



Faculty Scholarship

Highlights of the scholarly accomplishments of Rochester Institute of Technology faculty

2009

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The Center for Student Innovation

Introduction to Faculty Scholarship from Provost Jeremy Haefner

In an ordinary day, the extraordinary happens on the RIT campus. I see the extraordinary when I walk across the RIT campus and talk with our students and faculty. They are excited—and determined—to make a difference. They are why I am so positive about the paths ahead and I know that our future promises tremendous, far-reaching impact. Here at RIT, scholarship takes many forms as innovation and creativity are interwoven. We are, indeed, a place like no other. We are an innovation university.

RIT's faculty have enthusiastically embraced the belief that students will have a richer educational experience if they are engaged in activities that offer creative, cross-disciplinary opportunities. In fact, our curriculum is designed to make certain that every student who comes to RIT has the opportunity to engage in innovative learning experiences. Excelling in research and excelling in teaching, our faculty are passionate about their disciplines and their role in both the lab and the classroom. They are innovative and resourceful. Our students are engaged in the process of discovery and the contribution of new knowledge to their fields—a commitment that would not be possible without the important scholarly projects of an outstanding, world-class faculty.

Inter- and cross-disciplinary works showcase a wide variety of scholarship that flows naturally from the diversity of the eight colleges at RIT. Here, computer scientists from the B. Thomas Golisano College of Computing and Information Sciences work alongside natural scientists from the College of Science and engineers in the Kate Gleason College of Engineering. Scholars in the humanities and social sciences from the College of Liberal Arts may team with the College of Applied Science and Technology and the National Technical Institute for the Deaf. Or you may find a team from the College of Business engaged in collaboration with photographers or furniture designers from the College of Imaging Arts and Sciences. Our commitment to academic excellence is reflected in the wide-ranging scholarship of our faculty—from publications of books and articles, laboratory experiments, and presentations at national and international conferences to original works of art. While our faculty members are immersed in the joy of discovery, they serve as models of lifelong learning for our students.

This is the first in what will be an annual review highlighting recent publications, scholarly presentations, exhibits, shows, and professional service. While it is not possible to publish a complete list of all accomplishments, my thanks and gratitude to each and every one for the work that is done every day on RIT's campus—a place where education is strengthened through creativity, discovery, and innovation.

A complete list of scholarly activities of the faculty highlighted in this publication is available at www.rit.edu/academicaffairs/priorities.php.



"Our commitment to academic excellence is reflected in the wide-ranging scholarship of our faculty—from publications of books and articles, laboratory experiments, presentations at national and international conferences to original works of art. While our faculty members are immersed in the joy of discovery, they serve as models of lifelong learning for our students."

2009-10 Eisenhart Awards for Outstanding Teaching

To encourage the professional growth and development of RIT faculty and to specifically recognize those members of the academic body who contribute most to enhance student learning.



Keith B. Jenkins, Ph.D.

Keith Jenkins, associate professor of communication, College of Liberal Arts

"I have dedicated my life to impacting the lives of others through education and have been equally impacted as a learner via the classroom experience, which has only furthered my passion for higher education and opportunities to pass that passion onto others. I am incredibly thankful that my students and fellow faculty members have benefited from my efforts."



James R. Vallino, Ph.D.

James R. Vallino, professor of software engineering, B. Thomas Golisano College of Computing and Information Sciences

"I enjoy teaching and I think I'm pretty good at it. That's why this honor is so rewarding for me—I really enjoy seeing what students can achieve. I'm known as a tough instructor," says Vallino, who is respected for his unique teaching philosophy—one that requires students to share responsibility for their own learning. "I provide students with sets of questions and the resources required to learn what they need to learn. I'm there to provide guidance along the way."

The Richard and Virginia Eisenhart Provost's Award for Excellence in Teaching

Supports faculty who have taught three years or less in their pursuit of excellence in teaching and leadership in the campus community.



Robert D. Garrick

Robert D. Garrick, associate professor, department of manufacturing and mechanical engineering technology/packaging science, College of Applied Science and Technology

"A real strength in CAST is the applied experience that the faculty has. Sharing the perspective of real-world applications helps students look beyond just getting a grade in class. It helps them realize they are called to a career that has so much potential to solve problems and impact peoples' lives. This award is wonderful, and I look forward to continually learning from others to carry on the tradition of outstanding teaching and scholarship at RIT."

2009-10 Trustees Scholarship Awards

The Education Committee of the Board of Trustees will recognize up to three recipients per year among RIT faculty members who have demonstrated outstanding track records of academic scholarship which “is integral to, and not separated from, all aspects of a student’s educational experience at RIT.”

Joseph P. Hornak, professor of chemistry and imaging science, College of Science

“As a graduate student and post-doctoral Fellow, I worked on some very basic science with little immediate relevance to the man on the street. After coming to RIT, I decided to change this and work on applied science, which would more immediately help society. Hence, I started the RIT Magnetic Resonance Laboratory with the mission statement, a research and development lab devoted to solving real world problems with magnetic resonance. Over the past 25 years, there have been five major research themes in my laboratory: magnetic resonance imaging (MRI) coils, tissue classification using MRI, MRI quality control, MRI contrast agents, and near-surface MRI.”



Joseph P. Hornak, Ph.D.

Marc Marschark, professor and director, Center for Education Research Partnerships, National Technical Institute for the Deaf

“As should be evident by the titles of my projects, publications, and presentations, my research and other scholarship is 100% aimed at improving educational opportunities, access, and outcomes for students with significant hearing losses. Central to all of this is overcoming the long-standing gap between research and practice, not just doing the laboratory and classroom work, but showing students, parents, teachers, and other professionals how this work can and should influence daily (formal and informal) educational activities.”



Marc Marschark, Ph.D.

James J. Winebrake, professor and chair, department of science, technology and society/public policy, College of Liberal Arts

Jamie Winebrake had an idea that has solidified into a respected national program partnering universities with national parks to address energy-related needs. “The goal is to improve the environmental quality of national parks, reduce energy bills, and educate future energy professionals. Our nation’s parks contain old buildings and equipment that waste a lot of energy and money. Improving their energy efficiency will conserve natural resources and save tax dollars. At the same time, students gain experience conducting energy audits and data analysis and finding ways to use alternative energy sources.” In 2016, when the National Park Service celebrates its centennial, sustainability will be a major theme. “We fit in nicely. They will be coming to us to try to learn to effectively implement sustainability at national parks.”



Jamie J. Winebrake, Ph.D.

College of Applied Science and Technology

Manufacturing and Mechanical Engineering Technology/Packaging Science

Scott Anson, Associate Professor

Published Article (1); Conference/Paper/Presentation/Poster (4)

Published Article: "Navigating the Process of Publishing in a Journal." *Journal of Applied Science and Engineering Technology* (JASET) 3 (September 2009).

Betsy Dell, Assistant Professor

Conference/Paper/Presentation/Poster (2); Published Article (1)

Presentation: "Enhancements to a Retention Program for Women Engineering Technology and Packaging Science by the Addition of a Social Support Network and Community Building Activities." ASEE National Conference.

