

10-11

Annual Report  
**College of  
Liberal Arts and Sciences**



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# Executive Summary

## Parviz Ansari

*Dean, College of Liberal Arts and Sciences*

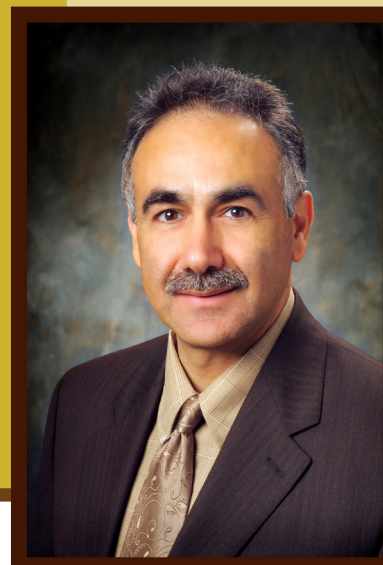
I am pleased to present the 2010-11 Annual Report of the College of Liberal Arts and Sciences. This report is a collection of the achievements of the academic departments and special programs within the College from July 1, 2010 to June 30, 2011.

At the completion of my second year as the Dean of CLAS at Rowan University, I am proud to present the many exciting initiatives of the College. During the summer of 2011, we finalized the goals, objectives and action steps of the College-wide Strategic Plan. Inaugurated in the Fall 2009 semester, the strategic planning process has been a collective effort of CLAS faculty and administration. Throughout the past year, the College has progressed in its strategic biomedical, environmental, and public policy initiatives through faculty hiring, curricular development, and research planning. Program consolidation and a reorganization of the Dean's Team, framed within the strategic plan and to be implemented in the current fiscal year, will serve to strengthen the College's offerings and create opportunities for advancement. Moreover, the College has worked to increase awareness of our faculty, student and alumni accomplishments through enhancements to our website, social media applications and targeted publications.

My thanks to everyone who has participated in the development and preparation of this Annual Report.



Parviz Ansari  
Dean, College of Liberal Arts and Sciences



*New Major Degree Programs Academic Year 2011-2012*

- Accelerated BA/MA Dual Degree and an MA in History (Spring'11);
- Accelerated BA/MA in Law and Justice Studies and Criminal Justice (Fall'11);
- Sequence A in Africana Studies for the Liberal Studies: Humanities/Social Sciences major (Fall'11);
- Sequence A in Geography for the Liberal Studies: Humanities/Social Sciences major (Fall'11);
- Post-baccalaureate Certificate program in Psychology (Fall'11);
- BA in Physics (starts Spring'12);
- BS in Planning (starts Spring'12);
- BS in GIS (Geographic Information Systems) (starts Spring'12);
- BA in Applied Geographic Knowledge and Skills (starts Spring'12);
- BA in Integrated Studies in Geography and Environment (starts Spring'12);
- Sequence A in American Studies for the Liberal Studies: Humanities/Social Sciences major (starts Spring'12).

*New Minors Academic Year 2011-2012*

- Business Spanish (Fall'11);
- German (Fall'11);
- Geographic Information Systems (starts Spring'12);
- Planning (starts Spring'12);

*New Concentrations Academic Year  
2011-2012*

- Geographic Inquiries into Global Issues (starts Spring'12);
- Applied Geographic Knowledge and Skills (starts Spring'12).



# College Strategic Planning

## *College Strategic Planning*

In 2009, the College of Liberal Arts and Sciences initiated its comprehensive 5-year strategic planning. Led by a dedicated team of faculty, staff and administration of the College, the 2010-2011 academic year marked the adoption of the first formal strategic plan in the College's history. The strategic planning efforts identified goals and objectives for the five main areas of development: undergraduate education, graduation education, faculty and staff enrichment, infrastructure and budgeting, and localization/globalization.

The CLAS faculty met during a Mini-Summit in October 28, 2010 to discuss the progress of the strategic planning efforts originally begun in the previous academic year. The group brainstormed about the directions and possibilities for the College in the future. Soon after the summit, the Executive Committee spearheaded the efforts in compiling ideas and suggestions from the goal committees, resulting in the creation of a unified plan for the College's future steps. New Mission and Vision Statements emerged along with a collective articulation of the College's values. During the year of 2011-2012 the College will engage in prioritizing the goals and objectives resulting in the implementation of the plan.

## *College of Liberal Arts and Sciences Strategic Plan*

### *Mission*

The College of Liberal Arts and Sciences affirms the humanities, natural sciences, and social sciences as the core of liberal education and the foundation of professional preparation. As the largest and most diverse academic unit of Rowan University, the College is committed to excellence in instruction, research, and scholarship. Its disciplines promote extensive interaction between faculty and students, attention to individual development of critical and creative thinking, the building of interdisciplinary communities through partnerships both internal and external, and the development of new knowledge through research and creative activities. The College plays an essential role in Rowan's mission: to educate students who remain lifelong learners and ethically responsible citizens, sensitive to cultural and ethnic diversity and engaged in advancing our global society.

### *Values*

*The College of Liberal Arts and Sciences values the following:*

- Collaborative learning;
- Active, interdisciplinary and experiential learning;
- Liberal education based on principles of ethical and social responsibility.

### *Vision*

The College of Liberal Arts and Sciences aspires to be a premier student-centered college recognized as one of the best among its peers nationwide and a model for displaying the value of liberal education.

*College Strategic Goals*

*Undergraduate Education*

- Improve learning outcome assessments.
- Create interdisciplinary education connecting all clusters of the College.
- Develop partnerships with an increased utilization of the Camden Campus.
- Develop non-traditional undergraduate and alternative methods of delivery.

*Graduate Education*

- Enhance and strategically expand graduate programs.

*Faculty and Staff Enrichment Goals*

- Enhance the commitment of the College to academic quality and integrity by focusing on faculty- and staff-related issues.

*Infrastructure and Budgeting*

- Develop and fund new academic and entrepreneurial programs.
- Promote external grant activities.
- Increase foundation and corporate funding.
- Establish ongoing fundraising initiatives to increase available resources.
- Improve the quality and number of students and their retention rates.
- Promote the College through online and print publications and other means.

*Localization/Globalization*

- Incorporate study abroad programs in our education.
- Improve internationalization in our curriculum and cultural activities.
- Develop new strategic partnerships with universities abroad and with selected high schools and community colleges.
- Promote student and faculty engagement in civic services in local areas.
- Improve our town/gown relationship.



