IN3. Universitat Oberta de Catalunya, Barcelona, Spain. 18 Jul. 2011. Keynote Speech.

**Invited Presentations/Keynotes:**

Grasman, Scott E. "Sustainability in Supply Chain Management and Facility Logistics." *Departamento de Estadística e Investigación Operativa*. Universidad Pública de Navarra. Los Magnolios, Pamplona, Spain. 13 Jun. 2011. Lecture.

**Michael Kuhl, Professor****Published Conference**

**Proceedings:** Zhou, Xi and Michael E. Kuhl. "A Sustainability Toolkit for Simulation: Recent Developments and Future Capabilities." *Proceedings of the 2011 Winter Simulation Conference, December 11-14, 2011, Phoenix, AZ*. Ed. S. Jain, R. R. Creasey, J. Himmelspach, K. P. White, and M. Fu. Piscataway, New Jersey: Institute of Electrical and Electronics Engineers, 2011. Web. Δ ~

**Book Chapter:** Kuhl, Michael E. "Nonstationary Input Processes." *Encyclopedia of Operations Research and Management Science*. Ed. James J. Cochran. New York: John Wiley and Sons, 2011. 3612-3617. Print. ~

**Matthew Marshall, Associate Professor****Invited Presentations/Keynotes:**

Marshall, Matthew M. "Anthropometric Assessment of The Da Vinci Surgical Robot." *Human Factors and Ergonomics Society*. Western New York Chapter of HFES. Rochester Institute of Technology, Rochester, NY. 30 Mar. 2011. Lecture.

**Ruben Proano, Assistant Professor**

**Journal Paper:** Proano, Ruben A., Sheldon H. Jacobson, and Wembo Zhang. "Making Combination Vaccines More Accessible to Low-income Countries: The Antigen Bundle Pricing Problem." *Omega* 40. 1 (2012): 53-64. Print. «

**Journal Paper:** Proano, Ruben A., Sheldon H. Jacobson, and Janet A. Jokela. "Response to Modeling the National Pediatric Vaccine Stockpile: Supply Shortages, Health Impacts and Cost Consequences." *Vaccine* 29. 4 (2011): 615-615. Print. \*

**Published Conference**

**Proceedings:** Dhamodharan, Aswin, Ruben A. Proano, and Kumar Seshavadhani. "A Stochastic Approach to Determine the Optimal Vaccine Vial Size." *Proceedings of the Industrial Engineering Research Conference*. Ed. T. Doolen and E. Van Aken. Reno, NV: *n.p.*, 2011. Web. \*

**Published Conference**

**Proceedings:** Kotagiri, Rohita, Ruben A. Proano, and Michael Kuhl. "Vaccine Vendor Managed Inventory: The Effect of Using Birth Forecast." *Proceedings of the Industrial Engineering Research Conference*. Ed. T. Doolen and E. Van Aken. Reno, NV: *n.p.*, 2011. Web. \*

**Published Conference**

**Proceedings:** Pommier, Mauricio and Ruben A. Proano. "Dynamic Pricing Strategy to Optimally Allocate Vaccines." *Proceedings of the Industrial Engineering Research Conference*. Ed. T. Doolen and E. Van Aken. Reno, NV: *n.p.*, 2011. Web. \*

**Invited Presentations/Keynotes:**

Proano, Ruben A. "Modeling Approaches in Prioritizing Vaccine Development Projects." *Approaches to Prioritizing New Preventive Vaccines*. Institute of Medicine. The National Academies, Washington, DC. 3 May 2011. Address. £

**Invited Presentations/Keynotes:**

Proano, Ruben A. "An OR Based Price Discrimination Approach to Improve Vaccine Access." *Department of Industrial Engineering Seminar Series*. University of Buffalo. Bell Hall, Buffalo, NY. 21 Jan. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Proano, Ruben A. "Determining the Optimal Vaccine Subsidy: An OR Approach." *INFORMS Healthcare*. Institute of Operations Research and Management Science, McGill University. Hilton Montreal Bonaventure, Montreal, Canada. 21 Jun. 2011. Conference Presentation. Δ ~

**Invited Presentations/Keynotes:**

Proano, Ruben A. "Determining the Best Vaccine Vial Size: A Stochastic Approach." *INFORMS Annual Meeting*. Institute of Operations Research and Management Science. Charlotte Convention Center, Charlotte, NC. 15 Nov. 2011. Conference Presentation. Δ

**Brian Thorn, Associate Professor**

**Journal Paper:** Mazeika-Bilbao, Ainoa, *et al.* "On the Environmental Impacts of Pallet Management Operations." *Management Research Review* 34. 11 (2011): 1222-1236. Print. £

**Published Conference**

**Proceedings:** Thorn, Brian K., Sarah Brownell, and Andres Carrano. "Development and Delivery of Engineering for the Developing World" A New Course Supporting the Masters Programs in Sustainable Engineering at RIT." *Proceedings of the ICERI 2011*. Ed. ICERI. International Conference on Education, Research, and Innovation: n.p., 2011. Print. \*

Mechanical Engineering**Margaret Bailey, Professor****Published Conference**

**Proceedings:** Bailey, M., *et al.* "Establishing the Foundation for Future Organizational Reform and Transformation at a Large Private University to Expand the Representation of Women Faculty." *Proceedings of the 2011 ASEE Annual Conference and Exposition*. Ed. unknown. Vancouver, BC: n.p., 2011. Print. « ≠

**Journal Paper:** Raelin, J. A., *et al.* "The Effect of Cooperative Education on Change in Self-efficacy Among Undergraduate Students: Introducing Work Self-efficacy." *Journal of Cooperative Education and Internships* 45. 2 (2011): 110-125. Web. « ≠

**Published Conference**

**Proceedings:** Dell, E., *et al.* "WE-IMPACT- Women in Engineering - Improving Program Assessment Tools for Outreach and Retention Programs." *Proceedings of the 2011 ASEE Annual Conference and Exposition*. Ed. unknown. Vancouver, BC: n.p., 2011. Print. « ≠

**Published Conference**

**Proceedings:** Bailey, M. "Studying the Impact on Mechanical Engineering Students Who Participate in a Unique Series of Projects in Thermodynamics." *Proceedings of the 2011 ASEE Annual Conference and Exposition*. Ed. unknown. Vancouver, BC: n.p., 2011. Print. «

**Published Conference**

**Proceedings:** Reisberg, R., et al. "The Effect of Contextual Support on Self-efficacy in 1st Year Undergraduate Engineering Programs." *Proceedings of the 2011 ASEE Annual Conference and Exposition*. Ed. unknown. Vancouver, BC: n.p., 2011. Print. « ≠

**Stephen Boedo, Associate Professor**

**Journal Paper:** Boedo, S. "Mass Conserving Cavitation Effects in Squeeze-Film Journal Bearings Subjected to Sinusoidal Loads." *STLE Tribology Transactions* 54. (2011): 21-35. Print. \*

**Journal Paper:** Boedo, S. and W. J. Grande. "Structurally Compliant Microbearing Devices and Methods Thereof." *U.S. Patent 8,037,777*. (2011): 1-13. Print. £

**Steven Day, Associate Professor**

**Journal Paper:** Hariharan, P., et al. "Multilaboratory Particle Image Velocimetry Analysis of the FDA Benchmark Nozzle Model to Support Validation of Computational Fluid Dynamics Simulations." *ASME Journal of Biomechanical Engineering* 133. (2011): 1-14. Print. « ≠

**Journal Paper:** Cheng, S., et al. "Optimization of a Hybrid Magnetic Bearing for a Magnetically Levitated Blood Pump via 3-D Finite Element Analysis." *Mechatronics* 21. 7 (2011): 1163-1169. Print. «

**Elizabeth DeBartolo, Associate Professor****Published Conference**

**Proceedings:** Smoger, Lowell, Mario Gomes, and Elizabeth DeBartolo. "Minimum Constraint Design Analysis and Modification of a Biaxial Tensile Test Fixture for Hyperelastic Materials." *Proceedings of the 2011 ASME International Mechanical Engineering Congress & Exposition, Denver, CO, November 2011*. Ed. Aaron Knobloch. New York: ASME, Web. £

**Hany Ghoneim, Professor****Published Conference**

**Proceedings:** Ghoneim, Hany. "Sakif Noor." *Proceedings of the American Society of Composites, 26th Annual Technical Conference*. Ed. Michael Hyer, et al. Lancaster, PA: DEStech Publications, Inc., 2011. Print. ~

**Published Conference**

**Proceedings:** Ghoneim, H. "Pumping Potential of Flexible-Matrix-Composite Shell-of-Revolution Structures." *Proceedings of the American Society for Composites Technical Conference*. Ed. American Society for Composites. Montreal, Canada: n.p., 2011. Print. \*



### Amitabha Ghosh, Professor

#### Published Conference

**Proceedings:** Ghosh, A. "Use of Multiple Choice Questions as an Assessment Tool in Dynamics." *Proceedings of the International Mechanical Engineering Congress & Exposition*. Ed. ASME. Denver, CO: *n.p.*, 2011. Print. £

#### Published Conference

**Proceedings:** Ghosh, A. "Teaching Formulation Skills In An Upper Level Fluid Mechanics Course." *Proceedings of the International Mechanical Engineering Congress & Exposition*. Ed. ASME. Denver, CO: *n.p.*, 2011. Print. £

### Mario Gomes, Assistant Professor

**Journal Paper:** Gomes, Mario and Andy Ruina. "A Walking Model with No Energy Cost." *Physical Review E* 83. 3 (2011): 6-9. Print. \*

#### Published Conference

**Proceedings:** Gomes, Mario. "Aerial Photography Project Using MATLAB Programming for Freshman Introduction to Mechanical Engineering Course." *Proceedings of the 2011 ASEE Annual Conference and Exposition*. Ed. American Society for Engineering Education. Vancouver CA: *n.p.*, 2011. Web. «

#### Published Conference

**Proceedings:** Smoger, Lowell, Mario Gomes, and Elizabeth DeBartolo. "Minimum Constraint Design Analysis and Modification of a Biaxial Tensile Test Fixture for Hyperelastic Materials." *Proceedings of the 2011 ASME International Mechanical Engineering Congress & Exposition*. Ed. ASME. Denver Co: *n.p.*, 2011. Web. ~