Robert Garrick, Associate Professor

Conference/Paper/Presentation/Poster (1)

Presentation: SAE Abstract for 2009 SAE World Congress, 2009.

Changfeng Ge, Associate Professor

Publications (5); Conference/Paper/Presentation/Poster (2)

Publication: "Package Structural & Mechanism Design with Solid Works." SDC Publications (2009).

Spencer Kim, Associate Professor

Conference/Paper/Presentation/Poster (1)

Presentation: "Effect of Nano Fillers in Hybrid Bio Degradable Tyhermoplastic Cornstarch Materials." ANTEC Annual Conference, Society of Plastics Engineers.

James Lee, Assistant Professor

Published Article (1)

Published Article: Lee, James; Duddy, Brian; Enyeart, Ryan; Beardslee, Daniel; and Thurston, Michael. "Increasing the Lubricity of JP-8 and S-8 to Fuel Two-Stroke Spark Ignition for Midsized Unmanned Aerial Vehicles." *International Journal of Engine Research*.

Carl Lundgren, Professor

Conference/Paper/Presentation/Poster (1); Faculty/Student Collaborations (2)

Presentation: "Skunkworks." Traverse City, Mich.

Michael Parthum, Associate Professor

Patent/License (1)

Patent: "Stress Mitigation of Thin Films and MEMS devices." Patent # 11/061,429.

Center for Multidisciplinary Studies

Mary Boyd, Assistant Professor

Conference/Paper/Presentation/Poster (2)

Presentation: "Using Earned Value Analysis to Measure Overall Project Performance." Spectrum Conference.

Sam McQuade, Professor

Conference/Paper/Presentation/Poster (8); Manuscript/Book (2); Book Chapter/Monograph (1)

Presentation: "Emerging High Tech Crime By and Among Youth: Implications for Intelligence Gathering and Critical Information Infrastructure Protection." Presented at the Symposium on Cybercrime, co-sponsored by the National Intelligence Council and Bureau of Intelligence and Research of the U.S. Department of State.

Tom Moran, Professor

Manuscript/Book (1)

Short Stories: Moran, Tom. *Getting Wet*. In *2034: Writing Rochester's Futures*, 2010. *Hopeful*. In *Reed Magazine*. San Jose State University, 2010.

James Myers, Director

Conference/Paper/Presentation/Poster (2)

Presentation: Private Non-Profit University Partnerships: A Model for Capacity Building in Developing Economies. INTED 2009, Valencia, Spain.

Carol Romanowski, Assistant Professor

Article (1); Conference/Paper/Presentation/Poster (2); Book Chapter/Monograph (1)

Published Book: "Data Mining of Graphs and Trees." *Data Mining and Warehousing Encyclopedia*, 2d ed.

Brian Tomaszewski, Assistant Professor

Conference/Paper/Presentation/Poster (5); Book Chapter/Monograph (1)

Published Book Chapter: "Geocollaboration." In *Encyclopedia of Geography*, edited by B. Warf, London: Sage.

Electrical, Computer and Telecommunications Engineering Technology

Warren Koontz, Professor

Professional Service and Leadership (1)

Professional Service and Leadership: Senior member, Institute of Electrical and Electronics Engineers (IEEE).

Drew Maywar, Assistant Professor

Published Articles (2); Professional Service and Leadership (3); Faculty Student Collaboration (4)

Published Article: Baveja, P.; Maywar, D.N.; and Agrawal, G.P. "Optimization of All-Optical 2R Regenerators Operating at 40 Gb/s: Role of Dispersion." *Journal of Lightwave Technology* 27, 3831–3836.

Civil Engineering Technology, Environmental Management & Safety

Todd, Dunn, Associate Professor

Conference/Paper/Presentation/Poster (1); Book Chapter/Monograph (1)

Presentation: "Adding Civil Engineering to a Department that Is Currently Home to Civil Engineering Technology," ASEE Annual Conference.

Abdullah Al Faruque, Assistant Professor

Article (5); Conference/Paper/Presentation/Poster (3)

Published Article: "Effects of Varying Submergence and Channel Width on Local Scour by Plane Turbulent Wall Jets." *Journal of Hydraulic Research* 46 (6), 764-776

Joseph Rosenbeck, Associate Professor

Article (1); Conference/Paper/Presentation/Poster (1)

Presentation: "Integration of EHS Management Systems." American Industrial Hygiene Conference.

Jennifer Schneider, Professor

Published Article (1); Conference/Paper/Presentation/Poster (2); Professional Service and Leadership (4)

Published Article: "Pharmaceuticals and Sustainability: Benchmarks of Performance." *Benchmarking: an International Journal Special Issue on Sustainable Practice*.

Scott Wolcott, Professor

Conference/Paper/Presentation/Poster (3)

Presentation: "Role of Environmental Managers in U.S. and Canadian SMEs." Presentation at Sixth International Environmental Management Leadership Symposia, Budapest.

Hospitality and Service Management

Barbara Cerio, Associate Professor

Faculty Student Collaboration (1)

NYS Dietetic Association Workshop "Poster Session" students



"Scholarly activities in CAST may occur within or across traditional disciplinary boundaries. This broad scope of scholarly work is due to the multidisciplinary nature of the college, and its mission to create new curricula related to emerging fields and disciplines. Thus, faculty may choose to engage in scholarship consistent with their expertise but it would also be appropriate for the faculty to extend that expertise into multiple disciplines and to disseminate results to a wide variety of audiences."

H. Fred Walker, Dean
College of Applied Science and Technology

David Crumb, Assistant Professor

Professional Service and Leadership (1)

Board Membership: Rochester Hotel Association

Elizabeth Kmiecinski, Associate Professor

Conference/Paper/Presentation/Poster (1);
Professional Service and Leadership (1)

Poster Presentation: State Diabetics Conference:
Nutrition Student Research.

Thomas Maier, Visiting Lecturer

Article (1)

Published Article: "Appreciate Inquiry and
Hospitality Leadership." *Journal of Human
Resource in Hospitality and Tourism Management*.

Bonalyn Nelsen, Associate Professor

Article (2); Conference/Paper/Presentation/Poster
(1); Professional Service and Leadership (2)

Presentation: Society of Case Research,
EUROCHRIE, International Conference on
Engineering Systems Management and Its
Application and Conference on Academic Labor.

Warren Sackler, Associate Professor

Article (1)

Published Article: "Lease vs. Buy—A Leasing
Primer for Startups." *Restaurant Startup and
Growth Magazine*.

E. Philip Saunders College of Business

**Robert J. Barbato, Professor
of Management**

Publications (3)

Published Article: Barbato, Robert J.; DeMartino,
Richard; Jacques, Paul. "The Entrepreneurial
Motivations of Non-Employer Entrepreneurs."
The New England Journal of Entrepreneurship
(April 2009).

Thomas Hopkins, Professor of Economics

Publications (1)

Publication: Hopkins, Thomas. "The Auto
Bailout—A Taxpayer Quagmire." *Issue Brief*
#175, National Taxpayers Union, Alexandria, Va.
(November 2009).