# College at a Glance

## 2010 - 2011 Office of the Dean

<b>Parviz Ansari</b> <i>Dean</i> Ansari@rowan.edu	<b>Cindy Vitto</b> <i>Associate Dean</i> Vitto@rowan.edu	<b>Kristen DiNovi</b> <i>Assistant Dean</i> Dinovi@rowan.edu	<b>Alison Krufka</b> <i>Dean's Fellow for Assessment</i> Krufka@rowan.edu
<b>DJ Angelone</b> <i>Dean's Fellow for Research</i> Angeloned@rowan.edu	<b>Dorie Gilchrist</b> <i>Coordinator, Exploratory Studies Program</i> Gilchrist@rowan.edu	<b>Aimee Burgin</b> <i>Program Coordinator and Advisor, Liberal Studies: Humanities/Soc. Science</i> Burgin@rowan.edu	<b>Francine Knight</b> <i>Secretary</i> Knight@rowan.edu
<b>Dottie Mastranduono</b> <i>Secretary</i> Mastranduono@rowan.edu	<b>Christine DiBlasi</b> <i>Secretary, Interdisciplinary Studies</i> DiBlasi@rowan.edu		

## 2011 - 2012 Office of the Dean

<b>Parviz Ansari</b> <i>Dean</i> Ansari@rowan.edu	<b>Ieva Zake</b> <i>Associate Dean for Academic Affairs</i> Zake@rowan.edu	<b>Tricia Yurak</b> <i>Assistant Dean for Undergraduate and Graduate Students</i> Yurak@rowan.edu	<b>Janet Lindman</b> <i>Assistant Dean for Assessment and Planning</i> Lindman@rowan.edu
<b>Greg Caputo</b> <i>Assistant Dean for Research and Grants</i> Caputo@rowan.edu	<b>Gloria Sanders</b> <i>Director of Finance and Administration</i> Sandersg@rowan.edu	<b>Cindy Vitto</b> <i>Senior Fellow</i> Vitto@rowan.edu	<b>Tomas Varela</b> <i>Health Professions Advisor</i> Varela@rowan.edu
<b>Dottie Mastranduono</b> <i>Secretary</i> Mastranduono@rowan.edu	<b>Christine DiBlasi</b> <i>Secretary, Interdisciplinary Studies</i> DiBlasi@rowan.edu	<b>Aimee Burgin</b> <i>Program Coordinator and Advisor, Liberal Studies: Humanities/Soc. Science</i> Burgin@rowan.edu	<b>Francine Knight</b> <i>Secretary</i> Knight@rowan.edu

**Rose Attanasi**  
*Secretary to the Dean*  
Attanasi@rowan.edu



## 2011 - 2012 Department Information

### Biological Sciences

Chair: Terry O'Brien  
 Secretary: Patricia Lee Milano  
 Ext: 4833

### English

Chair: Catherine Parrish  
 Secretary: Theresa Craig  
 Ext: 4065

### History

Chair: Joy Wiltenburg  
 Secretary: Denise Williams  
 Ext: 4818

### Philosophy & Religion

Chair: Matthew Lund  
 Secretary: Teresa Magliocco  
 Ext: 4075

### Psychology

Chair: Monica Greco  
 Secretary: Evelyn Stewart  
 Ext: 4870

### Chemistry & Biochemistry

Chair: Catherine Yang  
 Secretary: Kathleen Monahan  
 Ext: 4505

### Foreign Languages & Literatures

Chair: Sonia Spencer  
 Secretary: Kathleen Taddei  
 Ext: 4071

### Law & Justice Studies

Chair: Michael Weiss  
 Secretary: Margaret Brown  
 Ext: 4828

### Physics & Astronomy

Chair: Edward Guerra (interim)  
 Secretary: Donna D'Emilio  
 Ext: 4855

### Sociology & Anthropology

Chair: Mary Gallant  
 Secretary: Marianne McCulley  
 Ext: 4884

### Computer Science

Chair: Stephen Hartley  
 Secretary: Debra Coughlin  
 Ext: 4805

### Geography & the Environment

Chair: John Hasse  
 Secretary: Laura Ruthig  
 Ext: 4811

### Mathematics

Chair: Clarence Howe  
 Secretary: Bette Counsellor  
 Ext: 4844

### Political Science & Economics

Chair: Lawrence Butler  
 Secretary: Majeeda Hason  
 Ext: 4866

## 2011 - 2012 Interdisciplinary Program Information

### Majors

#### Africana Studies

Coordinator: James Coaxum  
 Coaxum@rowan.edu

#### American Studies

Coordinator: James Abbot  
 Abbot@rowan.edu

#### Liberal Studies:

#### Humanities/Soc. Sciences

Coordinator: Aimee Burgin  
 Burgin@rowan.edu

#### Liberal Studies:

#### Mathematics/Science

Coordinator: Eric Milou  
 Milou@rowan.edu

### Concentrations

#### African American Studies

Coordinator: James Coaxum  
 Coaxum@rowan.edu

#### Asian Studies

Coordinator: Q. Edward Wang  
 Wangq@rowan.edu

#### International Studies

Coordinator: Glen Odom  
 Odomg@rowan.edu

#### Urban Studies

Coordinator: John Hasse  
 Hasse@rowan.edu

#### Women's & Gender Studies

Coordinator: Andrew Hottle  
 Hottle@rowan.edu

# College at a Glance

## *New Faculty*

### **Kerisha Bowen**

*Department of Chemistry and Biochemistry, Full Time Temporary*

Ph.D. in Chemistry from Temple University, January 2009

Postgraduate Research:

University of Pennsylvania (PI: Dr. Kendra Bence)

- Profiled expression of PTP Genes in obesity and diabetes
- Studied the metabolic role of the tyrosine phosphatase PTP1B in specific neuronal populations using conditional mouse models

Areas of Expertise: Organic Chemistry

### **Marci Carrasquillo**

*Department of English, Tenure Track Assistant Professor*

Ph.D. in English from University of Oregon, August 2006

Postgraduate Research and Teaching Experience:

- Assistant Professor, English Department, Simpson College, 2007-2010
- Postdoctoral Fellow, English Department, University of Oregon, 2006-2007
- Ford Foundation Dissertation Fellowship, 2005-2006

Areas of Expertise: Comparative Ethnic American Literature

### **Solomon Duki**

*Department of Physics and Astronomy, Full Time Temporary*

Ph.D. in Physics from Case Western Reserve University, May 2009

Postgraduate Research and Teaching Experience:

- Visiting Assistant Professor of Physics, Columbus State University in Earth and Space Sciences Department, 1/2010 – 5/2011
- Postdoctoral Fellow, Okinawa Institute of Science and Technology, 4/2008 – 6/2009
- Postdoctoral Fellow, Emory University, Department of Biology, 8/2004 – 3/2008
- Postdoctoral Fellow, University of Virginia, Department of Neurosurgery, 2002-2004.

Areas of Expertise: Theoretical and Computational Condensed Matter Physics

## *New Faculty*

### **Tabbetha Dobbins**

*Department of Physics and Astronomy, Tenure Track Assistant Professor*

Ph.D. in Physics from Pennsylvania State University, 2002

Postgraduate Research and Teaching Experience:

- National Institute of Standards and Technology
- Associate Professor at Louisiana Tech and Grambling State universities

Areas of Expertise: Materials Sciences, Synchrotron X-ray Studies, Biomedical Applications

### **John Finn**

*Department of Geography and Anthropology, Full Time Temporary*

Ph.D. in Geography from Arizona State University, 2011

Postgraduate Research and Teaching Experience:

- Visiting Lecturer of Geography, University of Richmond, VA., 2011

Areas of Expertise: Social, Cultural, and Urban Geography, Social Theory, Critical Race Studies, Music, Representation, Qualitative Methodologies, Cuba, Brazil, Latin American Studies

### **Rebecca Hoffman**

*Department of Biological Sciences, Full Time Temporary*

Ph.D. in Anatomy and Structural Biology from University of Pennsylvania, 1990

Postgraduate Research Experience:

- Muscular Dystrophy Association Fellowship, Thomas Jefferson University, Department of Neurology