### Surendra Gupta, Professor

#### Journal Paper:

Bai, Feiming, *et al.* "Investigation of Phase Transitions in Stacked GeTe/SnTe and Ge<sub>2</sub>Se<sub>3</sub>/SnTe Chalcogenide Films." *Materials Science Forum* 687. (2011): 677-683. Print. £

#### Published Conference

**Proceedings:** Gupta, Surendra K., *et al.* "Helping Transfer Students Succeed in Engineering and Engineering Technology Programs." *Proceedings of the ASEE St. Lawrence Section Annual Conference*. Ed. Jane LeClair. Albany, NY: ASEE St. Lawrence Section, 2011. Web. ~

#### Published Conference

**Proceedings:** Gupta, Surendra K. and Steven Kosciol. "Measuring Angle of Twist in a Torsion Experiment." *Proceedings of the ASEE Annual Conference*. Ed. ASEE. Vancouver, BC: ASEE, 2011. Web. \*

### Satish Kandlikar, Professor

#### Journal Paper:

Cooke, D. and S. G. Kandlikar. "Pool Boiling Heat Transfer and Bubble Dynamics Over Plain and Enhanced Microchannels." *Journal of Heat Transfer* 133. 5 (2011): 052902-1-9. Print. £

#### Journal Paper:

Daino, M. M., *et al.* "Through-Plane Water Transport Visualization in a PEMFC by Visible and Infrared Imaging." *Electrochemical and Solid-State Letters* 14. 6 (2011): B51-B54. Print. £

#### Journal Paper:

Kandlikar, S. G., M.L. Garoalo, and Z. Lu. "Water Management in a PEMFC: Water Transport Mechanism and Material Degradation in Gas Diffusion Layers." *Fuel Cells* 11. 6 (2011): 814-823. Print. £

**Journal Paper:** Kandlikar, S. G. "Selected Papers from the Seventh International Conference on Nanochannels, Microchannels, and Minichannels." *Heat Transfer Engineering* 32. 7-8 (2011): 525-526. Print. £

**Journal Paper:** LaManna, J. M. and S. G. Kandlikar. "Determination of Effective Water Vapor Diffusion Coefficient in Pemfc Gas Diffusion Layers." *International Journal of Hydrogen Energy* 36. 8 (2011): 5021-5029. Print. £

**Journal Paper:** Lu, Z., et al. "Water Management Studies in PEM Fuel Cells, Part IV: Effects of Channel Surface Wettability, Geometry and Orientation on The Two-phase Flow in Parallel Gas Channels." *International Journal of Hydrogen Energy* 36. 16 (2011): 9864-9875. Print. £

**Journal Paper:** Lu, Y. W. and S. G. Kandlikar. "Nanoscale Surface Modification Techniques for Pool Boiling Enhancement: A Critical Review and Future Directions." *Heat Transfer Engineering* 32. 10 (2011): 827-842. Print. £

**Journal Paper:** Mukherjee, A., S. G. Kandlikar, and Z. J. Edel. "Numerical Study of Bubble Growth and Wall Heat Transfer During Flow Boiling in a Microchannel." *International Journal of Heat and Mass Transfer* 54. (2011): 3702-3718. Print. £

**Journal Paper:** Rath, C. D. and S. G. Kandlikar. "Liquid Filling in a Corner with A Fibrous wall An Application To Two-phase Flow in PEM Fuel Cell Gas Channels." *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 384. 1-3 (2011): 653-660. Print. £

**Journal Paper:** Sergi, K. M. and S. G. Kandlikar. "Quantification and Characterization of Water Coverage in PEMFC Gas Channels Using Simultaneous Anode and Cathode Visualization and Image Processing." *International Journal of Hydrogen Energy* 36. 19 (2011): 12381-12392. Print. £

**Journal Paper:** Yao, Z., Y.-W Lu, and S. G. Kandlikar. "Effects of Nanowire Height on Pool Boiling Performance of Water on Silicon Chips." *International Journal of Thermal Sciences* 50. 11 (2011): 2084-2090. Print. £

**Journal Paper:** Lao, Z., Y. W. Lu, and S. G. Kandlikar. "Direct Growth of Copper Nanowires on a Substrate for Boiling Applications." *Micro & Nano Letters* 6. 7 (2011): 563-566. Print. £

#### **Published Conference**

**Proceedings:** Banerjee, R. and S. G. Kandlikar. "Effect of Temperature on In-Plane Permeability of Water Vapor in the Gas Diffusion Layer of PEM Fuel Cells." *Proceedings of the Electrochemical Society Transactions*. Ed. H. Gasteiger et al. unknown: n.p., 2011. Print.

### **Published Conference**

**Proceedings:** Daino, M. M. and S. G. Kandlikar. "Advances in Digital Microstructure Generation of a PEMFC GDL with Localized Binder and PTFE Distributions." *Proceedings of the 4th European Fuel Cell Piero Lunghi Conference & Exhibition*. Ed. EFC11275. Rome, Italy: *n.p.*, 2011. Print.

### **Published Conference**

**Proceedings:** Dharaiya, V. V. and S. G. Kandlikar. "A Numerical Study to Predict the Effects of Structured Roughness Elements on Pressure Drop and Heat Transfer Enhancement in Minichannels and Microchannels." *Proceedings of the ASME 2011 International Mechanical Engineering Congress and Exposition: Energy and Water Scarcity*. Ed. IMECE2011-65262. Denver, CO: *n.p.*, 2011. Print.

### **Published Conference**

**Proceedings:** Garfalo, M. L. and S. G. Kandlikar. "Gas Diffusion Layer Material Degradation Mechanisms and Their Effect on Water Breakthrough Dynamics in Proton Exchange Membrane Fuel Cells." *Proceedings of the 4th European Fuel Cell Piero Lunghi Conference & Exhibition*. Ed. EFC11239. Rome, Italy: *n.p.*, 2011. Print.

### **Published Conference**

**Proceedings:** Gopalan, P. and S. G. Kandlikar. "Investigation of Water Droplet Interaction with the Side Wall of the Gas Channel in the PEM Fuel Cell in the Presence of Gas Flow." *Proceedings of the Electrochemical Society Transactions*. Ed. H. Gasteiger *et al.* Boston, MA: *n.p.*, 2011. Print.

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

Kandlikar, S. G. "Challenges of High Heat Flux Removal with Single-Phase and Flow Boiling Heat Transfer." *International Forum on Frontier Theories of Thermal Science*. International Forum on Frontier Theories of Thermal Science. Tsinghua University, Beijing, China. 18-20 Dec. 2011. Keynote Speech.

### **Published Conference**

**Proceedings:** Kandlikar, S. G., D. Kudithipudi, and C. A. Rubio-Jimenez. "Cooling Mechanisms in 3D ICs: Thermo-Mechanical Perspective." *Proceedings of the 2011 International Green Computing Conference and Workshops*. Ed. IEEE. Orlando, FL: *n.p.*, Print.

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

Kandlikar, S. G. "An Experimental Investigation of Structured Roughness on Heat Transfer During Single Phase Liquid flow at Microscale." *Proceedings of the 3rd Micro and Nano Flows Conference*. Micro and Nano Flows Conference. Makedonia Palace Hotel, Thessaloniki, Greece. 22-24 Aug. 2011. Address.

### **Published Conference**

**Proceedings:** Yang, C. Y., *et al.* "An experimental Investigation on Heat Transfer Characteristics of Air and CO<sub>2</sub> in Microtubes." *Proceedings of the ASME 2011 9th International Conference on Nanochannels, Microchannels, and Minichannels*. Ed. ICNMM2011-58102. Edmonton, AB, Canada: *n.p.*, 2011. Print.

### **Published Conference**

**Proceedings:** See, E. J., et al. "Thermal Management Considerations in the Design of an Experimental Fuel Cell with Material Evaluation." *Proceedings of the 4th European Fuel Cell - Piero Lunghi Conference & Exhibition*. Ed. EFC11237. Rome, Italy: n.p., 2011. Print.

### **Published Conference**

**Proceedings:** Yang, C. Y., et al. "An experimental Investigation on Heat Transfer Characteristics of Air and CO<sub>2</sub> in Microtubes." *Proceedings of the ASME 2011 9th International Conference on Nanochannels, Microchannels, and Minichannels*. Ed. ICNMM2011-58102,. Edmonton, AB, Canada: n.p., 2011. Print.

### **Jason Kolodziej, Assistant Professor**

**Journal Paper:** Kolodziej, J. R. and D.J. Mook. "Model Determination for Nonlinear State-based System Identification." *Nonlinear Dynamics* 63. 4 (2011): 735-753. Print. \*

### **Published Conference**

**Proceedings:** Kolodziej, J. R. "An Intelligent Nonlinear System Identification Method with Robust State Estimation." *Proceedings of the 2011 ASME Dynamic Systems & Control Conference*. Ed. ASME. Arlington, VA: n.p., 2011. Print. \*

### **Published Conference Proceedings**

**Proceedings:** Kagabo, W.B. and J.R. Kolodziej. "Trajectory Determination for Energy Efficient Autonomous Soaring." *Proceedings of the 2011 American Control Conference*. Ed. IEEE. San Francisco, CA: n.p., 2011. Print. \*

### **Kathleen Lamkin-Kennard, Assistant Professor**

#### **Published Conference**

**Proceedings:** Holsen, Luke and Kathleen Lamkin-Kennard. "A Preliminary Analysis of a Computational Flow Model of a Precapillary Arteriole Network in the Choroid, coupled with Oxygen and Nitric Oxide Transport and Reactions." *Proceedings of the ASME Summer Bioengineering Conference, June 2011, Farmington, PA*. Ed. American Society of Mechanical Engineers. New York, NY: n.p., 2011. Print. \*

### **Risa Robinson, Associate Professor**

**Journal Paper:** Berg, E. and R. Robinson. "Stereoscopic Particle Image Velocimetry Analysis of Healthy and Emphysemic Alveolar Sac." *Journal of Biomechanical Engineering* 133. 6 (2011): 1-10. Print. £

#### **Published Conference**

**Proceedings:** Robinson., Berg, E. and R. "Healthy And Emphysemic Alveolar Sac Flow Comparison by Particle Image Velocimetry." *Proceedings of the 30th Annual American Association for Aerosol Research Conference*,. Ed. Nazorod. Orlando, FL: n.p., 2011. Print. £

**Journal Paper:** Norton, M. M. and Robinson, R. J. and Weinstein, S. J. "Model of Ciliary Clearance and the Role of Mucus Rheology." *Physical Review E* 83. (2011): 1-10. Print. £