**Erhan Mergen, Professor of
Decision Sciences**

Publications (3)

Published Article: Mergen, Erhan, with Grant,
D. "Towards the Use of Six Sigma in Software
Development." *Total Quality Management &
Business Excellence* 20, no. 7 (July 2009):
705-712.

**Raj S. Murthy, Assistant Professor of
Marketing**

Publications (1)

Published Article: Murthy, Raj S.; Balasubramanian,
Siva K.; and Hodis, Monica A. "Spyware and
Adware: How Do Internet Users Defend
Themselves?" *American Journal of Business*.
(September 15, 2009): 41-52. [http://www.bsu.
edu/mcobwin/majb/?p=595](http://www.bsu.edu/mcobwin/majb/?p=595)



"Our students have described the Saunders College of Business as a community of business scholars with access to the resources only available at a large technological university. Many of our faculty are published authors whose articles shape the framework of business today."

Ashok Rao, Dean
E. Philip Saunders College of Business

B. Thomas Golisano College of Computing and Information Sciences

Department of Computer Science

Reynold Bailey, Assistant Professor

Publications (3)

Publication: Bailey, R.; McNamara, A.; Sudarsanam, N.; and Grimm, C. "Subtle Gaze Direction." *ACM Transactions on Graphics* 28, no. 4 (2009).

Ivona Bezakova, Assistant Professor

Publications (2)

Publication: Bezáková, I., and Rummler, W.A. "Sampling Edge Covers in 3-Regular Graphs." *Proceedings of the 34th International Symposium on Mathematical Foundations of Computer Science (MFCS)* (2009).

Hans Peter Bischof, Associate Professor

Publications (2)

Publication: Bischof, H., and Annamala, S. "The Kiss Principle Applied to Dataflow Languages Paradigms for Visualization Frameworks." *Proceedings of the 2009 Conference on Modeling, Simulations and Visualization Methods* (2009): 48-55.

Zachary Butler, Assistant Professor

Publications (3)

Publication: Butler, Z., and Bribiescas, C. "Corridors for Robot Team Navigation." *Proceedings of Distributed Autonomous Robotic Systems (DARS)* (2008).

Roxanne Canosa, Associate Professor

Publications (2)

Publication: Canosa, R.L. "Real-World Vision: Selective Perception and Task." *ACM Transactions on Perception* 6, no. 2, article 11 (2009).

Henry A. Etlinger, Associate Professor

Professional Service And Leadership (1)

Professional Service and Leadership: Faculty Associate for Scholarship and Learning

Roger Gaborski, Professor

Publications (3)

Publication: Wang, Y.; Anderson, P.; and Gaborski, R. "A Biologically Inspired Model for Face Recognition." *Proceedings of Applied Imagery and Pattern Recognition AIPR 2009: Vision: Humans, Animals and Machines* (2009).

Joseph Geigel, Associate Professor

Publications (2)

Publication: Geigel, J. "Teaching Animation in Second Life." *Proceedings of Siggraph 2009: Talks*, New Orleans (August 03 – 07, 2009).

James Heliotis, Professor

Publications (4)

Publication: Heliotis, J.E. "Easing Up on the Introductory Computer Science Syllabus: A Shift from Syntax to Concepts." *Proceedings of the 24th ACM SIGPLAN Conference Companion on Object Oriented Programming Systems Languages and Applications*, Orlando (October 25 – 29, 2009): 683-686. OOPSLA '09. ACM, New York.

Edith Hemaspaandra, Professor

Publications (7)

Publication: Faliszewski, P.; Hemaspaandra, E.; Hemaspaandra, L.; and Rothe, J. "The Shield That Never Was: Societies With Single-Peaked Preferences Are More Open to Manipulation and Control." *Proceedings of the Twelfth Conference on Theoretical Aspects of Rationality and Knowledge (Tark Xii)*, ACM Digital Library (July 2009): 118-127.

Trudy Howles, Associate Professor

Publications (2)

Publication: Howles, T. "A Study of Attrition and the Use of Student Learning Communities in the Computer Science Introductory Programming Sequence." *Computer Science Education* 19 (1) (2009).

Christopher Homan, Associate Professor

Publications (2)

Publication: Silenzio, V.; Duberstein, P.; Tang, W.; Lu, N.; Tu, C.; and Homan, C. "Connecting the Invisible Dots: Reaching Lesbian, Gay, and Bisexual Adolescents and Young Adults at Risk for Suicide Through Online Social Networks." *Social Science & Medicine* 69 (3) (2009): 469-474.

Alan Kaminsky, Associate Professor

Publications (2); Presentations (2); Professional Service and Leadership (2)

Published Book: Kaminsky, Alan. *Building Parallel Programs: Smtps, Clusters, and Java*. Cengage Course Technology (2010).

Fereydoun Kazemian, Associate Professor

Publications (1)

Publication: Kazemian, F., and Howles, T. "Teaching Challenges: Testing And Debugging Skills For Novice Programmers." *Software Quality Professional* 11 (1) (2008).

Minseok (James) Kwon, Associate Professor

Publications (2)

Presentation: Dewey, K.; Menezes-Pinto, A.; Abrams, L.; Defrancisco, R.; Kwon, M.; and Raj, R. "A High Performance File System Using Commodity Hardware for Scientific Visualization." 5th IEEE International Conference on E-Science, Oxford, December 2009.

Stanislaw Radziszowski, Professor

Publications (7); Presentations (3)

Publication: Radziszowski, S. "Small Ramsey Numbers." *The Electronic Journal of Combinatorics, Dynamic Survey DS1*, Revision #12, 72 pages (2009).

Rajendra Raj, Professor

Publications (2); Presentations (3)

Presentation: Dewey, K.; Menezes-Pinto, A.; Abrams, L.; Defrancisco, R.; Kwon, M.; and Raj, R. "A High Performance File System Using Commodity Hardware for Scientific Visualization." 5th IEEE International Conference on E-Science, Oxford, December 2009.

Manjeet Rege, Assistant Professor

Publications (2); Presentations (1)

Publication: Rege, M., and Yu, Q. "Efficient Mining of Heterogeneous Star-Structured Data." *International Journal of Software and Informatics, Special Issue on Data Mining*, Institute of Software of The Chinese Academy of Sciences, Science Press 2, no. 2 (2008): 141-161.

Leon Reznik, Professor

Publications (6)

Publication: Reznik, L.; Yampolskiy, R.; Harlow, J.; and Novikov, D. "When the Resource Consumption Does Matter: Artificial Neural Network Structure Choice for Intrusion Detection." *Proceedings of AISAT 2009, The Third International Workshop on Artificial Intelligence in Science and Technology*. Proceedings/ed. M. Negnevitsky, Hobart, Tasmania, Australia, November 23 – 24, 2009.

Axel Schreiner, Professor

Publications (1); Presentations (4)

Publication: Schreiner, A.T., and Heliotis, J.E. "A Discipline of Tree Processing." *Proceedings of the 7th International Conference on Principles and Practice of Programming in Java*. Calgary, August 27 – 28, 2009. PPPJ '09. ACM, New York, 85-90.