Areas of Expertise: Muscle Differentiation and Development

### **Taryl Kirk**

*Department of Physics and Astronomy, Full Time Temporary*

Ph.D. in Solid State Physics from Swiss Federal Institute of Technology Zurich (ETH Zurich), April 2010

Postgraduate Research and Teaching Experience:

- Swiss Innovation Promotion Agency CTI, 3/2009-3/2011

Areas of Expertise: Surface Science, Microscopy

# College at a Glance

## *New Faculty*

### **Brendan Livingston**

*Department of Political Science and Economics, Tenure Track Assistant Professor*

Ph.D. in Economics, University of Arizona, June 2011

Areas of Expertise: Public Finance, Economic History, Applied Econometrics, Macro Economics and Economic Development

### **Luis Olivieri**

*Department of Geography and Environment, Full Time Temporary*

M.S in Agricultural Sciences from University of Puerto Rico at Mayaguez, 1985

Postgraduate Research and Teaching Experience:

- Senior Manager, Geographic Information Systems, Atlantic Cape Community College, 2009-2011
- Director of the Partnership for Spatial and Computational Research, University of Puerto Rico, 2001-2006

Areas of Expertise: GIS, Soil and Water Conservation

### **Yang Yang**

*Department of Chemistry and Biochemistry, Tenure Track Assistant Professor*

Ph.D in Physical Chemistry from University of Wisconsin, Madison, December 2008

Postgraduate Research Experience:

- Research Associate at University of Wisconsin, Department of Geoscience and Wisconsin Astrobiology Research Consortium

Areas of Expertise: Theoretical and Computational Chemistry/Biochemistry

### **Michael Casner**

*Department of Chemistry and Biochemistry, Full Time Temporary*

Ph.D. in Chemistry, University of Arizona, August 1984

Postgraduate Research Experience:

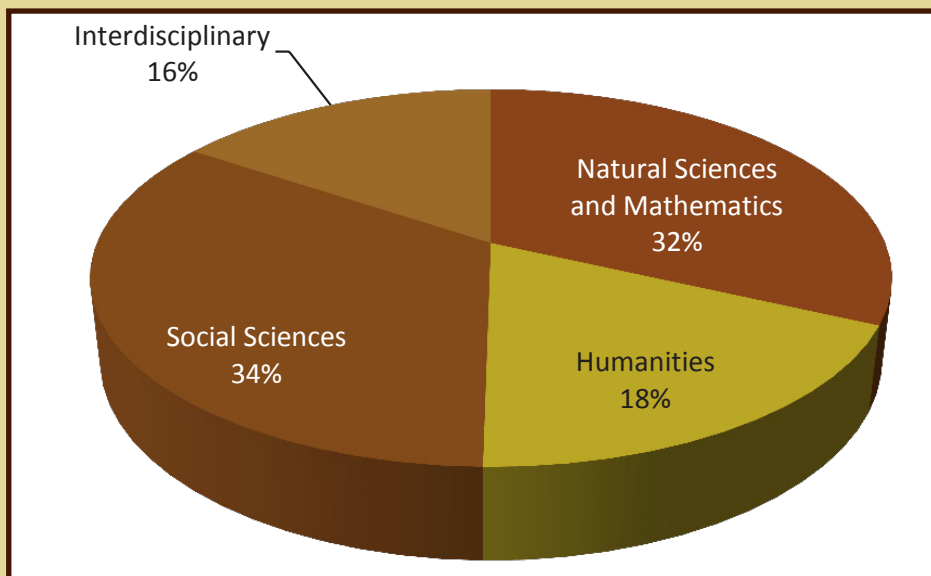
- Robert A. Welch, Division of Medical Chemistry, College of Pharmacy, University of Texas at Austin
- Supervised students' synthetic research

Areas of expertise: Synthetic Organic Chemistry, Bio-organic Medical Synthetic Chemistry, Technology Planning and Technology Assessment

### Student Enrollment

With over 5,000 undergraduates and a growing number of graduate students, the College of Liberal Arts is the largest college on campus. CLAS majors make up over half the population of all students currently attending Rowan University. Our programs are housed throughout campus engaging students from Bunce to Wilson Halls. Whether it is an English course or a section for Math, our programs serve every student on campus.

Within the College, our majors are spread throughout the various clusters which include natural sciences and mathematics, social sciences, the humanities and interdisciplinary programs.



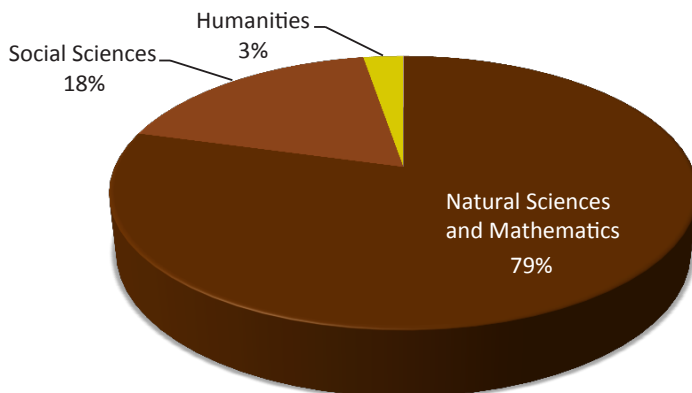
*Over 50% of students attending Rowan University are CLAS majors*

College at a Glance

# College at a Glance

## Grants

In the academic year 2010-2011, the faculty of the College of Liberal Arts and Sciences within all disciplines submitted over 52 proposals to outside funding agencies. The culture of research that has grown within the College resulted in awards just over \$1.1 million.



## Gifts

Over the years, the generosity of our donors directly benefits our students, faculty and the entire Rowan community. Their lasting generosity allows us to strive for excellence. For their commitment and support, we are grateful.

In recognition of our donors who have committed \$50,000 or more:

Frank A. DiCicco M'79  
Ric '80 and Jean M. Edelman '81  
Anthony J. Jannetti  
Mike and Eileen Miller  
Robert W. '60 and Helen T. Norton '60

A complete listing of our donors who contributed between July 1, 2010 through June 30, 2011 can be found on our website at [www.rowan.edu/las](http://www.rowan.edu/las)

## 2011 CLAS Summer Grant Awards



In support of faculty scholarship, Dean Ansari continued the college-wide competitive grant program awarding a total of \$30,000 to eight faculty members. The goal of the grant program is to enhance the ability of faculty to submit to external granting agencies.

**Pictured Left to Right:** Dr. Hong Ling; Dr. Timothy Vaden; Dr. Jim Haugh; Ali Houshmand, Interim President; Parviz Ansari, Dean of CLAS; James Newell, Interim Provost; Dr. Lawrence Markowitz; Dr. Zena Meadowsong; and Dr. MaryLou Kerwin.

**Not Pictured:** Dr. Jeffrey Hettinger and Dr. Chanelle Rose.

## Faculty Highlights

All faculty of the College are congratulated on their scholarly accomplishments for the last year. Featured below are just a few highlights. To see more faculty accomplishments, please refer to the Program Profile section in the second part of the Report.