**Published Conference**

**Proceedings:** Berg, E. and R. Robinson. "Healthy And Emphysemic Alveolar Sac Flow Comparison by Particle Image Velocimetry." *Proceedings of the 30th Annual American Association for Aerosol Research Conference*. Ed. Taylor & Francis, Inc. Orlando, FL: *n.p.*, 2011. Print. £

**Published Conference**

**Proceedings:** Varble, N., *et al.* "Arteriovenous Fistula Anastomosis to Study the Effects of Vessel Size and Pressure Gradient on the Presence of a Thrill." *Proceedings of the 2011 American Heart Association Conference*. Ed. Taylor & Francis, Inc. Orlando, FL: *n.p.*, 2011. Print. £

**Michael Schrlau, Assistant Professor**

**Journal Paper:** Orynbayeva, Z., *et al.* "Physiological Validation of Cell Health Upon Probing with Carbon Nanotube Endoscope and its Benefit for Cell Interrogation." *Nanomedicine*. (2011): 1-10. Print. £

**Journal Paper:** Nui, J. J., *et al.* "Carbon Nanotube-tipped Endoscope for in Situ Intracellular Surface-enhanced Raman Spectroscopy." *Small* 7. (2011): 540-545. Print. £

**Journal Paper:** Singhal, R., *et al.* "Multifunctional Nanotube-based Cellular Endoscopes." *Nature Nanotechnology* 6. (2011): 57-64. Print. £

**Book Chapter:** Schrlau, M. G. "Carbon Nanotube-based Sensors." *Comprehensive Biomaterials*, Elsevier. In Review: In Review, 2011. 1-10. Print. Δ

**Book Chapter:** Schrlau, M. G. and H. H. Bau. "Probing Cells with Nanotechnology." *Microfluidics and Nanofluidics Handbook: Fabrication, Implementation and Applications*, Florence, KY: Taylor and Francis, LLC, 2011. 1-10. Print. Δ

**Benjamin Varela, Associate Professor**

**Published Review:** Varela, Benjamin and Jeffrey W. Rogers. Rev. of Mechanical Response of Discontinuous Filament PVA Fiber Reinforced Geopolymers, ed. sujanto widjaja, dileep singh. *35th International Conference on Advanced Ceramics and Composites* 23 Jan. 2011: 29-34. Print. \*

**P Venkataraman, Associate Professor****Published Conference**

**Proceedings:** Venkataraman, P. "DETC2011-47658: Determining the Ordinary Differential Equation from Noisy Data." *Proceedings of the ASME 2011 International Design Engineering Technical Conference and Computers in Engineering Conference, August 28-31, 2011 Washington DC*. Ed. ASME. US: ASME, Print. \*

**Published Conference**

**Proceedings:** Venkataraman, P. "DETC2011-47659 : Leveraging Symbolic Programming in Engineering Courses - An Example." *Proceedings of the ASME 2011 International Design Engineering Technical Conference and Computers in Engineering Conference, August 28-31, 2011 Washington DC*. Ed. ASME. US: *n.p.*, Print. \*

**Journal Paper:** Venkataraman, P. "Solution of Inverse ODE using Bezier Functions." *Inverse Problems in Science and Engineering* 10. 4 (2011): 529-549. Print. \*

### Wayne Walter, Professor

#### Published Conference

**Proceedings:** Walter, Wayne W. and William E. Spath. "Experience Teaching a Multidisciplinary Project-Based Robotics Course Building Autonomous Mobile Robots." *Proceedings of the 2011 Annual ASEE Conference & Exposition*. Ed. ASEE. Vancouver, British Columbia: ASEE, 2011. Print. «

#### Invited Presentations/Keynotes:

Walter, Wayne W., et al. "Is it Possible to Build an Artificial Bicep Muscle?" *RIT/RGHS Research Seminar Series*. RGHS. RGHS, Rochester, NY. 9 Sep. 2011. Address. Δ

## Microsystems Engineering

### Zhaolin Lu, Assistant Professor

**Journal Paper:** Zhao, Wangshi, Xiaoyue Huang, and Zhaolin Lu. "Super Talbot Effect in Indefinite Metamaterial." *Optics Express* 19. (2011): 15297-15303. Web. \* ≠

**Journal Paper:** Zhao, Wangshi and Zhaolin Lu. "Nanoplasmonic Optical Switch Based on Ga-Si<sub>3</sub>N<sub>4</sub>-Ga Waveguide." *Optical Engineering* 50. (2011): 074002(1-6). Print. \* ≠

**Journal Paper:** Yang, Ruoxi and Zhaolin Lu. "Silicon-on-Insulator Platform for Integration of 3D Nanoplasmonic Devices." *IEEE Photon. Tech. Lett.* 23. (2011): 1652-1654. Print. \* ≠

**Journal Editor:** Lu, Zhaolin, ed. *International Journal of Optics*. Cairo: Hindawi, 2011. Web. \*

**Journal Paper:** Zhao, Wangshi and Zhaolin Lu. "Modulating Light on the Nanometer Scale Using Polyvalent Metal." *SPIE Newsroom*. (2011): x83191(1-2). Web. Δ

#### Published Conference

**Proceedings:** Zhao, Wangshi, Xiaoyue Huang, and Zhaolin Lu. "Super Talbot Effect in Anisotropic Metamaterial." *Proceedings of the SPIE NanoScience+Engineering*. Ed. Allan D. Boardman, Nader Engheta, and Nikolay I. Zheludev. San Diego, CA: n.p., 2011. Print. \*

#### Published Conference

**Proceedings:** Yang, Ruoxi, et al. "Semiconductor-coated Deep Sub-wavelength Spoof Surface Plasmonic Waveguide for THz and MIR Applications." *Proceedings of the SPIE Photonics West*. Ed. Laurence P. Sadwick and Creidhe M. M. O'Sullivan. San Francisco, CA: n.p., 2011. Print. \*

#### Published Conference

**Proceedings:** Zhao, Wangshi, et al. "Experimental Demonstration of Linear Deep Subwavelength Spoof Surface Plasmonic Waveguides." *Proceedings of the SPIE Photonics West*. Ed. Ali Adibi, Shawn-Yu Lin, and Axel Scherer. San Francisco, CA: n.p., 2011. Print. \*

NATIONAL TECHNICAL  
**INSTITUTE**  
FOR THE DEAF

Business Studies

**Kathleen Szczepanek, Instructor**

**Journal Paper:** Szczepanek, Kathleen M. "Business Ethics: How to Develop Ethical Awareness and Introspection in Deaf and Hard-of-Hearing Students." *Teaching Ethics - The Journal of the Society for Ethics Across the Curriculum*. (2011): N/A. Print. \*

**Invited Presentations/Keynotes:**

Szczepanek, Kathleen M. "Business Ethics: How to Develop Ethical Awareness and Introspection in Deaf and Hard-of-Hearing Students." *2011 CAID National Conference*. Convention of American Instructors of the Deaf. Dallas/Fort Worth Marriott Hotel & Golf Club at Champions Circle, Fort Worth, TX. 21 Jun. 2011. Conference Presentation. Δ

**Shows/Exhibits/Installations:**

Clark, C. *College Experiences: Education, Technology & Friendship*. By Catherine C. Clark, Kathleen M. Szczepanek, and Erika Israel. Jul. 2011. Northeast Cochlear Implant Convention, Sturbridge, MA. Exhibit. ~

Cultural & Creative Studies

**Joseph Bochner, Professor**

**Journal Paper:** Bochner, Joseph, et al. "When Is a Difference Really Different? Learners' Discrimination of Linguistic Contrasts in American Sign Language." *Language Learning* 61. 4 (2011): 1302-1327. Print. \*

**Invited Presentations/Keynotes:**

Bochner, Joseph and J. Matt Searls. "Learners' Discrimination of Linguistic Contrasts in ASL." *NTID Brown Bag Seminar*. NTID Research Department. NTID/RIT, Rochester, NY. 28 Mar. 2011. Lecture. Δ

**Luane Haggerty, Senior Lecturer**

**Shows/Exhibits/Installations:**

Haggerty, Luane Davis. *The Legend Of Sleepy Hollow*. By Aaron Weir Kelstone. 27-30 Oct. 2011. NTID Panara Theater, Rochester. Performance.

(continued on page 146)

**Key for use with all citations**

\* Blind Peer Reviewed  
« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

† RIT Student  
‡ External Funding

see the benefit coming back to you in terms of markets because of the Asian region. You have locations but are not saturated in those regions as well as the United States. Thank you very much I am looking forward to this collaboration.

Gerry Buckley: I would also like to reiterate Jim and his thank you with your commitment in this project. I am blown away with the technology. I had to have Sam explain it with me. He has a wonderful Facebook page. I was stalking him this summer when he was explaining all the exciting projects he was working on. This is a hierarchy here, the students here are #1 with us. Our job is to m





# Cutting-edge chemical research

**TODD PAGANO** IS AN ASSOCIATE PROFESSOR IN THE DEPARTMENT OF SCIENCE & MATHEMATICS AND DIRECTOR OF THE LABORATORY SCIENCE TECHNOLOGY PROGRAM. HE CONDUCTS RESEARCH IN PHYSICAL, ANALYTICAL, AND ENVIRONMENTAL CHEMISTRY- INVOLVING SIGNIFICANT NUMBERS OF EARLY UNDERGRADUATE AND DEAF/HARD-OF-HEARING STUDENTS IN HIS RESEARCH INITIATIVES.



Dr. Pagano's research group investigates, at a molecular level, the potential effect of climate change on natural water using multidimensional fluorescence spectroscopy and advanced chemometric methods. He has additional ongoing research projects related to energy transfer in fluorescence spectroscopy, developing spectroscopic instrumentation, characterization of nutrients in wild fruits & natural products, and carcinogen deposition in lungs from cigarette smoking. He is also involved in

pedagogical projects that pertain to enhancing the student experience in the science classroom, improving student learning in science, and encouraging students into scientific careers.