Richard Zanibbi, Assistant Professor

Publications (3); Presentations (3); Patents (1)

Publication: Zanibbi, R.; Blostein, D.; and Cordy, J.R. "White-Box Evaluation of Computer Vision Algorithms Through Explicit Decision-Making." *Proc. Int'l. Conf. Computer Vision Systems, Lecture Notes in Computer Science* 5815, Liège, Belgium, 2009: 295-304.

Department of Information Sciences and Technologies

Deborah G. Coleman, Associate Professor

Publications (2)

Publication/Presentation: Coleman, D. "Wiki Behavior in the Workplace: Emotional Aspects of Content Development." Published in the conference proceedings and presented to an international audience in Rome, Italy, November 20, 2009. Iadis International Conference WWW/Internet 2009, vol. 2, 457-462.

School of Informatics

Jai W. Kang, Associate Professor

Publications (2)

Publication: Morgan, D.; Kang, J.W.; and Kang, J.M. "Minable Data Warehouse," proc. from the 11th International Conference on Enterprise Information System (ICEIS 2009):125-136, May 6-10, 2009, Milan, Italy.

Department of Interactive Games and Media

Erik H. Vick, Assistant Professor

Publications (2); Presentations (1); Professional Service and Leadership (1); Faculty/Student Collaborations (2)

Published Book: Vick, Erik Henry. *Emotion Notions: Modeling Personality in Game Character Ai*. Cengage Course Technology Ptr. (2009).



"At the Golisano College, we continue to refine and enhance our academic portfolio to best meet not only students' interests but the needs of an ever-evolving industry. Our dedicated, world-class faculty and innovative degree options help us get to the very top!"

Jorge Díaz-Herrera, Dean
B. Thomas Golisano College of
Computing and Information Sciences

Department of Networking, Security and Systems Administration

Yin Pan, Associate Professor

Patents (1); Publications (3); Reviews (3); Professional Service and Leadership (5)

Publication: Pan, Yin; Stackpole, Bill; and Troell, Luther. "Computer Forensics Technologies for Personal Identifiable Information Detection and Audits." *Journal of Information Systems Audit and Control Association* (ISACA) 2, (2009): 44-48.

Sumita Mishra, Assistant Professor

Publications (3); Refereed Conference Papers (4); Professional Service (6)

Published Book: Mishra, S., and Shenoy, N. "Multihop, Multipath and Load Balanced Routing in Wireless Mesh Networks." *Handbook/ Encyclopedia on Ad Hoc and Ubiquitous Computing*. Edited by D. Agrawal and B. Xie. *World Scientific* (October 2009).

Department of Software Engineering

Y. Raghu Reddy, Assistant Professor

Publications (3); Academic Service/Leadership (6)

Published Book: Reddy, Yedduladoddi Raghu. *Aspect Oriented Software Development: An Approach to Composing UML Design Models*. VDM Verlag, ISBN: 978-3-639-12084-4 (February 2009).

Kate Gleason College of Engineering

Center for Quality and Applied Statistics

Daniel R. Lawrence, Associate Professor

Publications (1); Presentations (1)

Published Chapter: "A Forced-Classification Analysis of Rank-Order Data Subject to a Polychotomous Criterion Item." In *New Trends in Psychometrics*, Universal Academy Press, Inc., 2009.

Department of Computer Engineering

Juan Carlos Cockburn, Associate Professor

Formal Presentations (1)

Presentations: Cockburn, J.C.; McCloud, K.; and Wagner, J. "Robust Control of Elk-Hunter Systems." 62nd NYSEA Annual Conference, Ithaca, N.Y., October 16 – 17, 2009.

Kenneth W. Hsu, Professor & Director System-on-Chip Center

Published Books/Articles (3); Formal Presentations (1); Professional Service and Leadership (3)

Formal Presentations: "Real Time H.264 Video CODEC IC Design," as invited speaker at the 9th Engineering Information and Technology Conference, MIT, Boston, August 6 – 7, 2009.

Dhiresha Kudithipudi

Published Articles (5); Published Reviews (1); Formal Presentations (3); Professional Service and Leadership (10)

Published Articles: Ng, K.F.; Hsu, K.; and Kudithipudi, D. "A Parallel-Segmented Architecture for Low Power Content-Addressable Memory." *Proc. IEEE International System on Chip Conference (SOCC-2009)* Belfast, September 9 – 11, 2009.

Andres Kwasinski

Published Books (1); Published Articles (2); Professional Service and Leadership (3)

Published Books: Liu, K.J.; Sadek, A.K.; Su, W.; and Kwasinski, A. *Cooperative Communications and Networking*. Cambridge University Press, 2009.

Andreas Savakis, Professor

Published Articles (8); Professional Service and Leadership (1)

Published Articles: Tsagkatakis, G., and Savakis, A. "Random Projections for Face Detection under Resource Constraints." International Conference on Image Proc. (ICIP 2009), Cairo, Egypt, November 2009.

Shanchieh Jay Yang, Associate Professor

Published Articles (7); Formal Presentations (5); Professional Service and Leadership (3)

Published Article: Yang, S.J.; Holsopple, J.; and Liu, D.F. "Elements of Impact Assessment: A Case Study with Cyber Attacks." Proceedings of SPIE Security and Defense Symposium, Intelligent Sensing, Situation Management and Impact Assessment Conference, Orlando, April 2009.

Department of Electrical and Microelectronic Engineering

Eli Saber, Associate Professor

Publications (7)

Publication: Dianat, Sohail, and Saber, Eli. *Advanced Linear Algebra for Engineers with MATLAB*. CRC Press, February 2009.

Gill R. Tsouri, Assistant Professor

Published Articles (4); Exhibits (1); External Scholarly Fellowships (2); Professional Service and Leadership (5)

Published Article: Tsouri, G.R., and Wulich, D. "Securing OFDM over Wireless Time-Varying Channels using Sub-Carrier Over-Loading with Joint Signal Constellations." *Eurasip Journal on Wireless Communications & Networking—Special Issue on Wireless Secrecy* 2009, article ID 437824 (2009).

Industrial and Systems Engineering Department

Michael E. Kuhl, Associate Professor

Publications (5); Presentations (5); Professional Service and Leadership (3)

Published Article: Kuhl, M.E., and Zhou, X. "Sustainability Toolkit for Simulation-based Logistics Decisions." *Proceedings of the 2009 Winter Simulation Conference*, M.D. Rossetti, R.R. Hill, B. Johansson, A. Dunkin, and R.G. Ingalls, eds. Piscataway, N.J.: Institute of Electrical and Electronics Engineers (2009): 1466–1473.

Marcos Esterman, Assistant Professor

Publications (2); Presentations (1); Professional and Service Leadership (2)

Presentations: Esterman, M., and Kang, H. (invited presenters). "A Framework for Warranty Prediction During Product Development." Society of Reliability Engineering, Product Development Management Association, America Society of Quality, and the International Council of Systems Engineering, Rochester, N.Y., November 12, 2009.