- Dr. Yaquan Sun joined the Department of Chemistry and Biochemistry as the College's second postdoctoral fellow. Dr. Sun is working on the optimization of drug delivery using nano-materials, a project sponsored by Rose Pharmaceutical Corporation.
- The Rowan team for the COMAP Mathematical Contest in Modeling (MCM) was rated "Meritorious Winner," which placed them in the top 15% out of 2,775 entries from around the world. For their specific problem, only three teams from U.S. schools (Eastern Oregon University, the U.S. Military Academy, and Roanoke College) placed ahead. Rowan's Team outperformed challengers from schools such as Harvard, Tufts University, the Illinois Institute of Technology, Brown, University of Pennsylvania, Grinnell, Virginia Tech, Georgia Tech, Duke, Princeton, RPI, Johns Hopkins, and MIT.
- Dianne Ashton, professor at the Department of Philosophy and Religion, was named editor of *American Jewish History*, the premiere journal in the field of Jewish history.
- Melissa R. Klapper, associate professor of History was awarded a residential fellowship at the University of Michigan's Frankel Institute for Advanced Judaic Studies beginning Fall 2011. The Institute comprises an international group of scholars from various disciplines who advance Jewish Studies through research and discussion.
- Elyssa Ford (Ph.D. in Public History from Arizona State University) was welcomed as Rowan's first Hollybush Fellow. The Hollybush Fellowship is expected to become an annual program attracting scholars to further study and document the legacy of 1968 Hollybush Summit.
- Through a grant from the National Institutes of Health, Gregory Caputo and a team of undergraduate students worked on researching ways to improve antibiotics by using naturally occurring parts of the immune system.
- For the fifth year, the Department of Foreign Languages and Literatures welcomed a Chinese Fulbright Foreign Language Teaching Assistant. Yinan Li, an English lecturer at the University of Sichuan in China, received the yearlong assistantship, which bridges language and culture gaps.

# College at a Glance

## *College Initiatives*

- Continuation of regular and consistent strategic planning process that included the development of departmental 1-year and 5-year plans and formation of five College-wide strategic planning committees.
- The reorganization and restructuring of the Dean's Team was proposed and approved, with the new team in place starting July 1, 2011. We welcome a new Associate Dean (Ieva Zake), a Director of Finance and Administration (Gloria Sanders), two new Assistant Deans (Tricia Yurak, for Undergraduate and Graduate Students and Janet Lindman, for Assessment and Planning), a Senior Fellow (Cindy Vitto), and a Dean's Fellow for Research and Grants (Greg Caputo).
- Restructuring of departments developed in the 2010-2011 academic year and implemented July 1, 2011, established the Department of Geography and the Environment (incorporating our highly successful interdisciplinary program in Environmental Studies); the Department of Sociology and Anthropology; and the Department of Political Science and Economics.
- The Dean's office embarked on the assessment initiative for the entire College, which will lead to the creation of the Assessment Team consisting of representatives of all academic departments during the Fall 2011 semester.
- College Graduate Council was formed as an advisory body to the Dean. It will review and discuss graduate program initiatives and develop strategic coordination between the graduate programs in the college.
- The College's first comprehensive Annual Report was published and the CLAS Newsletter expanded to eight pages highlighting the diverse body of work of the faculty and staff of the College.
- The Dean continued to oversee the Exploratory Studies program, which houses over 300 undeclared major students during their first four semesters at Rowan University.





Select Events



*Dean's Distinguished Lecture Series*

The second annual Dean's Distinguished Lecture Series brought three well-known experts from both private industry and academia to campus to present their research.

- The first annual Law and Justice Day was held on October 7, 2010 and included demonstrations of some of the most intriguing components of law enforcement. Alpha Phi Sigma, the Law and Justice Honor Society, co-sponsored the event with Rowan's Department of Public Safety.
- The College of Liberal Arts & Sciences recognized some of its most accomplished seniors during the Spring 2011 Dean's Senior Recognition Awards Ceremony. Faculty from each CLAS program select the graduating senior who they feel best represents their discipline, demonstrates academic excellence and have also made significant contributions to their department, the University and/or surrounding community.
- The 2011 New Jersey finals for the National Geographic Bee were hosted by the University for the second time on April 1, 2011. This event was made possible through the efforts of Zachary Moore, professor at the Department of Geography and Anthropology, and his work with the New Jersey Alliance for Geographic Education.
- The Psychology Department and Psychology Alliance held its 37th annual psychology research conference on April 20, 2011. The conference recognized students' academic accomplishments and research.
- The annual STEM Symposium was held on April 15, 2011 hosting a record number of student presentations.
- On April 8, 2011, the 5th Annual Rowan Sciences Day was held, showcasing departments of Biological Sciences, Chemistry and Biochemistry, Computer Science, Mathematics, and Physics and Astronomy. The event attracted approximately 100 high school students from the surrounding areas.
- Alumna of the English Department and author Kristen Brozina '10 launched the national tour for her book, *The Reading Promise: My Father and the Books We Shared* (Grand Central Publishing), on May 3, 2011. A reception was held with a reading and book signing at the new Barnes & Noble Collegiate Superstore located on Rowan Boulevard.

*Lego League Qualifying Event*

Co-chaired by Jennifer Kay, professor at the Department of Computer Science, the Lego® League Qualifying event for high school students was held for the second year at Rowan University on December 4, 2010.



# Program Profiles



# *Program Profiles*

# Program Profiles

## *American Studies*

### *Students*

- Total number of majors: 219

### *Strategic Goals for 2010-2015*

2010-2011

- Go forward with new BA program at Camden County College
- Begin LS:HSS Sequence in American Studies
- Make required curricular changes in Intro to American Studies relating to changes in English curriculum

2011-2015

- Secure necessary faculty lines needed to ensure continued quality of educational experience
- Adjust to new advising exigencies
- Foster greater connections to community

### *Permanent Faculty*

*Name:* Emily Blanck

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* American History, Intellectual History, Historical Methods, and US Legal History

### *Other Accomplishments:*

- “I Heart Dead People” lecture on using minor historical figures to illustrate larger historical events, by children’s book author Sudipta Bardhan-Quallen, April 2011.

## *Biological Sciences*

### *List of Degree Programs*

- B.S., Biology
- B.S., Nursing

### *List of Minors/Concentrations*

- Minor in Biology
- Concentration in Health Professions
- Concentration in Environmental Sciences

### *List of Minors/Concentrations*

- Undergraduate Majors in Biology: 487 (as of Spring 2011; Fall 2011 enrollment is 588)
- Undergraduate Majors in Nursing: 249 (as of Spring 2011; Fall 2011 enrollment is 336)

### *Strategic Goals for 2010-2015*

2010-2011

- Increase staffing to meet enrollment and programmatic needs and support University or CLAS initiatives
- Pursue contributions to development and accomplishment of medical school and biomedical initiatives
- Plan for accommodating enrollment increases in AY 2011-2012

2011-2015

- Increase staffing to meet enrollment and programmatic needs and support University or CLAS initiatives
- Develop interdisciplinary program in bioinformatics
- Pursue contributions to development and accomplishment of medical school and biomedical initiatives
- Enhance professional development of existing faculty and staff
- Enhance career and research opportunities for students
- Enhance collaborative research activities

### *Permanent Faculty*

*Name:* Courtney Richmond  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor

*Name:* Patrick Crumrine  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor

*Name:* Michael Grove  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor

*Name:* Gregory Hecht  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor

# Program Profiles

## Biological Sciences

### Permanent Faculty

*Name:* Luke Holbrook

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Name:* Gerald Hough

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Name:* Cristina Iftode

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Name:* Alison Krufka

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Name:* Terry O'Brien

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Name:* Dayalan Srinivasan

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Name:* Maria Tahamont

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Name:* Virginia Wilson

*Highest degree(s) attained:* E.D.