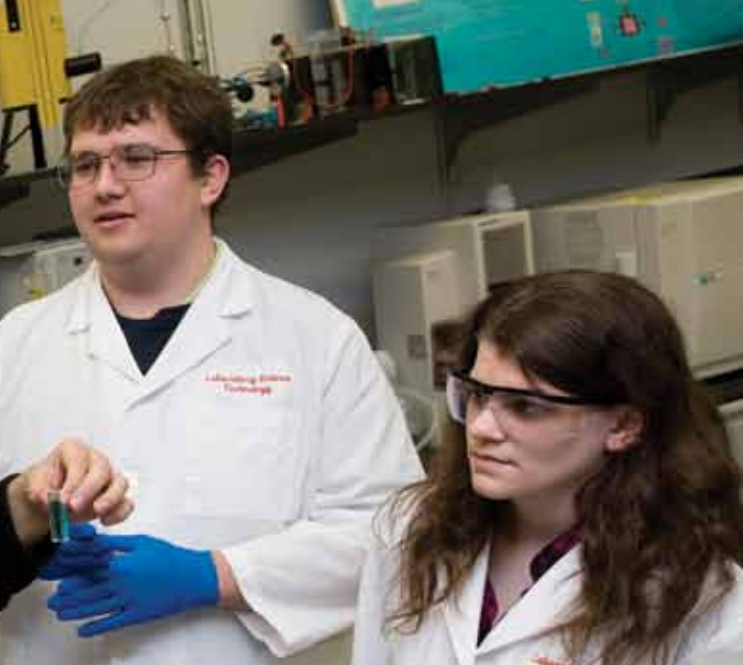
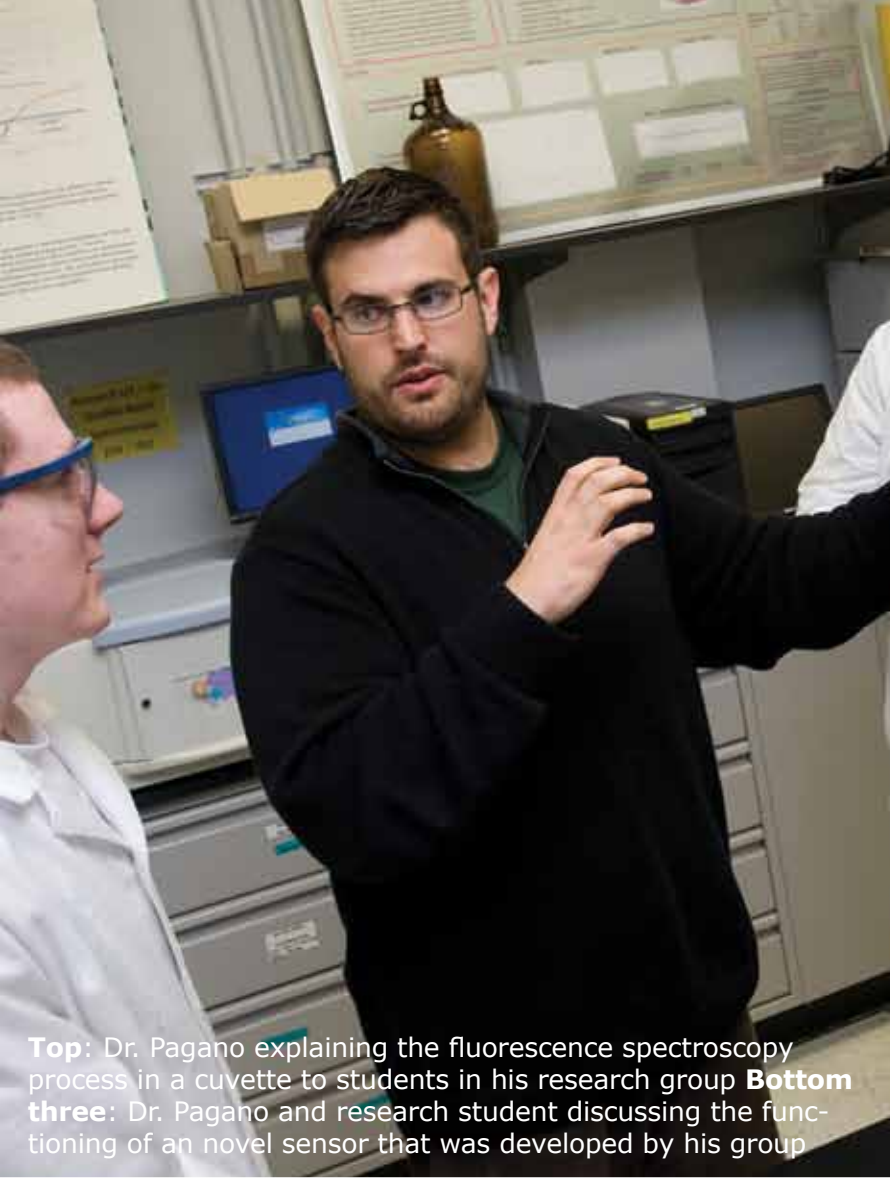
For mentoring large numbers of students at the associate degree level and deaf and hard-of-hearing students, Dr. Pagano is recognized as a leader in involving underrepresented students in research and has published book chapters on strategies for broadening participation in scientific research. He is a strong proponent of students being involved in the dissemination of experimental results, and has obtained external funding for numerous students to present at national symposia.

His balanced research and teaching initiatives led him to being named a Fellow of the American Chemical Society and recipient

of the American Chemical Society's National Award for Encouraging Disadvantaged Students into Careers in the Chemical Science (sponsored by the Camille & Henry Dreyfus Foundation), both in 2011. Also demonstrating his dual emphasis on chemical research and pedagogy, he published two peer-reviewed articles in 2011; one on the analysis of the phenolic content of dissolved organic carbon in environmental samples and another on teaching science to deaf and hard-of-hearing post-secondary degree level students. This year he has also given several invited presentations on these scholarship endeavors.

Dr. Pagano was awarded the 2011 NTID Faculty Scholarship Award, is a reviewer for several journals, and is co-editor of the Journal of Science Education for Students with Disabilities.





**Top:** Dr. Pagano explaining the fluorescence spectroscopy process in a cuvette to students in his research group **Bottom three:** Dr. Pagano and research student discussing the functioning of a novel sensor that was developed by his group



Department of American Sign Language and Interpreting Services (ASLIE)

**Peter Hauser, Associate Professor**

**Journal Paper:** Bochner, J. H., et al. "Learners Discrimination of Linguistic Contracts in American Sign Language." *Language Learning* 61. (2011): 1302-1327. Print. «

**Journal Paper:** Hauser, P. C. "Deaf Eyes: Visual Learning and Deaf Gain." *Deaf Studies Digital Journal* 2. (2011): N/A. Web. Δ

**Journal Paper:** Freel, B. L., et al. "Deaf Individuals Bilingual Abilities: American Sign Language Proficiency, Reading Skills, and Family Characteristics." *Psychology* 2. (2011): 18-23. Print. \*

**Full Length Book:** Marschark, M. and P. C. Hauser. *How Deaf Children Learn: What Parents and Teachers Need to Know*. 1st ed. New York: Oxford University Press, 2011. Print. \*

**Book Chapter:** Listman, J. D., K. D. Rogers, and P. C. Hauser. "Rethinking Deaf Adolescents Resilience: Why Cultural Capital Matters." *Risk and Resilience: Adaptation in the Context of Being Deaf*. Ed. D. Zand and K. Pierce. New York: Springer, 2011. 279-298. Print. \*

**Barbara Holcomb, Associate Professor**

**Invited Presentations/Keynotes:** Holcomb, Barbara Ray. "Living and Learning Together: We Are RIT!" *Week of Welcome*. RIT Student Orientation Program. RIT- Field House, Rochester, NY. 3 Sep. 2011. Guest Lecture. Δ

**Shows/Exhibits/Installations:** Holcomb, Barbara Ray. *Living and Learning Together: We Are RIT!* (DVD). By Marguerite Carrillo and Linda Bryant. 3 Sep. 2011. RIT- Field House, Rochester, NY. Performance.

**Samuel Holcomb, Senior Lecturer**

**Full Length Book:** Holcomb, Roy K., Samuel K. Holcomb, and Thomas K. Holcomb. *Deaf Culture, Our Way: Anecdotes from the Deaf Community*. 4th ed. California: Dawn Sign Press, 2011. Print.

**Kim Brown Kurz, Assistant Professor**

**Invited Presentations/Keynotes:** Applying ASL National Standards to ASL Pedagogy. North Carolina American Sign Language Teachers Conference, Ashland, NC.

**Invited Presentations/Keynotes:** Applying ASL National Standards to ASL Pedagogy. University of Wisconsin.

**Invited Presentations/Keynotes:** Applying ASL National Standards to ASL Pedagogy to ASLIE Department.

**Journal Paper:** Kurz, K. The American Sign Language Handshape Dictionary. (2010). (2nd Ed.) by Richard A. Tennant and Marianne Gluszak Brown. *Journal of Deaf Studies and Deaf Education*. Oxford, England.

**C Monikowski, Professor**

**External Scholarly Fellowships:**

9/28/2011 -

9/28/2016

Fulbright Specialist Program/  
Council for International  
Exchange of Scholars

Amount: \$15,000 \*

### Cynthia Sanders, Associate Professor

**Invited Presentations/Keynotes:** Sanders, Cynthia, Brenda Schertz, and Patrick McCarthy. "ASL Outcomes." *American Council on the Teaching of Foreign Languages (ACTFL)*. ACTFL. Colorado Convention Center, Denver, CO. 18 Nov. 2011. Conference Presentation.

**Invited Presentations/Keynotes:** Sanders, Cynthia. "Residential Schools: The Concept of Assimilation The Means of Cultural Cultivation and Cultural Eradication." *American Indian Science and Engineering Society Conference*. American Indian Science and Engineering Society. Albuquerque Convention Center, Albuquerque, NM. 12 Nov. 2011. Conference Presentation.

**Invited Presentations/Keynotes:** Sanders, Cynthia, Barbara Ray Holcomb, and Samuel Holcomb. "ASL at Work Kick-Off Presentation." *NTID*. Dawn Sign Press and NTID ASLIE department. NTID, Rochester, NY. 8-9 Apr. 2011. Lecture.

**Invited Presentations/Keynotes:** Sanders, Cynthia and William Newell. "ASL At Work Presentations." *ASLTA Professional Development Conference*. American Sign Language Teachers Association. Marriott Hotel, Seattle, WA. 28 Jun. 2011. Conference Presentation.