Department of Mechanical Engineering

Stephen Boedo, Associate Professor

Publications (2); Presentations (2); Professional Service and Leadership (1); Faculty/Student Collaborations (1)

Published Article: Boedo, S., and Booker, J.F. "Dynamics of Offset Journal Bearings—Revisited." Proceedings of the Institution of Mechanical Engineers, Part J: *Journal of Engineering Tribology* 223, no. 3, (2009): 359-369, 606-607.

David Gee, Assistant Professor

Published Books (1); Published Articles (1)

Published Book: King, M.R., and Gee, D.J., eds. *Multiscale Modeling of Particle Interactions: Applications in Biology and Nanotechnology*. Wiley, 2009.

Robert Stevens, Assistant Professor

Publications (2); Presentations (2)

Published Article: Sandoz-Rosado, E., and Stevens, R.J. "Experimental Characterization of Thermoelectric Modules and Comparison with Theoretical Models for Power Generation." *Journal of Electronic Materials* 38 (2009): 1239-1244.

Karl A. Sweitzer, Adjunct Professor

Publications (1)

Chapter Publication: Sweitzer, K.A.; Hull, C.A.; and Piersol, A.G. "Equipment Design." Chap. 40 in *Harris' Shock and Vibration Handbook*, 6th ed. New York: McGraw-Hill, 2009.

Benjamin Varela, Associate Professor

Publications (2) Presentations (1); External Scholarly Fellowships (1); Professional Service and Leadership (2); Faculty/Student Collaborations (4)

Publication: Lawson, Joseph; Varela, Benjamin; Panandiker, Raj S. Pai; and Helguera, Maria. "Determining the Elastic Properties of Geopolymer Using Nondestructive Ultrasonic Techniques." In *Developments in Strategic Materials: Ceramic Engineering and Science Proceedings*, 143-153. Print ISBN: 9780470345009.



"Our faculty's top priority is teaching. They complement their teaching with research and ongoing contact with the world of work. We are strongly committed to making the engineering experience exceptional for the talented and motivated students attracted to our college."

Harvery Palmer, Dean
Kate Gleason College of Engineering

College of Imaging Arts and Sciences

School for American Crafts

Rich Tannen, Professor of Furniture Design and Woodworking

Exhibits/Presentations (1)

Inclusion in national exhibition at the Pritam & Eames Gallery in Easthampton, N.Y., to be held in May/June 2010, and in the national juried exhibition "Six Degrees of Separation" to be exhibited on the MIT campus as part of the National Furniture Society Conference in June 2010.

Michael Rogers, Associate Professor

Publications (7); Presentations (10); Shows/Exhibits (8); Professional Service and Leadership (1); Faculty/Student Collaborations (3)

Work Featured in Publication: *Breaking Ground: A Century of Craft Art in Western New York*. Lovenheim, Barbara, Ramljak, Suzanne, and Smith, Paul J., eds.

Andy Buck, Associate Professor

Presentations, Exhibitions (5); Workshop/ Lecture (1); Publications (2)

Exhibition: *Boxes and Their Makers*, Messler Gallery, Center for Furniture Craftsmanship, Rockport, Maine. Invitational international exhibition that will travel for two years to additional venues in museums and galleries around the U.S. A book was recently published showcasing the artists of the exhibition, called *Masters of The Wooden Box*.

Robin Cass, Professor—Glass Program

Work Featured in Publications (2); Formal Presentations (1); Shows/Exhibits (2); Professional Service and Leadership (1); Faculty/Student Collaborations (1)

Work Featured in Publication: *Breaking Ground: A Century of Craft Art in Western New York*. Lovenheim, Barbara, Ramljak, Suzanne, and Smith, Paul J., eds.

School of Design

Nancy Ciolek

Formal Presentations (1)

Presentation: "Design for the Common Good." National UCDA Design Education Summit, University and College Designers Association, Mobile, Ala., May 28 – 31, 2009.

Chris Jackson, Associate Professor, Computer Graphics Design

Publications (2); Published Interview (1); Presentations (2); Shows/Exhibits (1); Professional Service and Leadership (1)

Publication: *Flash Cinematic Techniques: Enhancing Animated Shorts and Interactive Storytelling*. Focal Press, ISBN 0240812611. The focus of this book applies universally accepted cinematic techniques to Flash projects to improve the storytelling quotient in entertainment, advertising, and educational media.

Lorrie Frear, Assistant Professor

Presentations/Exhibits (12)

Presentation: Presentation in the Graphic Design Program showing collaborative work done in the design programs at RIT; also did a calligraphy lecture and seminar for 40 undergraduate and graduate design and architecture students about contemporary lettering. California Polytechnic State University, San Luis Obispo, February 2009.

School of Film and Animation

Adrienne Carageorge, Associate Professor

Presentations (3); Professional Service and Leadership (1)

Professional Service and Leadership: Elected as Executive Vice-President of the University Film and Video Association (UFVA), the pre-eminent professional association for university educators in film and video production.

Foundations

Michael Amy, Associate Professor, Art History

Publications (7); Interviews (1); Exhibition Reviews (3); Presentations (3)

Amy, Michael. "Testing the Limits." *Folkert de Jong, Circle of Trust, Selected Works 2001-2009*, Amsterdam and Groningen, Black Cat Publishing and Groninger Museum (2009): 84-88. Exhibition catalogue, Groninger Museum, October 10, 2009 – April 11, 2010.

Heidi Nickisher, Visiting Assistant Professor, Art History

Formal presentations (2)

Presentation: "Culturally in Bed and Embedded: Stories of How Red Becomes White," College Art Association Conference, Los Angeles, February 2009.

Medical Illustration

James A. Perkins, Associate Professor

Illustrations in Publications (6); Presentations (1); Shows/Exhibits (2); Professional Service and Leadership (2); Faculty/Student Collaborations (1)

Illustrations appearing in publications: *Robbins and Cotran Pathologic Basis of Disease*, 8th ed., by Drs. Vinay Kumar, Abul Abbas, and Nelson Fausto. Elsevier Publishing. Translated into 13 languages, this is the top-selling pathology text used in medical schools around the world.

Sarah Thompson, Assistant Professor, Art History

Presentations (1)

Presentation: "Image and Audience in the Portals of Notre-Dame and Saint Basile d'Etampes."
Seawanee Medieval Colloquium, April 2009.

School of Photographic Arts and Sciences

Susan Lakin, Associate Professor

Exhibitions (5); Museum Collection (1);
Publications (2); Reviews (2); Awards (2)

Exhibition: Lishui International Photo Festival,
Lishui, China, November 2009.

Oscar Palacio, Assistant Professor

Shows/Exhibits (1)

Exhibition and Presentation: DeCordova Biennial,
with a selection of large-scale photographs from
his History Re-Visited series. Formal presentation of
his work at the DeCordova Museum as part of the
biennial exhibition programming, Lincoln, Mass.

Angela Kelly, Associate Professor

Professional Service and Leadership (5);
Presentations/Exhibits (2); Work Appearing
in Publications (2)

Professional Service and Leadership: Artist in
Residence, Constance Saltonstall Foundation for the
Arts, Ithaca, N.Y., August 2009. Created a new body of
photographic work on re-imagining the landscape.