*Rank:* Assistant Professor

### Grants

- Hecht, G. Domino Foods Inc. \$82,000, 9/1/10 – 6/30/10. Z. Gephardt, PI; M. Savelski & G. Hecht, Co-PIs.
- Hecht, G. \$1500 SAIL award to Alison Sudano, Miriam Frasciello, Kymberleigh Romano, Pauline Robinson, and Sophia Sueck to support their travel to the annual General Meeting of the American Society for Microbiology, New Orleans, LA May 21-24, 2011.
- Krufka, A. NSFSG: Investigation of the Urea Cycle in Zebrafish. July 1, 2010 – June 30, 2011. \$4,000.
- Richmond, C. Smithsonian Institution Senior Fellowship, “Ecological and evolutionary constraints on life history strategies in the ctenophore *Mnemiopsis leidyi* in Chesapeake Bay”, 6/2009 -8/2010, \$10,500
- Richmond, C. Rowan NFSG (Non-Salary Financial Support Grant), “Reproductive allocation in the ctenophore *Mnemiopsis leidyi*”, 7/2010 -6/2011, \$6610
- Iftode, C. NSF-RUI (Co-PI). Self-assembling Biomimetic Hydrogels with Bioadhesive Properties for Tissue Engineering Applications. \$425,762. 06/01/2011 – 05/31/2014
- Iftode, C. (submitted May, 2010). Enhancing the Undergraduate STEM Curriculum at Rowan University through a Multidisciplinary Approach that Integrates Biology and Engineering, NSF-TUES, \$198,193. Co-PI with Jennifer Vernengo, Stephanie Farrell, and Cristina Iftode.
- Krufka, A. (submitted May, 2010). Enhancing the Undergraduate STEM Curriculum at Rowan University through a Multidisciplinary Approach that Integrates Biology and Engineering, NSF-TUES, \$198,193. Co-PI with Jennifer Vernengo, Stephanie Farrell, and Cristina Iftode.

## *Biological Sciences*

### *Scholarly Activities*

- Hecht, G., with Miriam Frasciello, Kymberleigh Romano, Alison Sudano, Pauline Robinson, Sophia Sueck, Craig Wiltsey, Samantha Creamer, Brittany Tawes, Gregory Caputo, “Novel Application of the Microtox M500 Analyzer to Compare the Effect of a Defined Membrane Active Toxin on a Panel of Escherichia coli Mutants.” Poster #1892 presented at the annual General Meeting of the American Society for Microbiology, New Orleans, LA May 21-24, 2011
- Hecht, G., with Kymberleigh Romano, Miriam Frasciello, Alison Sudano, Pauline Robinson, Sophia Sueck, Craig Wiltsey, Samantha Creamer, Brittany Tawes, Gregory Caputo, “Evidence of Increased Ethanol Resistance in Mutant Ethanologenic Escherichia coli Resulting from Changes in Membrane Permeability”. Poster #2765 presented at the annual General Meeting of the American Society for Microbiology, New Orleans, LA May 21-24, 2011.
- Holbrook, L. “Cranial and postcranial anatomy of Orohippus (Mammalia Perissodactyla)”. Presented at the seventieth annual meeting of the Society of Vertebrate Paleontology, Pittsburgh, PA, October 10-13, 2010.
- Hough, Gerald E. “Homing pigeons, the hippocampus, and the neural representation of our world: spatial memories in birds and humans.” Presentation at the Cooper University Hospital Neuroscience Grand Rounds, October 29, 2010.
- Hough, G., with Nankoo, Venita P., Baumann, Kimberly M., Brzostowski, Michael R. “Do old pigeons need maps? The effects of aging on pigeon hippocampus spatial responses.” Poster presented at the annual Rowan University S.T.E.M. Symposium, April 15, 2011.
- Iftode, C., with Bodak, P., Cerqueira, N. An ASM-UTF experience: Enhancement of Student Teaching Through a K-12 Microbiology Project. The 18th Annual Conference for Undergraduate Educators of the American Society for Microbiology (ASMCUE), Baltimore, MD, June 2-5, 2011.
- Iftode, C., with Bodak, P., Cerqueira, N. Greener than Kermit the frog: A quest for an eco-friendly antibacterial cleaner. The 13th Annual Rowan Science, Technology, Engineering and Math Student Research Symposium, Glassboro, NJ April 15, 2011.
- Iftode, C., with Toomer, K., Davis, J., English, S., Hess, B., Johnson, B., Vernengo, J. Cell Behavior in Scaffolds Developed for the Intervertebral Disc Tissue Regeneration. The 13th Annual Rowan Science, Technology, Engineering and Math Student Research Symposium, Glassboro, NJ April 15, 2011.
- Krufka, A. and Tahamont, M. (2010). Cystic Fibrosis: A Case Study in Protein Folding, Intracellular Trafficking, and Membrane Transport. Mol. Biol. Cell 21 (Suppl) Abstract No. 993. Presented at American Society for Cell Biology Meeting, Philadelphia, PA December, 2010.
- Srinivasan, D., Cortes, Ruthsabel, Musumeci, Samantha, Shigenobu, Shuji, Kobayashi, Satoru, Stern, David, and Dayalan Srinivasan. “Investigation of the role of Augergine RNA-binding proteins in the reproductive plasticity of the pea aphid, Acyrthosiphon pisum.” Poster presented at the Mid-Atlantic Society for Developmental Biology Meeting, Philadelphia, PA June 3-5, 2011.

# Program Profiles

## *Biological Sciences*

### *Scholarly Activities*

- Tahamont, M. and A. Krufka, “Using a Cystic Fibrosis Case Study to Teach Biological Skills” SCAT National Meeting, San Francisco, CA March, 2011
- Tahamont, M., and A. Krufka, “Using a Cystic Fibrosis Case Study to Teach Biological Skills” ACB National Meeting, Philadelphia, PA December, 2011
- Grove, M. Participant in NSF sponsored Summer Institute on Scientific Teaching. June 5-10, 2011, West Virginia University, Morgantown, WV.
- Holbrook, L. Participant in NSF sponsored Summer Institute on Scientific Teaching. June 5-10, 2011, West Virginia University, Morgantown, WV.
- Iftode, C. Participant in NSF sponsored Summer Institute on Scientific Teaching. June 5-10, 2011, West Virginia University, Morgantown, WV.
- Krufka, A. Participant in NSF sponsored Summer Institute on Scientific Teaching. June 5-10, 2011, West Virginia University, Morgantown, WV.
- O’Brien, T. Participant in NSF Workshop, “Genomics in Education”, Bowie State University, May 6-7, 2011.
- Richmond, C. Participant in NSF sponsored Summer Institute on Scientific Teaching. June 5-10, 2011, West Virginia University, Morgantown, WV.
- Srinivasan, D. Organized departmental seminars (Phyloseminar), which brought together students and faculty to discuss web seminars in phylogenetics, statistics, evolutionary biology, developmental biology, and population genetics. February 25 and April 8, 2011.