### Deirdre Schlehofer, Assistant Professor

**Journal Paper:** Barnett, S., et al. "Community Participatory Research with Deaf Sign Language Users to Identify Health Inequities." *American Journal of Public Health* 101. 12 (2011): 2235-2238. Print. £

**Journal Paper:** McKee, M., et al. "Perceptions of Cardiovascular Health in an Underserved Community of Deaf Adults using American Sign Language." *Disability and Health Journal* 4. 3 (2011): 192-197. Print. £

### Department of Art and Imaging Studies

#### Frank Argento, Associate Professor

**Full Length Book:** Argento, Frank and John Kuchera. *An Alphabet Zoo*. 1st ed. LuLu: Self, 2011. Print.

**Shows/Exhibits/Installations:** Argento, Frank. 2011- *The Shoe Factory Art Co-op's 2011 Valentine Art Exhibition*. 14 Feb. 2011. The Shoe Factory Art Co-op, Rochester. Exhibit. \*

**Shows/Exhibits/Installations:** Argento, Frank. *The Shoe Factory "Earthy Delights"*. 10 Jun. 2011. The Shoe Factory Art Co-op, Rochester. Exhibit. £

**Shows/Exhibits/Installations:** Argento, Frank. *Pet Expo: 7th Annual Western New York*. 1 May 2011. Rochester Armory, Rochester. Exhibit.

#### Paula Grcevic, Professor

**Shows/Exhibits/Installations:** Grcevic, Paula. *Hiking Through the Forest*. 19 Mar. 2011. Firebrick Gallery and Pottery Studio, Rochester, MI. Exhibit. \*



**Shows/Exhibits/Installations:**

Grcevic, Paula. *Poppies*. 1 Apr. 2011. Artisan Works, Rochester, NY. Exhibit. ~

**Shows/Exhibits/Installations:**

Grcevic, Paula. *Beauty of Poppy Pods Never Dies*. 1 Jun. 2011. Rochester Contemporary Art Center, Rochester, NY. Exhibit.

**Kurt Stoskopf, Assistant Professor****Shows/Exhibits/Installations:**

Stoskopf, Kurt. *Deaf Creative Arts Festival*. 23 Sep. 2011. Lexington School for the Deaf, Jackson Heights. Exhibit.

Department of Communication Studies and Services**Catherine Clark, Associate Professor****Invited Presentations/Keynotes:**

Clark, Catherine. "College Experiences: Education, Technology & Friendship." *Northeast Cochlear Implant Convention*. Boston Children's Hospital. Sturbridge Conference Center, Sturbridge, MA. 9 Jul. 2011. Conference Presentation.

**Linda Gottermeier, Associate Professor****Published Conference**

**Proceedings:** Gottermeier, L. "Web-based Video Applications for Teaching Job Interviewing." *Proceedings of the Conference of American Instructors of the Deaf*. Ed. K. Mousely. CAID Conference Proceedings: *n.p.*, 2011. Web. \*

**Lawrence Scott Jr, Associate Professor****Invited Presentations/Keynotes:**

Scott, Lawrence C. "Self-rated Communication Characteristics of Deaf and Hard of Hearing College Students." *New York State Speech-Language and Hearing Association*. NYSSLHA. Saratoga Springs, Saratoga, NY. 9 May 2011. Conference Presentation. £

**Donald Sims, Associate Professor****Invited Presentations/Keynotes:**

Sims, Donald. "National and International Clinical Audiology Experiences: Hearing Aid Fitting." *Oticon Focus on People: Intiga*. Oticon Inc. Los Angeles Raddison, Los Angeles, CA. 12 Sep. 2011. Keynote Speech. ^

**Brenda Whitehead, Professor****Invited Presentations/Keynotes:**

Whitehead, Brenda and John Conklin. "Dealing with Communication Diversity in the Classroom: A Student Perspective." *NTID Spoken Communication Techniques and Strategies Workshop Series*. Department of Communication Studies and Services. NTID/RIT, Rochester, NY. 29 Mar. 2011. Lecture.

Department of Engineering Studies**Wendy Dannels, Lecturer****Invited Presentations/Keynotes:**

Dannels, Wendy A. "Evolving Success in Innovating Technologies to Overcome Accessibility Barriers." *XVI World Congress of the World Federation of the Deaf*. World Federation of the Deaf. International Convention Center, Durban, South Africa. 23 Jul. 2011. Conference Presentation. £

Department of Information and Computing Studies

**Joseph Stanislow, Assistant Professor**

**Published Conference**

**Proceedings:** Behm, J., *et al.* "Step-wise Method for Deaf and Hard of Hearing STEM students in Solving Word Problems." *Proceedings of the 2010 ASEE Annual Conference and Exposition*. Ed. Jaimie Schock. American Society for Engineering Education: *n.p.*, 2011. Print. «

Department of Liberal Studies

**Pamela Conley, Associate Professor**

**Invited Presentations/Keynotes:**

Conley, Pamela R. "Comparative Research on Space in ASL Poetry and BSL Poetry." *American Association of Geographers Annual Meeting*. American Association of Geographers. Washington State Convention Center, Seattle, WA. 14 Apr. 2011. Lecture. Δ

**External Scholarly Fellowships:**

6/30/2009 -  
6/30/2013

Laura Jane Musser Foundation  
Amount: \$25,000 ≠

**Invited Presentations/Keynotes:**

Conley, Pamela R. "Lay Advocacy 101." *ASDC Biennial Conference*. American Society of Deaf Children. Maryland School for the Deaf, Frederick, MD. 25 Jun. 2011. Conference Presentation.

**External Scholarly Fellowships:**

3/30/2011 -  
6/30/2012

NTID Innovative Fund  
Amount: \$31,000

**Jessica Cuculick, Assistant Professor**

**Invited Presentations/Keynotes:**

Cuculick, J.A., *et al.* "Early Data on Breastfeeding Practices of Deaf Mothers." *American Public Health Association Annual Conference*. APHA. Walter E. Washington Convention Center, Washington, D.C. 1 Nov. 2011. Conference Presentation.

**Kathleen Eilers-crandall, Associate Professor**

**Full Length Book:** Eilers-crandall, Kathleen. *English Grammar for KEC Courses*. 3rd Ed. Rochester, NY: NTID, 2011. Print. ^

**Peter Haggerty, Associate Professor**

**Invited Presentations/Keynotes:**

Haggerty, Peter. "The Visual Integrated Concepts in English (V.I.C.E.) Squad." *45th Annual Teachers of English to Speakers of Other Languages (TESOL) Convention*. Teachers of English to Speakers of Other Languages (TESOL). Ernest Morial Convention Center, New Orleans, LA. 17 Mar. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Haggerty, Peter. "The V.I.C.E. Squad (Visual Integrated Concepts in English)." *Bi-ennial National Conference of the Convention of American Instructors of the Deaf (CAID)*. Convention of American Instructors of the Deaf (CAID). Dallas Fort Worth Hotel and Golf Club, Fort Worth, TX. Tuesday Jun. 2011. Conference Presentation.



**Susan Keenan, Associate Professor**

**Invited Presentations/Keynotes:**

Keenan, Susan. "Deaf Students in the College Classroom." *10th Annual Niagara University International Conference on Teaching and Learning*. Niagara University. Niagara University, Niagara, NY. 11 Jan. 2011. Conference Presentation. Δ

**Pamela Kincheloe, Assistant Professor**

**Invited Presentations/Keynotes:**

Kincheloe, Pamela. "The Eye/I of the Silent Worker: Visual Rhetoric in the Nineteenth Century Deaf Periodical." *22nd Annual American Literature Association Conference*. American Literature Association. Westin Copley Place, Boston, MA. 26 May 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Kincheloe, Pamela. "Implanting Rhetoric: The Cyborg Body as Contested Space." *62nd Annual Conference on College Composition and Communication*. Conference for College Composition and Communication. Atlanta Marriot Marquis, Atlanta, GA. 8 Apr. 2011. Conference Presentation.

**Kenneth Lerner, Senior Lecturer**

**Invited Presentations/Keynotes:**

Lerner, Kenny. "Flying Words Project." *Workshops*. Dartmouth College. Dartmouth College, Hanover, NH. 17 May 2011. Guest Lecture.

**Invited Presentations/Keynotes:**

Lerner, Kenny. "Flying Words Project Performance." *La Casita Festival*. Lincoln Center. Lincoln Center, New York, NY. 6 Aug. 2011. Reading.

**Invited Presentations/Keynotes:**

Lerner, Kenny and Peter Cook. "Flying Words Project Performance." *La Casita Festival*. Lincoln Center. Street show, Bronx, NY. 7 Aug. 2011. Reading.

**Invited Presentations/Keynotes:**

Lerner, Kenny and Peter Cook. "Flying Words Project workshops." *30th Anniversary Celebration*. Writers and Books. Writers and Books, Rochester, NY. 24 Sep. 2011. Reading.

**Shows/Exhibits/Installations:**

Lerner, Kenny. *4 Arms: Flying Words Project*. By Kenny Lerner and Peter Cook. *n.d.* Poet Walk, Rochester. Exhibit.

**Shows/Exhibits/Installations:**

Cook, Peter. *Flying Words Project*. By Kenny Lerner and Peter Cook. *n.d.* Film: "Crossing State Lines: An American Renga, NYC. Exhibit.

**Linda Rubel, Professor**

**Journal Paper:** Rubel, Linda and Rose Marie Toscano. "I Am My Language: Representing and Misrepresenting Deaf Writers." *Open Words: Access and English Studies* 5. 1 (2011): 61-72. Print. ~

**Invited Presentations/Keynotes:**

Rubel, Linda. "Enhancing Student Learning Through a Writing in the Disciplines Pilot Project." *Student Success in Writing Conference*. Georgia Southern University. Coastal Georgia Center, Savannah, GA. 4 Feb. 2011. Conference Presentation. «

**Invited Presentations/Keynotes:**

Rubel, Linda. "Self-Disclosure: Re-Mixing' Voice' for Deaf Writers." *College English Association*. Florida College English Association. Hilton, St. Petersburg, FL. 2 Apr. 2011. Conference Presentation. \*

**Kathryn Schmitz, Associate Professor**
**Invited Presentations/Keynotes:**

Schmitz, Kathryn L. "Preparing For Publication in a Peer-Reviewed Journal." *2011 Conference for American Instructors of the Deaf*. Council of American Instructors of the Deaf. Fort Worth, Fort Worth, TX. 22 Jun. 2011. Conference Presentation. £

**Journal Editor:** Schmitz, Kathryn L., ed. *The Volta Review*. Washington, DC: Alexander Graham Bell Association for the Deaf, 2011. Print. «

**Invited Presentations/Keynotes:**

Schmitz, Kathryn L. "Panel Discussion of Journal Editors of the Annals of the American Deaf, Journal of Deaf Studies and Deaf Education, and The Volta Review." *2011 Annual Meeting*. American Educational Research Association. New Orleans, New Orleans, LA. 11 Apr. 2011. Conference Presentation. Δ

**Michael Stein, Lecturer**

**Journal Paper:** Stein, Michael Steven and Emily Teplin. "Rational Discrimination and Shared Compliance." *Valparaiso University Law Review* 45. (2011): 1095-1141. Print. Δ

**Lilla Toke, Assistant Professor**
**Invited Presentations/Keynotes:**

Toke, Lilla. "Political Resistance and the Female in the Communist Comedies of Eastern Europe." *Annual Convention of the Northeast Modern Language Association (NeMLA)*. Northeast Modern Language Association (NeMLA). Rutgers University, New Brunswick, NJ. 7-10 Apr. 2011. Conference Presentation.