School of Print Media

Twyla Cummings, Interim Associate Dean

Publications (4); Reviews (1); Presentations (2);
Professional Service and Leadership (6)

Published Articles: Cummings, T. "A Newspaper
Transformed—The Rochester Democrat and
Chronicle." In *Personalization: Data Driven Print
and Internet Communications*, Sorce, P., 156-161,
Rochester, N.Y.: RIT Cary Graphic Arts Press, 2009.

Patricia Sorce, Administrative Chair

Publications (2)

Published Book: Sorce, P. *Personalization: Data-
driven Print and Internet Communications*. Rochester,
N.Y.: RIT Cary Graphic Arts Press, 2009.



*"The College of Imaging Arts and Sciences is a
place where technology liberates the imagination
and allows creativity to drive the process."*

*Frank Cost, Interim Dean
College of Imaging Arts and Sciences*

College of Liberal Arts

Department of Anthropology

Uli Linke, Professor of Anthropology

Publications (6)

Publication: Linke, Uli, and Smith, Danielle T., eds.
Cultures of Fear: A Critical Reader. London: Pluto
Press 2009.

Department of Communication

Susan Barnes, Professor

Published Books (1); Articles (3); Conference
Papers (3)

Publication: Barnes, S.B. *Visual Impact: The Power
of Visual Persuasion*. Cresskill, N.J.: Hampton
Press, 2009.

Department of Economics

Amitrajeet A. Batabyal, Arthur J. Gosnell **Professor of Economics, Interim** **Academic Director, Golisano Institute** **for Sustainability**

Publications (25); Presentations (16); Professional Service and Leadership (9); Faculty/Student Collaborations (1)

Publication: Lominac, C.D. (RIT Economics Student), and Batabyal, A.A. 2009. "An Approach to the Management of Orchards that Are Vulnerable to Attack by Invasive Species." *Letters in Spatial and Resource Sciences* 2 (2009): 123-31.

Department of English

A.J. Caschetta, Lecturer

Publications (1)

Published Article: "Defending the West: A Critique of Edward Said's Orientalism." *Middle East Quarterly* (Winter 2009).

Fine Arts Department

Cyril Reade, Associate Professor of Art **History**

Formal presentations (1); Shows/exhibits (5); Professional Service (1)

Presentation: "The Vancouver School: A Distinctive West Coast Aesthetic." Association of Canadian Studies in the United States (ACSUS), San Diego, November 2009.

Department of History

Rebecca A.R. Edwards, Associate **Professor and Chair**

Presentations (1); Publications (4); Professional Service and Leadership (1)

Presentation: "Mothering in Silence: Deafness, Marriage, and Motherhood in Historical Perspective." The Upstate New York Women's History Conference in Geneva, N.Y., March 7, 2009.

Department of Philosophy

John Capps, Professor and Senior **Associate Dean**

Published books (1)

Publication: Capps, John, and Capps, Donald. *You've Got To Be Kidding! How Jokes Can Help You Think*. Wiley-Blackwell, 2009.

Katie Terezakis, Assistant Professor

Publications (6); Presentations (2); Professional Service and Leadership (4)

Publication: Terezakis, K., ed. and contributor. *Engaging Agnes Heller: A Critical Companion*. Maryland: Lexington Books, 2009.

Department of Psychology

Jeffrey Baker, Adjunct Professor

Presentations (3)

Presentation: 23rd Annual Conference on Teaching of Psychology, Tarrytown, N.Y., 2009, and at the annual meeting of the American Psychological Association, Toronto, Ontario. Ultimately made into a Webinar for training of community college and high school faculty.

Nick DiFonzo, Professor

Professional Activities (2); Publications (5); Presentations (2)

Published book: DiFonzo, Nicholas. *The Watercooler Effect: The Indispensable Guide to Understanding and Harnessing the Power of Rumor*. New York: Avery (Penguin), 2008.

Kirsten Condry, Assistant Professor

Publications (1); Presentations (1)

Publication: Shutts, K.; Condry, K.; Santos, L.R.; and Spelke, E.S. "Core Knowledge and Its Limits: The Domain of Food." *Cognition* (2009): 112, 120-140.

Department of Sociology and Anthropology

Conerly Casey, Associate Professor

Publications (4); Presentations (2)

Publication: "Mediated Hostility: Media, 'Affective Citizenship,' and Genocide in Northern Nigeria." In *Genocide, Truth and Representation: Anthropological Approaches*, edited by Alexander Laban Hinton and Kevin O'Neill, 247-278. Durham: Duke University Press, 2009.

Science, Technology and Society/Public Policy Department

Christine Keiner, Associate Professor

Publications (1)

Publication: Keiner, Christine. *The Oyster Question: Scientists, Watermen, and the Maryland Chesapeake Bay Since 1880*. University of Georgia Press, 2009. Won Honorable Mention for the 2010 Frederick Jackson Turner Award, given annually by the Organization of American Historians for an author's first book on some significant phase of U.S. history.



"The College of Liberal Arts is home to a distinguished faculty, many of whom are known nationally and internationally for their research. However, unlike some academic institutions with research reputations, our faculty involve students in their scholarship. We like to think of ourselves as a student-centered research institution."

Robert Ulin, Dean
College of Liberal Arts

National Technical Institute for the Deaf

American Sign Language and Interpreting Education

Christine Monikowski, Associate Professor

Publications (2)

Publication: Peterson, R., and Monikowski, C. "Perceptions of Efficacy of Sign Language Interpreters Working in K-12 Settings." In *Seeing Clearly: Ethical Considerations in Education of Children Who Are Deaf*, edited by K. Mangan Christensen. Washington, D.C.: Gallaudet University Press. In press.

Business Studies

Edward Lord, Assistant Professor

Presentations (1)

Presentation: "Ten Steps to a More Successful Job Search." National Training Conference: Deaf and Hard of Hearing in Government, May 2009.

Alvin Boyd, Lecturer

Presentations (2)

Presentation: "A Module of Career Exploration for Deaf and Hard-of-Hearing Students Using Math Word Problems." National Council of Teachers of Mathematics Boston Regional Conference and Exposition, October 23, 2009.

Communication Assessment Services

Geoffrey S. Poor, Associate Professor

Presentations (1); Professional Service and Leadership (1)

Presentations: "Sign Language Dictionary Development" and "Assessing Sign Language Skills with the Sign Language Proficiency Interview." Third International Conference on Disability and Rehabilitation, sponsored by the Prince Salman Center for Disabilities Research, Riyadh, Kingdom of Saudi Arabia, March 26 – 30, 2009.

Communication Studies and Services

Marianne S. Gustafson, Associate Professor

Publications (2); Presentations (5)

Publication: Gustafson, M., and Bochner, J. "Assessing Critical Thinking Skills in Students with Limited English Proficiency." *Assessment Update: Progress, Trends, and Practices in Higher Education* 21 (4) (2009): 8-10.

Cultural and Creative Studies

Joseph H. Bochner, Professor and Chair

Publications (1)

Publication: Bochner, J., and Bochner, A. "A Limitation on Reading as a Source of Linguistic Input: Evidence from Deaf Learners." *Reading in a Foreign Language*, 21(2), (2009): 143-158.