## Chemistry and Biochemistry

### List of Degree Programs

- *Undergraduate:* BS Biochemistry, BS Chemistry, BS Physical Sciences/Chemistry and BA Chemistry
- *Graduate:* Joint MA of Subject Matter Teaching with Education

### Students

- Total number of majors : 204

#### Notable Student Awards and Achievements

Name of Student	Award
Angelo Andriola	2010 American Chemical Society Undergraduate Award in Analytical Chemistry
Christopher Bashian	Joined DO program at UMDNJ
Anthony Cirri	American Chemical Society - Southern Jersey Division Award of Excellence Undergraduate
Anthony Cirri	New Jersey Institute of Chemists Students Awards
Anthony Cirri	Joined Ph.D. program in Chemistry at Penn State University
Michael A. Corsello	Rowan University Mark & Barbara Chamberlain Research Award
Andrew S. Gillespie	Rowan University Edward W. Morley Award for Excellence in the Art of Measurement
Brandon Hetzell	Joined Pharm. D. program at School of Pharmacy (LECOM)
Brandon Hetzell	Rowan University Medallion award
Travis Magdaleno	Rowan University College of Liberal Art and Sciences Senior Awards Ceremony
Sarah Misenko	Awarded NSF-REU Summer Fellowship at University of Rochester
Steven Verga	Best Poster at 4th Annual Undergraduate Research Symposium, William Paterson University, Wayne NJ, 2010
William Walsh	Joined Pharm. D. program at South University, Savannah, GA

### Strategic Goals for 2010-2015

#### 2010-2011

- Improve curriculum with more upper level major courses
- Provide more student research opportunities
- Explore highly demanded and interdisciplinary programs, such as BS of Chemical Biology and MS of Biochemical and Biomedical Sciences

#### 2011-2015

- Reach the excellence on innovative educational programs
- Build up more fundable cutting-edge research base
- Develop long-term faculty development plan

# Program Profiles

## Chemistry and Biochemistry

### Permanent Faculty

*Name:* Robert Newland

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Organic Chemistry/Polymer

*Name:* Cathy Yang

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Biochemistry/Medicinal Chemistry

*Name:* Greg Caputo

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Biochemistry/Biophysical

*Name:* Lei Yu

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Analytical Chemistry/Nano Materials

*Name:* Ramanujachary

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Inorganic/Solid State Chemistry

*Name:* Amos Mugweru

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Analytical Chemistry/Biosensor

*Name:* Subash Jonnalagadda

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Organic Chemistry/Synthesis

*Name:* Timothy Vaden

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Physical Chemistry/Biophysical

### Faculty Awards

- Faculty Center Wall of Fame for Teaching Excellence
- Assistant Professor Travel Grant

### Grants

- Chary, CoPI,
  1. "Heavy Metal Contamination in High Way Marking Beads", New Jersey State Department of Transportation, 1/1/2008-6/30/2010, Amount: \$269,142
  2. 'Quantitative Validation of special state of Hydrogen Atoms in Metal Hydrides', Black Light Power Corporation, 6/30/2009-6/30/2010, Amount: \$106,000.

## Chemistry and Biochemistry

### Grants

- Chary: CoPI,
  1. “Heavy Metal Contamination in High Way Marking Beads”, New Jersey State Department of Transportation, 1/1/2008-6/30/2010, Amount: \$269,142
  2. ‘Quantitative Validation of special state of Hydrogen Atoms in Metal Hydrides’, Black Light Power Corporation, 6/30/2009-6/30/2010, Amount: \$106,000
- Yang: PI,
  1. “Design of Pyridine-Containing Drug Analogs”, Combi Blocks, 1/1/2008-12/30/2011, \$100,000
  2. “Vaccine Development of Poison Ivy”, Allergy Foundation , 5/1/2010-6/30/2012, \$14,000
  3. “Molecular Modeling and Optimization of Anti-prostate Cancer Drugs”, DNJ Pharma , 6/15/2011-6/31/2013, \$200,000
- Caputo: PI,
  1. “Structure-Activity Relationship in Host Defense Peptides”, NIH, 2010-2013, \$292,000
 CoPI,
  2. “Porphyrin Based Nanostructures”, ACS-PRF,2009-2011
  3. “Synthesis and Encapsulation of CCK-8”, Rose Pharmaceuticals, 2010-2011, \$110,000
  4. “Synthesis of Active Peptides”, Longevity Biotech, 2010-2011, \$5900
- Yu: PI,
  1. “ Electrochemical reduction of carbon dioxide in designed ionic liquids – Greenhouse gas fixation and conversion”, 2010 Summer Grant Awards of College of Liberal Arts and Sciences, \$3,000
 CoPI,
  2. “Design, Synthesis, Production and Testing of CCK peptides for Drug Delivery Applications”, Rose Pharmaceuticals, LLC, \$110,126
- Jonnalagadda: PI,
  1. “Development of Novel Betulin/Betulinic Acid Derivatives as Anti-Cancer Agents”  
Rowan University NSFSG-2010
 CoPI,
  2. “Development of Hydrogen Based Power Systems for ITS Applications-Phase -I” PI: Venkatram R. Mereddy (University of Minnesota); Northland Advanced Transportation Systems Research Laboratory Research Grant , co-PI: Subash Jonnalagadda
- Mugweru: PI,
  1. Synthesis and characterization of hydrogen containing compounds Blacklight Power Company, 2009-2012 \$104,010

# Program Profiles

## Chemistry and Biochemistry

### Scholarly Activities

#### • Yang

##### *Book*

1. Catherine Yang, Experiments in Biochemistry and Biotechnology, Cengage Learning, 2010

##### *Journal*

2. Li, J.P., Gao, H.L., Chen, Z.Q., Wei, X.P. and Yang, C. F\*, "An Electrochemical Immunosensor for Carcinoembryonic Antigen Enhanced by Self-assembled Nanogold Coatings on Magnetic particles", *Analytica Chimica Acta* , 665, 98-104, 2010.
3. Velusamy, V., Arshak, K., Yang, C. F., Yu, L., Korostynska, O. and Adley, C., "Comparison between DNA immobilization techniques on a redox polymer matrix", *American Journal of Analytical Chemistry*, accepted, 2011

#### • Caputo

##### *Journal*

1. Ivankin A, Livne L, Mor A, Caputo GA, Degrado WF, Meron M, Lin B, Gidalevitz D. (2010) "Role of the conformational rigidity in the design of biomimetic antimicrobial compounds." *Angew Chem Int Ed Engl.* 49(45):8462-5
2. Kuciauskas D, Kiskis J, Caputo GA, Gulbinas V. (2010) "Exciton annihilation and energy transfer in self-assembled peptide-porphyrin complexes depends on peptide secondary structure." *J Phys Chem B.* 114(48):16029-35

#### • Yu

##### *Journal*

1. Irreversible redox reactions of ferrocene / ferrocenium on self-assembled monolayer modified gold electrode in ionic liquid BMIMBF<sub>4</sub>, An D. LE, and Lei Yu, *Journal of the Electrochemical Society*, 2011, vol. 158, page F10-14.
2. Conductivity, Viscosity, and Dissolution Enthalpy of LiNTF<sub>2</sub> in Ionic Liquid BMINTF<sub>2</sub>, Angelo Andriola, Kulwinder Singh, James Lewis, and Lei Yu, *The Journal of Physical Chemistry: B*, 2010, vol. 114, page 11709-11714.
3. Quantitative gold nanoparticle analysis methods: A review, Lei Yu and Angelo Andriola, *Talanta*, 2010, vol. 82, page 869-875.