**Rose Marie Toscano, Professor**

**Journal Paper:** Toscano, Rose Marie and Linda Rubel. "I Am My Language: Representing and Misrepresenting Deaf Writers." *Open Words: Access and English Studies*. (2011): 61-72. Web. \*

**Invited Presentations/Keynotes:**

Toscano, Rose Marie. "Enhancing Student Learning Through a Writing in the Disciplines Pilot Project." *Student Success in Writing Conference*. Georgia Southern University. Coastal Georgia Center, Savannah, GA. 3 Feb. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Toscano, Rose Marie. "Self-Disclosure: Re-Mixing Voice for Deaf Writers." *College English Association*. College English Association. St. Petersburg, St. Petersburg, Florida. 30 Mar. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Toscano, Rose Marie. "Task Force on Health Care Careers for the Deaf and Hard of Hearing Community: An Update." *ADARA Conference*. ADARA. San Diego, CA, San Diego, CA. 13 Apr. 2011. Address. Δ

### **Marilyn Walker, Assistant Professor**

**Published Review:** Walker, Marilyn. "The Defense of Phillis Wheatley." Rev. of Phillis Wheatley's *Poetics of Liberation: Background and Contexts*, eds. Robert M. Markley, et al. *The Eighteenth Century Theory and Interpretation* Jun. 2011: 235-239. Print. ~

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

Walker, Marilyn. "Portraits of Leadership: The Lives of Robert F. Panara and Robert R. Davila in the Deaf Classroom." *61st Annual New York State English Council*. NYSEC. Albany, New York, NY. 21 Oct. 2011. Conference Presentation. Δ

## Department of Science and Mathematics

### **Austin Gehret, Assistant Professor**

#### **Published Conference**

**Proceedings:** Hinkle, Patricia M., Joshua G. Travers, and Austin U. Gehret. "Recycling of Internalized TRH Receptors Requires Dephosphorylation." *Proceedings of the ENDO 2011*. Ed. E. Chester Ridgway. Boston, MA: The Endocrine Society, 2011. Web. \*

### **Bonnie Jacob, Lecturer**

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

Jacob, Bonnie. "A Discrete Challenge Based on Optical Imaging." *Geneseo Mathematics Colloquium*. Mathematics Department. SUNY Geneseo, Geneseo, NY. 21 Apr. 2011. Lecture. Δ

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

Jacob, Bonnie. "A Discrete Challenge Based on Optical Imaging." *Geneseo Mathematics Colloquium*. Mathematics Department. SUNY Geneseo, Geneseo, NY. 21 Apr. 2011. Lecture. Δ

### **Matthew Lynn, Assistant Professor**

**Journal Paper:** Miecznikowski, John R., et al. "Syntheses, Characterization, Density Functional Theory Calculations, and Activity of Tridentate SNS Zinc Pincer Complexes." *Inorganica Chimica Acta* 376. (2011): 515-524. Print. ~

### **Keith Mousley, Associate Professor**

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

Mousley, Keith. "Challenges of Learning Fractions: Dilemma in Mathematical Teaching." *CAL-ED*. CAL-ED. DoubleTree Hotel, Norwalk, CA. 12 Mar. 2011. Conference Presentation. \* Δ

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

Mousley, Keith and Dr. Christopher Kurz. "Why is teaching fraction so tough?" *Convention American Instructors for the Deaf (CAID)*. CAID. Marriott, Fort Worth, TX. 21 Jun. 2011. Conference Presentation. Δ

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

Mousley, Keith and Christopher Kurz. "Pre-College Deaf Students' Understanding of Fractional Concepts." *Research Department*. Research Department. NTID, Rochester, NY. 17 Jan. 2011. Guest Lecture. Δ

### **Todd Pagano, Associate Professor**

**Journal Paper:** Pagano, Todd, et al. "Multidimensional Fluorescence Studies of the Phenolic Content of Dissolved Organic Carbon in Humic Substances." *Journal of Environmental Monitoring*. (2011): DOI:10.1039/C2EM10501B. Print. « £

**External Scholarly Fellowships:**

6/1/2011 -

6/1/2021

American Chemical Society

Amount: \$0

**Invited Presentations/Keynotes:**

Pagano, Todd. "Measuring the Phenolic Content of Dissolved Organic Matter in Wetlands." *Ecological Society of America Annual Conference*. Ecological Society of America. Austin Convention Center, Austin, TX. 12 Aug. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Pagano, Todd. "Integrating Science Literacy and English Literacy in the K12 Science Classroom: Benefits for Deaf, Hard of Hearing, and Hearing Students." *National Science Teachers Association National Conference*. National Science Teachers Association. San Francisco, San Francisco, CA. 12 Mar. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Mertes, Noel, Annemarie Ross, and Todd Pagano. "Experimental Design of Undergraduate Research Projects from the Perspective of Associate Degree Level Deaf and Hard-of-Hearing Students: Analysis of Dissolved Organic Matter in Natural Waters." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 28 Mar. 2011. Conference Presentation. Δ £

**Invited Presentations/Keynotes:**

Edenzon, Kyle. "Improvements in Qualitative and Quantitative Fluorescence Spectroscopy." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 28 Mar. 2011. Conference Presentation. Δ £

**Invited Presentations/Keynotes:**

Carcamo, Nelsy, Risa Robinson, and Todd Pagano. "Determination of Nicotine and Polyaromatic Hydrocarbons in Mainstream Cigarette Smoke using Gas Chromatography- Mass Spectrometry (GC-MS)." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 28 Mar. 2011. Conference Presentation. Δ £

**Invited Presentations/Keynotes:**

Ross, Annemarie, L.K. Quinsland, and Todd Pagano. "Deaf and Hard-of-Hearing Laboratory Technology Students in the Workplace." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 29 Mar. 2011. Conference Presentation. £

**Annemarie Ross, Instructor****Invited Presentations/Keynotes:**

Mertes, Noel, Annemarie D. Ross, and Todd Pagano. "Experimental Design of Undergraduate Research Projects from the Perspective of Associate Degree Level Deaf and Hard-of-Hearing Students: Analysis of Dissolved Organic Matter in Natural Waters." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 28 Mar. 2011. Conference Presentation. £





**Invited Presentations/Keynotes:**

Ross, Annemarie D. "Deaf and Hard-of-Hearing Laboratory Technology Students in the Workplace." *241st American Chemical Society National Meeting*. American Chemical Society. Anaheim, Anaheim, CA. 29 Mar. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Ross, Annemarie D. "Female Students with Disabilities: Using the "Two Birds with One Stone" Approach to Diversify the Scientific Workforce." *242nd American Chemical Society National Meeting*. American Chemical Society. Denver, Denver, CO. 30 Aug. 2011. Conference Presentation. £

**Journal Paper:** Pagano, Todd, *et al.* "Multidimensional Fluorescence Studies of the Phenolic Content of Dissolved Organic Carbon in Humic Substances." *Journal of Environmental Monitoring*. (2011): DOI:10.1039/C2EM10501B. Print. «

**Miriam Santana Valadez, Lecturer****Invited Presentations/Keynotes:**

Santana, Miriam. "Technology in the Math Classroom." *CAID 2011 National Conference*. CAID. Dallas-Fort Worth Marriott Hotel, Dallas-Fort Worth, TX. 22 Jun. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Santana, Miriam. "Teaching Functions using Technology." *T3 International Conference*. Texas Instruments. San Antonio Convention Center, San Antonio, TX. 26 Feb. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Santana, Miriam. "Clickers in the Classroom Best Practices." *CAID 2011 National Conference*. CAID. Dallas-Fort Worth Marriott Hotel, Dallas-Fort Worth, TX. 21 Jun. 2011. Conference Presentation.

**Sharron Webster, Assistant Professor****Invited Presentations/Keynotes:**

Webster, Sharron. "Clickers: A Tool to Improve Student Engagement and Assessment." *2011 CAID National Conference: Teaching Digital Students: Fostering Thinking, Collaboration, and Creativity*. Convention of American Instructors of the Deaf. Dallas-Ft Worth Marriott Hotel & Golf Club at Champions Circle, Forth Worth, TX. 23 Jun. 2011. Conference Presentation. ~

**Invited Presentations/Keynotes:**

Webster, Sharron and Patricia Wink. "Doing Math On-Line." *2011 CAID National Conference: Teaching Digital Students: Fostering Thinking, Collaboration, and Creativity*. Convention of American Instructors of the Deaf. Dallas-Fort Worth Marriott Hotel & Golf Club at Champions Circle, Forth Worth, TX. 21 Jun. 2011. Conference Presentation. ~

**Patricia Wink, Lecturer****Invited Presentations/Keynotes:**

Wink, Patricia. "Doing Math Online." *2011 CAID National Conference: Teaching Digital Students: Fostering Thinking, Collaboration, and Creativity*. Convention of American Instructors of the Deaf. Dallas/Fort Worth Marriott Hotel & Golf Club at Champions Circle, Fort Worth, TX. 21 Jun. 2011. Conference Presentation. ~

Office of Communication  
Assessment Services (OCAS)

**Geoff Poor, Professor**

**Invited Presentations/Keynotes:**

Poor, Geoffrey S. "Sign Language Proficiency Interview (SLPI) Training Workshop." *Sign Language Proficiency Interview (SLPI) Training Workshop*. National Institute for the Deaf. National Institute for the Deaf, Worcester, South Africa. 12 Jun. 2011. Lecture.