Luane Davis Haggerty, Visiting Instructor

Publications (1); Exhibits/Presentations (1)

Publication: Haggerty, Luane Davis. *Acting I: Del-Sign Takes the Stage*. ISBN 978-0-578-03294-8 Lulu.com. An acting textbook that is designed for the serious Deaf actor or actors interested in a physical approach to acting.

Chemistry Department

Matthew A. Lynn, Assistant Professor

Publications (1); Presentations (3)

Publication: Jones, W.; Lynn, M.A.; and Mash, E.A. "Conformational Analysis of Bridgehead-Substituted Bicyclo[m.m.m]alkanes and Bicyclo[8.8.n]alkanes." *Tetrahedron*, 65, (2009): 10317-10322.

Laboratory Science Technology

Annemarie D. Ross, Instructor

Publications (1); Presentations (5); Professional Service and Leadership (1)

Publication: Ross, Annemarie D., and Pagano, Todd. "Development of a Curriculum to Teach the 'Soft Skills' Necessary for the Future Deaf and Hard-of-Hearing Laboratory Technician Workforce." *Journal of Science Education for Students with Disabilities*, 13 (1) (2009): 17-28.

Department of Science and Mathematics

Todd Pagano, Assistant Professor

Publications (3); Presentations (6); Professional Service and Leadership (2); Faculty/Student Collaborations (3)

Publication: Pagano, Todd. "Conducting Research with Early Undergraduate Students and Students with Special Needs." In *Broadening Participation in Undergraduate Research: Fostering Excellence and Enhancing the Impact*, edited by Mary K. Boyd and Jodi L. Wesemann. Council on Undergraduate Research (CUR). Washington, D.C., 2009.



"*When* our contributions to improving the circumstances of men and women who are deaf are assessed in 2020, when we are judged, the words of Virgil should ring true: "Experto credite—Trust one who has proved it" (*Aeneid*, XI.283). *NTID* should be trusted because it has contributed in significant ways to improving the circumstances of deaf people; because of excellence, integrity, credibility, and innovation."

James J. DeCaro, Interim President
National Technical Institute for the Deaf

College of Science

School of Biological and Medical Sciences

Dawn Carter, Lecturer

Published Articles (4); Presentations (1); Exhibitions (7); Student / Faculty Collaborations (7); External Scholarly Fellowships (1); Professional Service and Leadership (2)

Faculty/Student Collaborations: Worked with botany students to design and plant a pollinator garden and worked with the Biology of Plants students to design and plant a rain garden.

Robert D. Frisina, Jr., Research Professor, Biological Sciences, and Associate Director, International Center for Hearing and Speech Research, NTID

Publications (3); Reviews (2); Formal Presentations (2); Published Abstracts (5); Presentations (3); Professional Service and Leadership (11); Mentoring (3)

Publication: Christensen, N.; D'Souza, M.; Zhu, X.; and Frisina, R.D. "Age-related Hearing Loss: Aquaporin 4 Gene Expression Changes in the Mouse Cochlea and Auditory Midbrain." *Brain Res.* 1253: 27-34. (PMCID: PMC2670229), 2009.

Department of Chemistry

Marvin Lee Illingsworth, Professor

Publications (2); Presentations (2)

Published Book: Chow, D.; Cheng, W.; Dai, H.; Wagner, S.R.; Luzzi, S.D.; Landi, B.J.; He, L.; Siochi, E.J.; and Illingsworth, M.L. "Pendent Polyimides Using Mellitic Acid Dianhydride. IV. Effect of Increased Zirconium-Pendent Group Content on Polymer Properties." *High Perform. Polym.* 21 (2009): 744-764.

Lea Michel, Assistant Professor

Presentations (2); Professional Service/Leadership (1)

Presentation: "Using Protein Structure-Function Analysis to Identify New Vaccine Targets and Improve Microbial Fuel Cell Efficiency." SUNY Buffalo, October 2009.

Gerald A. Takacs, Professor

Publications (7); Presentations (1); Professional Service and Leadership (3)

Presentation/Publication: Razdan, M.; Entenberg, A.; Debies, T.; Parekh, B.; Rai, P.; and Takacs, G.A. "Surface Oxidation of Polyimides with UV Photo-oxidation in the Absence of Ozone" (invited paper). Seventh International Symposium on Polymer Surface Modification, University of Maine, Orono, Maine, July 12 – 15, 2009, and accepted for publication in the *Journal of Adhesion Science and Technology* with the title "Surface Modification of Poly(biphenyl dianhydride-para-phenylene diamine) (BPDA-PDA) and poly(pyromellitic dianhydride-oxydianiline) (PMDA-ODA) polyimides with UV Photo-oxidation." In press.

Center for Imaging Science

Roy Berns, Professor

Publications (4)

Publication: "Color Technology—Current Practices and Future Endeavors." *Proc. of the 11th Congress of the International Colour Association (AIC 2009)*. Edited by Dianne Smith, Paul Green-Armytage, Margaret A. Pope, and Nick Harkness. CD. Sydney: Colour Society of Australia, 2009.

Mark Fairchild, Professor

Publications (2); Presentations (5)

Published Article: "To See, to Adapt, and to Reproduce." In *To Look and To Look*. Edited by Raúl Gómez Valverde, Esete Punto Publishers, Santander, Spain (2009): 58-71.

James Ferwerda, Associate Professor

Publications (9); Presentations (11); Professional Service and Leadership (3)

Presentations: "Visual Models for Realistic Image Synthesis." Keynote address at the annual meeting of the Picture Coding Society of Japan, Shuzenji, Japan, October 9, 2009.

John Kerekes, Associate Professor

Publications (4)

Publication: "Optical Sensor Technology." In *The SAGE Handbook of Remote Sensing*, edited by T.A. Warner, M.D. Nellis, and G.M. Foody. London: SAGE Publications, 2009.

Carl Salvaggio, Associate Professor

Publications (6); Presentations (2)

Presentations: Nilosek, D.R.; Paul, S.E.; Forrest, C.J.; and Salvaggio, C. "High Resolution 3D Model Extraction from Multiple View Imagery for Use with Physical Modeling." University and Industry Technical Interchange Review Meeting, UITI 2009, Simulation and Modeling, Clearwater Beach, Fla., December 2009.

John Schott, Professor

Publications (5); Professional Service and Leadership (1)

Publications: Schott, J.R. *Fundamentals of Polarimetric Remote Sensing*. SPIE Press Book TT81, 268 pages, ISBN: 9780819475343, March 2009.

Anthony Vodacek, Associate Professor

Publications (2); Presentations (1); Professional Service and Leadership (6)

Publications: Wang, Z.; Vodacek, A.; and Coen, J. "Generation of Synthetic Infrared Remote Sensing Scenes of Wildland Fire." *International Journal of Wildland Fire* 18 (2009): 302-309.

John Whelan, Associate Professor

Publications (16); Formal Presentations (6); Professional Service and Leadership (4)

Published Article: Abbott, B. et al. [including J.T. Whelan]. "Einstein@Home Search for Periodic Gravitational Waves in LIGO S4 Data," LIGO Scientific Collaboration, Phys. Rev. D 79, 022001, 29 pages (2009).