#### • Jonnalagadda

##### *Book Chapter*

1. Jonnalagadda, S. C.; Corsello, M. A.; Hetzell, B. R.; Mereddy, V. R. "Synthetic Applications of Suzuki-Miyaura Cross Coupling Reaction" in "Boron Science: New Technologies & Applications" Ed. Hosmane, N. R. CRC Press. 2010.
2. Jonnalagadda, S. C.; Cirri, A. Kumar, J. S.; Mereddy, V. R. "Asymmetric Allylation of Carbonyl Compounds via Organoboranes" in "Boron Science: New Technologies & Applications" Ed. Hosmane, N. R. CRC Press. 2010.

## Chemistry and Biochemistry

### Scholarly Activities

#### • Jonnalagadda

##### *Journal*

3. Tekkam, S.; Alam, M. A.; Jonnalagadda, S. C.; Mereddy, V. R. "Novel methodologies for the synthesis of functionalized pyroglutamates." *Chem. Commun.* 2011, 47, 3219-3221.
4. Jonnalagadda, S. C.; Verga, S. R.; Patel, P. D.; Reddy, A. V.; Srinivas, T.; Scott, P. M.; Mereddy, V. R. "Novel methodologies for the synthesis of functionalized lipophilic carboranes." *Applied Organometallic Chemistry*, 2010, 24, 294-300.
5. Kumar, J. S.; Bashian, C. M.; Corsello, M. A.; Jonnalagadda, S. C.; Mereddy, V. R. "Development of practical methodologies for the synthesis of functionalized benzoboroxoles." *Tetrahedron Lett.* 2010, 51, 4482-4485.
6. Kumar, J. S.; Jonnalagadda, S. C.; Mereddy, V. R. "An efficient boric acid-mediated preparation of  $\alpha$ -hydroxyamides." *Tetrahedron Lett.* 2010, 51, 779-782.

#### • Mugweru

##### *Journal*

1. Zuliang Shen; Amos Mugweru "Electrochemistry of protein and redox polymers trapped in polyethylene glycol diacrylate" *Journal of Undergraduate Chemistry Research*, 9, 1-5, 2010
2. Nathaniel Havens, Phong Trihn, Daniel Kim, Manelich Luna, Adam K. Wanekaya, Amos Mugweru "Redox polymer covalently modified multiwalled carbon nanotube based sensors for sensitive acetaminophen and ascorbic acid detection", *Electrochimica Acta*, 55, 2186-2190, 2010
3. Sagar Tolani, Michael Craig, Mugweru, Amos, Wanekaya A: "Rapid and Efficient Removal of Heavy Metal Ions From Aqueous Media Using Cysteine-Modified Polymer Nanowires" *Journal of Applied Polymer Science*, 116 (1) 308-313, 2010
4. Ahmed, Jahangeer; Trinh, Phong; Mugweru, Amos.; Ganguli, Ashok K Self-assembly of copper nanoparticles (cubes, rods and spherical nanostructures): Significant role of morphology on hydrogen and oxygen evolution efficiencies, *Solid State Sciences* 13, 855-86, 2011,
5. Ahmed, Jahangeer; Mugweru, Amos, Trinh, Phong; Ramanujachary, Kandalam; Lofland Jr., Samuel; Gupta, Govind; Ganguli, Ashok, Binary Fe-Co Alloy Nanoparticles Showing Significant Enhancement in Electro-Catalytic Activity Compared to Bulk Alloys, *The Journal of Physical Chemistry* vol. 114, pp. 18779-18784, 2010.
6. Amos Mugweru, Aparna Ganguly, Phong Trinh, K. V. Ramanujachary, Tokeer Ahmad, and Ashok K Ganguli, Reverse micellar based synthesis of ultrafine MgO nanoparticles (8-10 nm): characterization and catalytic properties. *Journal of Colloid & Interface Science*, vol. 353, pp. 137-142, 2011
7. Jahangeer Ahmed, Amos M. Mugweru, \*Phong Trinh, , Kandalam V. Ramanujachary, Samuel E. Lofland, and Ashok K. Ganguli, Electrochemical and magnetic properties of an unusual nanostructure in the Cu-Co system: A biphasic (composite) core and a monophasic (alloy) shell. *Journal of Solid state science*, submitted, 2011

# Program Profiles

## Chemistry and Biochemistry

### Conference

#### • Yang

##### *Proceeding*

1. Velusamy, V., Arshak, K., Yang, C.F., Yu, L., and Korostynska, O., “Label-free Detection of Bacillus Cereus DNA Hybridization Using Electrochemical Impedance Spectroscopy for Food Quality Monitoring”, IEEE SAS Proceedings, February, 24, 2010
2. Yang, C. F., “DPPIV as a Target for Anti-diabetes Drug Design”, Drug Research and Development Conference, April 30, Princeton, New Jersey.

#### • Caputo

1. Arotsky, L. †, Urban, M. †, and Caputo, G.A. “INVESTIGATION OF A SEQUENCE-MODIFIED ANTIMICROBIAL PEPTIDE” *Biophys. J.*, 98(3) (2010) 1450-Pos
2. Caputo G.A. and Kuciauskas, D., “Development of Artificial Antennas from the Self-Assembly of Peptide-Porphyrin Complexes” 41st Middle Atlantic Regional Meeting (MARM) of the American Chemical Society (2010)
3. Arotsky, L. †, Hagens, L. †, and Caputo, G.A. “Effects of Amino Acid Sequence on Structure, Membrane Binding, and Activity of an Antimicrobial Peptide” 41st Middle Atlantic Regional Meeting (MARM) of the American Chemical Society (2010)
4. Bauer, D. †, Nixon, B. †, and Caputo, G.A. “Effects of Ionizable Amino Acids in the Hydrophobic Core of Model Transmembrane  $\alpha$ -helices” 41st Middle Atlantic Regional Meeting (MARM) of the American Chemical Society (2010)
5. Hagens, L. †, Warner †, M., Recca †, M., Kuciauskas, D., and Caputo, G.A. “Artificial photosynthetic antennas from the self-assembly of peptide-porphyrin complexes” 240th ACS National Meeting (2010)
6. Warner, M. †, Hagens, L. †, Recca, M. †, Kuciauskas D., Caputo, G.A.” Characterization of Self Assembled Peptide Porphyrin Complexes as Light Harvesting Antennas” 55th Annual Meeting of the Biophysical Society (2011)
7. Arotsky, L. †, Yawson, E. †, Hagens, L. †, Urban, M. †, Caputo, G.A. ” Antimicrobial Peptides which Exhibit Lipid Composition Dependent Membrane Binding and Sequence Dependent Efficacy of Bacteriolysis” 55th Annual Meeting of the Biophysical Society (2011)
8. Frasciello, M.P. †, Romano, K. A. †, Sudano, A.M. †, Robinson, P. †, Sueck, S.E. †, Wiltsey, C.T. †, Creamer, S.E. †, Tawes, B.R. †, Caputo, G.A., Hecht G.B., “Novel Application of the Microtox M500 Analyzer to Compare the Effect of a Defined Membrane Active Toxin on a Panel of Escherichia coli Mutants” 111th General Meeting of the American Society for Microbiology (2011)
9. Romano, K. A. †, Frasciello, M.P. †, Sudano, A.M. †, Robinson, P. †, Sueck, S.E. †, Wiltsey, C.T. †, Creamer, S.E. †, Tawes, B.R. †, Caputo, G.A., Hecht G.B., “Evidence of Increased Ethanol Resistance in Mutant Ethanolgenic Escherichia coli Resulting from Changes in Membrane Permeability” 111th General Meeting of the American Society for Microbiology (2011)
10. Caputo G.A. and Kuciauskas, D., “Self-assembly of pH dependent peptide-porphyrin nanostructures” 42nd Middle Atlantic Regional Meeting (MARM) of the American Chemical Society (2011)