**Invited Presentations/Keynotes:**

Poor, Geoffrey S. "Sign Language Skill Assessment." *NGT Functional Assessment*. Hogeschool Utrecht. Hogeschool Utrecht, Utrecht, Netherlands. 12 Dec. 2011. Lecture.

**Published Review:** Poor, Geoffrey S. "Building a Story." Rev. of Extraordinary from the Ordinary: Personal Experience Narratives in American Sign Language, ed. R. Kelly. *Journal of Deaf Studies and Deaf Education* 16 Mar. 2011: 553. Print. Δ

**Invited Presentations/Keynotes:**

Poor, Geoffrey S. and Molly Estes. "Sign Language Proficiency Interview (SLPI) Training Workshop." *SLPI Training Workshop*. Western Pennsylvania School for the Deaf. Western Pennsylvania School for the Deaf, Pittsburgh, PA. 11 Mar. 2011. Lecture.

Office of the President

**E William Clymer, Associate Professor**

**Invited Presentations/Keynotes:**

Clymer, E. William. "Evolving Success in Innovating Technologies to Overcome Accessibility Barriers." *XVI World Congress of the World Federation of the Deaf*. World Federation of the Deaf. Durban Convention Center, Durban, South Africa. 23 Jul. 2011. Conference Presentation.

**Delbert Dagel, Associate Professor**

**Journal Paper:** Dagel, Mark J. Rosica and Delbert D. "The Three "Dreaded" T's." *AG Bell Volta Voices* 18. 2 (2011): 18-21. Print. Δ

**Lisa Elliot**

**Invited Presentations/Keynotes:**

Nandi, Radhika, *et al.* "Investigation of the Potential for National Technical Institute for the Deaf Developed C-Print Application to Improve Communication in Health Care Setting." *Student Research Presentation*. Rochester General Hospital. Rochester General Hospital, Rochester, NY. 6 Jul. 2011. Lecture. Δ

**Marc Marschark, Professor**

**Invited Presentations/Keynotes:**

Marschark, Marc. "How Deaf Children Learn Why They Sometimes Don't and What We Can Do About It." *Coalition of Private Schools Serving Deaf Children*. Coalition of Private Schools Serving Deaf Children. Captiva, Captiva, FL. 17 Jan. 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Marschark, Marc. "Myths and Misunderstandings in Deaf Education." *American College Educators-Deaf and Hard of Hearing*. ACE-DHH. Fort Worth, TX, Fort Worth, TX. 18 Feb. 2011. Keynote Speech.

**Invited Presentations/Keynotes:**

Marschark, Marc. "Sign Language in Deaf Education: Foundations and Outcomes." *Hong Kong Education Department and Rehabilitation Advisory Committee*. Hong Kong Labour and Welfare Bureau. Hong Kong, Hong Kong, China. 16 May 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Marschark, Marc. "Sign Language in Deaf Education: What We Know, What We Don't Know, and What We Want to Know." *Peace Evangelical Education Centre*. Chinese University of Hong Kong. Chinese University of Hong Kong, Hong Kong, China. 17 May 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Marschark, Marc. "Global Trends in Sign Bilingual Co-enrollment Education." *Seminar on Student with Hearing Impairment Speech and Understanding Training Handbook Centre for Special Needs and Studies in Inclusive Education*. Hong Kong Jockey Club Sign Bilingualism and Co-enrollment in Deaf Education Program. Chinese University of Hong Kong, Hong Kong, China. 18 May 2011. Conference Presentation.

**Invited Presentations/Keynotes:**

Marschark, Marc. "Myths and Misunderstanding in Deaf Education: What We Know, What We Don't Know, and What We Think We Know." *Presentation*. National Technical Institute for the Deaf. National Technical Institute for the Deaf, Rochester, NY. 26 Oct. 2011. Conference Presentation.

**Full Length Book:** Marschark, M. and P. E. Spencer. *The Oxford Handbook of Deaf Studies, Languages, and Education*. 2nd ed. New York: Oxford University Press, 2011. Print.

**Journal Paper:** Bull, Rebecca, *et al.* "Numerical Estimation in Deaf and Hearing Adults." *Learning and Individual Differences* 21. 4 (2011): 453-457. Print. « ≠

**Journal Paper:** Marschark, Marc, *et al.* "Evidence-based Practice in Educating Deaf and Hard-of-hearing Children: Teaching to their Cognitive Strengths and Needs." *European Journal of Special Needs Education* 26. 1 (2011): 3-16. Print. «

**Journal Paper:** Marschark, Marc, *et al.* "Teaching to the Strengths and Needs of Deaf and Hard-of-hearing Children." *European Journal of Special Needs Education* 26. 1 (2011): 17-23. Print. «

**Journal Paper:** Borgna, Georgianna, *et al.* "Enhancing Deaf Students' Learning from Sign Language and Text: Metacognition, Modality, and the Effectiveness of Content Scaffolding." *Journal of Deaf Studies and Deaf Education* 16. 1 (2011): 79-100. Print. « ≠

**Book Chapter:** Marschark, Marc and Patricia E. Spencer. "What We Know, What We Don't Know, and What We Should Know." *Oxford Handbook of Deaf Studies, Language, and Education*. Ed. M. Marschark and P. E. Spencer. New York: Oxford University Press, 2011. 51-516. Print.

**Book Chapter:** Marschark, M. and L. Wauters. "Cognitive Functioning in Deaf Adults and Children." *Oxford Handbook of Deaf Studies, Language, and Education*. Ed. M. Marschark and P. E. Spencer. New York: Oxford University Press, 2011. 486-499. Print.

**Book Chapter:** Spencer, P. E., M. Marschark, and L. J. Spencer. "Cochlear Implants: Advances, Issues and Implications." *Oxford Handbook of Deaf Studies, Language, and Education*. Ed. M. Marschark and P. E. Spencer. New York: Oxford University Press., 2011. 452-471. Print.

## Research and Teacher Education

### **John Albertini, Professor**

**Published Review:** Albertini, J. "Recording the Unimaginable." Rev. of *Overcoming the Past, Determining its Consequences and Finding Solutions for the Present*, by M. Zaurov and K.-B. Günther. *Journal of Deaf Studies and Deaf Education* 2011: 133. Print. Δ

**Journal Paper:** Albertini, J. A., R. R. Kelly, and M. K. Matchet. "Personal Factors that Influence Deaf College Students Academic Success." *Journal of Deaf Studies and Deaf Education*. 17. 1 (2011): 85-101. Print. \*

**Book Chapter:** Albertini, John A. and Sara Schley. "Writing: Characteristics, Instruction, and Assessment." *The Oxford Handbook of Deaf Studies, Language, and Education, Vol. 1 (2nd ed.)*. Ed. Marc Marschark and Patricia Spencer. New York, NY: Oxford University Press, 2011. 130-143. Print. Δ

### **Gerald Bateman, Professor**

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

Bateman, G. "Teacher Action Research Framework in Pre-service Teacher Training Program." *Association of College Educators of the Deaf and Hard of Hearing (ACE-DHH) Conference*. ACE-DHH. Dallas-Ft. Worth, Dallas-Ft. Worth, Texas. 18 Feb. 2011. Lecture. \*

### **Gerald Berent, Professor**

**Journal Paper:** Berent, Gerald P., Ronald R. Kelly, and Tanya Schueler-Choukairi. "L2 and Deaf Learners Knowledge of Numerically Quantified English Sentences: Acquisitional Parallels at the Semantics/Discourse-pragmatics Interface." *Studies in Second Language Acquisition* 34. 1 (2011): 1-32. Print. \*

**Journal Paper:** Kelly, Ronald R., Gerald P. Berent, and Tanya Schueler-Choukairi. "Semantic and Pragmatic Factors Influencing Deaf and Hearing Students Comprehension of English Sentences Containing Numeral Quantifiers." *Journal of Deaf Studies and Deaf Education* 16. 4 (2011): 419-436. Print. \*

**Invited Presentations/Keynotes:**

Berent, Gerald P. "Teaching English to Deaf Students in Diverse Settings: Effective English-teaching Methods." *45th Annual Convention*. Teachers of English to Speakers of Other Languages. Ernest N. Morial Convention Center, New Orleans, LA. 17 Mar. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Kelly, Ronald R. "Deaf College Students Processing of Numeral Quantifiers." *Brown Bag Research Presentation*. Department of Research & Teacher Education. National Technical Institute for the Deaf, RIT, Rochester, NY. 11 Apr. 2011. Guest Lecture. Δ

**Kathy Davis, Assistant Professor**

**Journal Paper:** Davis, Kathy L. "Career Development & Networking for Individuals Who Are Deaf or Hard of Hearing." *Alexander Graham Bell Association for the Deaf - Volta Review Magazine*. (2011): 1-6. Print. Δ

**Lisa Elliot****Invited Presentations/Keynotes:**

Elliot, Lisa and Michael Stinson. "Increasing Access to STEM Instruction Through Specially Produced Notes Using Tablet PC Technology and Speech-to-text Services." *PI Conference on Course Curriculum and Laboratory Improvement/TUES*. NSF. Renaissance Hotel, Washington, DC. 27 Jan. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**

Stinson, Michael and Lisa Elliot. "Analyzing the Use of C-Print Mobile Technology in STEM Lab Settings Across Multiple Postsecondary Sites." *Human Resource Development Joint Annual Meeting*. National Science Foundation. Washington Hilton, Washington, DC. 7 Jun. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**

Stinson, Michael, Pamela Francis, and Lisa Elliot. "The C-Print Service: Using Captions to Support Classroom Communication Access and Learning by Deaf and Hard-of-hearing Students." *Workshop presented to the Deaf and Hard of Hearing Teacher Education Program*. York University. York University, Toronto, Ontario Canada. 1 Apr. 2011. Guest Lecture. Δ

**Invited Presentations/Keynotes:**

Bond, David and Lisa Elliot. "Planning a Successful Proposal." *PI Institute*. Rochester Institute of Technology. RIT, Rochester, NY. 18 Oct. 2011. Lecture.