Jan van Aardt, Associate Professor

Published Articles (5); Formal Presentations (6); Research Award (1); Professional Service and Leadership (6); Faculty/Student Collaborations (9)

Publication/Award: 2009 ERDAS Award for Best Scientific Paper in Remote Sensing; American Society for Photogrammetry and Remote Sensing (ASPRS): van Aardt J.A.N., R.H. Wynne, and J.A. Scrivani, 2006. Lidar-based Mapping of Forest Volume and Biomass by Taxonomic Group Using Structurally Homogenous Segments. *Photogrammetric Engineering and Remote Sensing* 74 (8): 1033-1044.

School of Mathematical Sciences

Bernard Brooks, Associate Professor

Presentations (3)

Presentation: "First Order 4-dimensional Discrete Dynamic Linear Stability Conditions." AMS Fall Eastern Sectional Meeting, University Park, Pa., October 24, 2009.

Manuela Campanelli, Associate Professor, Director, Center for Computational Relativity and Gravitation

Publications (10); Presentations (6); Shows/ Exhibits (6); Professional Service and Leadership (8); Faculty/Student Collaborations (4)

Professional Service and Leadership: Elected 2009 Fellow of the American Physical Society "...for groundbreaking work on numerical simulations of binary black hole spacetimes, and for explorations using these simulations of interesting physical effects such as 'superkicks' and spin-driven orbital dynamics," November 14, 2009.

Marvin Gruber, Professor

Publications (3); Professional Service and Leadership (1)

Publication: *Regression Estimators A Comparative Study Second Edition*, Baltimore: Johns Hopkins University Press, May 2010.

Akhtar A. Khan, Assistant Professor

Published Books (1); Peer-Reviewed Research Papers (4); Published Reviews (5); Presentations (4); External Scholarly Fellowships (1)

Published Book: Pardalos, P.; Rassias, T.M.; and Khan, A., eds. *Nonlinear Analysis and Variational Problems*. Springer, 2009.

Carlos Lousto, Associate Professor

Published Articles (10); Formal Presentations (5); Exhibits (1); External Scholarly Fellowships (3); Professional Service and Leadership (8); Faculty/Student Collaborations (2)

Formal Presentations: "New Results in Numerical Relativity," invited speaker. Differential Geometry Seminar, Harvard University, March 10, 2009.

Darren A. Narayan, Associate Professor

Published Articles (6); Presentations (8); Professional Service and Leadership (3); Faculty/Student Collaborations (2)

Published Article: Novotny, S.; Ortiz, J.P.; and Narayan, D.A. "Minimal Rankings and the Rank Number of a Path Squared." *Information Processing Letters*. Elsevier Science 109, no. 3 (2009): 193-198.

Yosef Zlochow, Assistant Professor

Publications (10); Presentations (2); Shows/Exhibits (1); Faculty/Student Collaborations (1); Professional Service (4)

Presentation: "Numerical Relativity: A Critical New Tool for Astrophysics," invited talk. APS meeting, May 5, 2009.

Department of Physics

Michael Kotlarchyk, Professor

Published Articles (1); Formal Presentations (1); External Scholarly Fellowships (1); Professional Service and Leadership (1)

External Scholarly Fellowships: 2009 Air Force Research Laboratory Faculty Fellowship (Nanostructured and Biological Materials Group, Materials and Manufacturing Directorate, Wright-Patterson Air Force Base): *Characterization of Peptide-Coated and Peptide-Encapsulating Nanoparticles by NMR and Small-Angle Scattering*.

David Merritt, Professor

Publications (16); Presentations (5)

Publication: Merritt, David; Schnittman, Jeremy D.; and Komossa, S. "Hypercompact Stellar Systems Around Recoiling Supermassive Black Holes." *The Astrophysical Journal*, 699, no. 2, (2009): 1690-1710.

Seth M. Hubbard, Assistant Professor

Publications (10); Presentations (6); Professional Service and Leadership (4); Faculty/Student Collaborations (9)

Published Books: Hubbard, S.; Raffealle, R.; and Bailey, S. "Quantum Dot Solar Cells." *Nanotechnology for Photovoltaics*, Edited by Loucas Tsakalakos. Boca Raton: CRC Press (2010): 279-322.



"Our faculty members are dedicated teachers who also practice their professions outside of the classroom in scholarship, research, and other professional activities. Students are encouraged to work with faculty members as they pursue their research. Many joint student-faculty research projects have resulted in publication in professional literature."

*Sophia Maggelakis, Dean
College of Science*

Scott Franklin, Associate Professor

Publications (1); Presentations (8)

Publication: Dell, Zachary E., and Franklin, Scott V. "A Statistical Approach to Rod Filtration." *Journal of Statistical Mechanics*, P09010 (2009).

Chris O'Dea, Professor

Publications (8); Presentations (1); Professional Service and Leadership (1); Faculty/Student Collaborations (8)

Publication: O'Dea, C.P. "A Multi-Wavelength View of the Archetypical CSS Radio Galaxy 3C303.1: Evidence for Shocks and Induced Star Formation." *Astronomische Nachrichten* 330 (2009): 261-263.

Michael Richmond

Publications (6); Presentations (4)

Publication: Richmond, M.E. et al. "Proper Motions with Subaru II. A Sample in the Subaru/XMM-Newton Deep Survey Field." *Publications of the Astronomical Society of Japan* 62 (2010): 91.



Graduate Studies

Andrew M.T. Moore, Dean, Graduate Studies

Publications (1); Presentations (1); Professional Service and Leadership (2)

Published article: Moore, A.M.T. "Gordon Hillman, Abu Hureyra and the Development of Agriculture." In *From Foragers to Farmers, Papers in Honour of Gordon C. Hillman*, edited by A.S. Fairbairn and E. Weiss, 8-14. Oxford: Oxbow Press, 2009.

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RIT At A Glance

FOUNDED IN 1829, Rochester Institute of Technology is a privately endowed, coeducational university with eight colleges emphasizing career education and experiential learning.

THE CAMPUS occupies 1,300 acres in suburban Rochester, the third-largest city in New York state. RIT also has international campuses in Croatia, Dubai, and Kosovo.

THE RIT STUDENT BODY consists of approximately 12,130 full-time and 1,720 part-time undergraduate students, and 2,630 graduate students. Enrolled students represent all 50 states and over 100 foreign countries.

RIT is an internationally recognized leader in preparing deaf and hard-of-hearing students for successful careers in professional and technical fields. The university provides unparalleled access and support services for the more than 1,200 deaf and hard-of-hearing students who live, study, and work with hearing students on the RIT campus.



COOPERATIVE EDUCATION provides paid career-related work experience in many degree programs. RIT has the fourth-oldest and one of the largest cooperative education programs in the world, annually placing more than 3,600 students in more than 5,400 co-op assignments with nearly 2,000 employers across the United States and overseas.

RIT will admit and hire men and women, veterans, people with disabilities and individuals of any race, creed, religion, color, national or ethnic origin, sexual orientation, age, or marital status in compliance with all appropriate legislation.