**Invited Presentations/Keynotes:**

Stinson, Michael, Lisa Elliot, and Pamela Francis. "Evaluation of Use of Tablet PCs and C-Print to Support Deaf and Hard of Hearing Students." *2011 Conference of the Office of Special Education Programs Project Directors*. US Department of Education. Marriott Wardman Park, Washington, DC. 18 Jul. 2011. Conference Presentation. \*



### Susan Foster, Professor

**Journal Paper:** Foster, Susan, *et al.* "Crossing the Communication Barrier: Facilitating Communication in Mixed Groups of Deaf and Hearing Students." *Journal of Postsecondary Education and Disability* 25. 1 (2011): N/A. Web. \*

### Ronald Kelly, Professor

**Invited Presentations/Keynotes:** Kelly, Ronald R. "Non-cognitive Personal Factors that Influence Deaf Students Persistence and Success in College: Data on Three Cohorts 2007, 2008, and 2009." *25th Annual Educational Support Service Personnel Conference*. New York Educational Support Service Personnel. Crowne Plaza, Niagara Falls, NY. 30 Apr. 2011. Conference Presentation. Δ

**Journal Paper:** Albertini, John A., Ronald R. Kelly, and Mary Karol Matchett. "Personal Factors that Influence Deaf College Students Academic Success." *Journal of Deaf Studies and Deaf Education*. (2011): 1-17. Web. \*

**Journal Paper:** Berent, Gerald P., Ronald R. Kelly, and Tanya Schueler-Choukairi. "L2 and Deaf Learners Knowledge of Numerically Quantified English Sentences: Acquisitional Parallels at the Semantics/Discourse-pragmatics Interface." *Studies in Second Language Acquisition* 34. (2011): 1-32. Print. \*

**Journal Paper:** Kelly, Ronald R. and Gerald P. Berent. "Semantic and Pragmatic Factors Influencing Deaf and Hearing Students Comprehension of English Sentences Containing Numeral Quantifiers." *Journal of Deaf Studies and Deaf Education* 16. 4 (2011): 419-436. Print. \*

### Christopher Kurz, Associate Professor

**Invited Presentations/Keynotes:** Kurz, Christopher A. N. "Mathematics for the Deaf: A Resource for Teacher Preparing to Teach Math to Deaf Learners." *Annual National Conference of the Association of College Educators of the Deaf and Hard of Hearing*. Association of College Educators of the Deaf and Hard of Hearing. Hilton Hotel, Dallas-Ft. Worth, TX. 19 Feb. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kurz, Christopher A. N. "Building Networks for Student Learning: Concrete-Representational-Abstract Approach." *Biennial National conference of the Council of American Instructors of the Deaf*. Council of American Instructors of the Deaf. Dallas-Fort Worth Marriott Hotel & Golf Club at Champions Circle, Ft. Worth, TX. 23 Jun. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:** Kurz, Christopher A. N. "Teacher Action Research Framework in Pre-service Teacher Training Program." *Annual Conference of the Association of College Educators of the Deaf and Hard of Hearing*. Association of College Educators of the Deaf and Hard of Hearing. Hilton Hotel, Dallas-Ft. Worth, TX. 18 Feb. 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**  
Kurz, Christopher A. N. "Family Math for All Grades." *Pre-session, Biennial National Conference of the Convention of American Instructors of the Deaf*. Convention of American Instructors of the Deaf. Dallas-Fort Worth Marriott Hotel & Golf Club at Champions Circle, Ft. Worth, TX. 20 Jun. 2011. Conference Presentation. Δ

**Invited Presentations/Keynotes:**  
Kurz, Christopher A. N. "Pre-college Deaf Students Understanding of Fractional Concepts." *Brown Bag Research Presentation*. Research and Teacher Education, NTID. National Technical Institute for the Deaf, Rochester, NY. 10 Jan. 2011. Lecture. Δ

#### Harry Lang, Professor

**Invited Presentations/Keynotes:**  
Lang, Harry G. "Writing to Learn: Strategies for Evidence-based Instruction." *Opening Doors, Unlocking Potential: Language-Literacy-Learning and Students Who are Deaf or Hard of Hearing*. The Partnership for People with Disabilities, a University Center for Excellence in Developmental Disabilities at Virginia Commonwealth University. Holiday Inn University Area, Charlottesville, VA. 29 Jun. 2011. Keynote Speech.

#### Ila Parasnis, Professor

**Invited Presentations/Keynotes:**  
Parasnis, Ila. "The Effective Use of Distance Learning Courses for Deaf Students." *Ali Yavar Jung National Institute for the Hearing Handicapped Professional Development Series*. Ali Yavar Jung National Institute for the Hearing Handicapped. Mumbai, Maharashtra, India. 11 Aug. 2011. Keynote Speech. Δ

**Invited Presentations/Keynotes:**  
Parasnis, Ila. "Enhanced Processing Speed in Deaf Native Signers During Distributed Visual Attention." *Association for Psychological Science 23rd Annual Convention*. Association for Psychological Science. Washington Hilton Hotel, Washington, DC. 26 May 2011. Conference Presentation. \*

**Invited Presentations/Keynotes:**  
Parasnis, Ila. "Distributed Attention in Deaf Native Signers." *Ali Yavar Jung National Institute for the Hearing Handicapped Professional Development Series*. Ali Yavar Jung National Institute for the Hearing Handicapped. Mumbai, Maharashtra, India. 11 Aug. 2011. Keynote Speech. Δ

#### Sara Schley, Associate Professor

**Book Chapter:** Albertini, John and Sara Schley. "Writing: Characteristics, Instruction, and Assessment." *The Oxford Handbook of Deaf Studies, Language, and Education, Vol. 1 (2nd ed.)*. New York, NY: Oxford University Press, 2011. 130-144. Print. Δ

**Journal Paper:** Schley, Sara, *et al.* "Effect of Postsecondary Education on the Economic Status of Persons who are Deaf or Hard of Hearing." *Journal of Deaf Education and Deaf Studies* 16. (2011): 524-536. Print. \*

#### Michael Stinson, Professor

**Book Chapter:** Stinson, M. and T. Kluwin. "Educational Consequences of Alternative School Placements." *The Oxford Handbook of Deaf Studies, Language, and Education, Vol. 1 (2nd ed.)*. Ed. M. Marschark and P. Spencer. New York: Oxford University Press, 2011. 47-62. Print. £

**Invited Presentations/Keynotes:**

Stinson, M and L. Elliot. "Analyzing the Use of C-Print Mobile Technology in STEM Lab Settings Across Multiple Postsecondary Sites." *Human Resource Development Joint Annual Meeting*. National Science Foundation. Washington, D.C., Washington, D.C., District of Columbia. 8 Jun. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Stinson, M, L. Elliot, and P. Francis. "Evaluation of Use of Tablet PCs and C-Print to Support Deaf and Hard of Hearing Students." *2011 Conference of the Office of Special Education Programs Project Directors*. U.S. Department of Education. Washington, D.C., Washington, D.C. 17 Jul. 2011. Conference Presentation. £

**Invited Presentations/Keynotes:**

Stinson, M. "The C-Print Service: Using Captions to Support Classroom Communication Access and Learning by Deaf and Hard-of-hearing Students." *Access Conference*. Deaf and Hard of Hearing Teacher Education Program. York University, Toronto, Ontario, Canada. 3 Apr. 2011. Keynote Speech. £

# OTHER DEGREE GRANTING UNITS

## Center for Multidisciplinary Studies

### Thomas Moran, Professor

**Book Chapter:** Moran, Tom. "Designing for Success." *Volume 1 - Writing for Success: An Engineer's Guide*. Washington, D.C.: IEEE-USA, 2011. 4-28. Web. \*

**Book Chapter:** Moran, Tom. "Volume 2 - The Road to Excellence." *Writing for Success: An Engineer's Guide*. Washington, D.C.: IEEE-USA, 2011. 4-28. Web. \*

**Book Chapter:** Moran, Tom. "Will the Real Ken Kesey Please Steal Something." *Stone Canoe: A Journal of Arts, Literature and Social Commentary*. Syracuse, NY: Syracuse University, 2011. 229-232. Print. \*

### Invited Presentations/Keynotes:

Moran, Tom and Michelle Firnstein. "The Good Class and the Not So Good Class." *Faculty Institute on Teaching and Learning*. The Wallace Center. RIT, Rochester, NY. 25 May 2011. Conference Presentation. £

### James Myers, Professor

**Journal Paper:** Myers, James, Brian Bowen, and Agon Nixha. "Kosova's Energy Efficiency and Fuel Supplies." *International Journal of Energy Sector Management* 5. 4 (2011): 545-563. Print. «

### Invited Presentations/Keynotes:

Myers, James. "Sante Nan Lakou: A Strategic Response to Cholera in Rural Haiti." *National Haitian American Health Alliance (NAHA) Conference*. National Haitian American Health Alliance. Karibe Hotel, Port au Prince, Haiti. 20 Oct. 2011. Conference Presentation. Δ

#### Key for use with all citations

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« Double Blind Peer Reviewed

Δ Invited Paper  
£ Refereed

~ Non-Blind Peer Reviewed  
^ Trade Publication

† RIT Student  
‡ External Funding







# Education specific corruption in Western Balkans

**VENERA DEMUKAJ** IS A LECTURER AT THE AMERICAN UNIVERSITY IN KOSOVO (AUoFK). SHE TEACHES ECONOMICS OF LESS DEVELOPED COUNTRIES; INTERNATIONAL TRADE AND FINANCE; AND ONE QUARTER CAPSTONE. HER MAIN RESEARCH INTERESTS ARE POST-CONFLICT TRANSITIONS; FOREIGN AID; POVERTY REDUCTION; AND WESTERN BALKANS.



AUoFK applied successfully as a partner institution within the Regional Research Promotion Program in the Western Balkans (RRPP). RRPP aims at fostering and promoting research in social sciences with a special focus on the younger and female researchers in the Western Balkans.

The Project is about Education Specific Corruption in Western Balkan with a duration of 18 months and coordinated by the South-East Eu-

ropean Center for Economic Development (SECED) in Tirana. Countries involved in project are Albania, Kosovo, Montenegro, and Macedonia whereby AUoFK is the partner institution in Kosovo. Demukaj leads the team in Kosovo.

The objective of this research project is to assess perceived levels of corruption in various public and private universities and different disciplines; it will also measure significance of pos-

sible differences across countries, types of universities and disciplines, and identify cases and consequences of such differences. The research will be conducted through in-depth interviews, survey-based questionnaires and a set of experiments. Partner institutions are in charge of conducting field research in the respective countries. Hence, this project provides an opportunity for the AUoFK researchers and students to be involved in field research and data analysis about Education Specific Corruption in Kosovo.

The outcome of the study can provide new insights on how to fight education specific corruption, achieve higher equity, and increase human capital. The results will be promoted by participation in international conferences, publication in recognized scientific journals as well as by round tables and local/regional conferences with the relevant stakeholders.



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