## Chemistry and Biochemistry

### Conference

#### • Yu

1. Preparation and Characterization of a Polyaniline Dispersion in an Ionic Liquid Evan Margareta and lei Yu, Rowan University S.T.E.M. Symposium, April 15, 2011; Annual SJACS Undergraduate Research Poster Session, Glassboro, NJ, April 19, 2011.
2. Gold Nanoparticle Analysis with Stripping Voltammetry, Atomic Absorption Spectroscopy, and ICP-MS, Andrew Gillespie, Dave Jao, Tyler Duda, Angelo Andriola, Hunter Sacco and Lei Yu, Rowan University S.T.E.M. Symposium, April 15, 2011; Annual SJACS Undergraduate Research Poster Session, Glassboro, NJ, April 19, 2011.
3. Catalytic Electrochemical Reduction of CO<sub>2</sub> in Ionic Liquid EMIMBF<sub>3</sub>Cl, Laura Snuffin, Louis Whaley and Lei Yu, Rowan University S.T.E.M. Symposium, April 15, 2011; Annual SJACS Undergraduate Research Poster Session, Glassboro, NJ, April 19, 2011.
4. Catalytic Electrochemical Reduction of CO<sub>2</sub> in Designed Ionic Liquid, Lei Yu, 43rd Middle Atlantic Regional Meeting 2011, University of Maryland, College Park, MD, May 21-24, 2011.

#### • Mugweru

1. Kong, John and Amos Mugweru, Magnetic nanoparticles for drug delivery applications, 42nd Middle Atlantic Regional Meeting of the American Chemical Society (MARM), College Park, MD, United States, May 21-24, 2011
2. Iuliucci, Marc and Amos Mugweru, Cytochrome c Catalysis of Reaction Between Ferrous Sulfate and Hydrogen Peroxide, 42nd Middle Atlantic Regional Meeting of the American Chemical Society (MARM), College Park, MD, United States, May 21-24, 2011
3. Amos Mugweru and Do, Nguyet, Electrochemical glucose sensor: Redox polymer in  $\alpha$ -cyclodextrin inclusion, 42nd Middle Atlantic Regional Meeting of the American Chemical Society (MARM), College Park, MD, United States, May 21-24, 2011
4. Mugweru Amos and Marc Iuliucci "Glucose sensor based on Redox Polymer in  $\alpha$ -cyclodextrin inclusion on Glassy Carbon Electrode" Book of Abstracts, Pittsburgh Conference (PITTCO), Atlanta, Georgia, United States, March 13- March 18, 2011
5. Amos Mugweru and Phong; Trihn Multiwalled carbon nanotube (MWCNT) modified with Os(bipyridine)<sub>2</sub>Cl]-co-ethylamine (POs-EA) for analysis of acetaminophen and ascorbic acid, 240th American Chemical Society Meeting, Boston Massachusetts, United States, August 22-26, 2010.
6. Kwon, Seo-Young; Mugweru, Amos Detection of PSA antigen on carbon nanotubes using fluorescence microscopy 41st Middle Atlantic Regional Meeting of the American Chemical Society, Wilmington, DE, United States, April 10-13 2010
7. Kong, John; Mugweru, Amos, Synthesis and characterization of magnetic nanoparticles for drug delivery applications, 41st Middle Atlantic Regional Meeting of the American Chemical Society, Wilmington, DE, United States, April 10-13 2010
8. Iuliucci, Marc, and Mugweru, Amos, Self assembled multilayer films of cytochrome C and DNA for bio-activation studies, 41st Middle Atlantic Regional Meeting of the American Chemical Society, Wilmington, DE, United States, April 10-13 2010

# Program Profiles

## Chemistry and Biochemistry

### Conference

- Mugweru

9. Trinh, Phong and Mugweru, Amos Electrochemical sensors based on poly[4-vinylpyridine Os(bipyridine)<sub>2</sub>Cl]-co-ethylamine on glassy carbon electrode for glucose analysis, 41st Middle Atlantic Regional Meeting of the American Chemical Society, Wilmington, DE, United States, April 10-13 2010
10. Mugweru Amos and Shen Zuliang “Sensitive methods for detection of acetaminophen and hydrogen peroxide using redox polymers and heme proteins trapped in hydrogel” Book of Abstracts , Pittsburgh Conference, Orlando, FL, United States, Feb 27- March 5, 2010

### Other Departmental Accomplishments

- National ETS Test for 2011 graduates, May 10, 2011
- Rowan Science day, April 8, 2011
- ACS-South Jersey Chapter Student Poster, April 18, 2011

#### *Science Day – March 26, 2011*

The fifth annual Rowan Sciences Day was held here on campus on March 26, 2011. The event hosted ~110 high school students from 10 schools in our area including Gloucester, Camden, and Cumberland counties. The event showcased five departments at Rowan: Biological Sciences, Chemistry & Biochemistry, Computer Science, Mathematics, and Physics & Astronomy. Students in attendance visited demonstrations in three of these departments based on their specific interests. The Chemistry and Biochemistry department provided hands-on demonstrations for the students that encompassed chromatography, spectroscopy, electrochemistry, polymer chemistry, and biochemistry. The chemistry and Biochemistry department demonstrations were, on average, ranked the highest in satisfaction by students who filled out a survey at the end of the day. The organizing committee was co-chaired by Gerald Hough (Biological Sciences) and Greg Caputo (Chemistry and Biochemistry).





## Computer Science

### List of Degree Programs

- *Undergraduate:* BS Computer Science, BS/MS Accelerated Degree
- *Graduate:* BS/MS Accelerated Degree, MS Computer Science Degree
- *COGS:* Networks, Software Engineering, Web Development

### List of Minors/Concentrations

- Computer Science Minor
- Specializations: Software Engineering, Networking and Operating Systems, Information Technology, Programming Languages and Compilers, Artificial Intelligence

### Students

- Majors: 2010/2011
  - BS: 233 (Nationally Accredited by ABET)
  - BS/MS: 10
  - MS/BS: 2
  - MS: 10

### Strategic Goals for 2010-2015

#### 2010-2011

- Advertise MS and COGS
- Submit bioinformatics whitepaper to BOT
- Write self-study document for fall 2012 ABET reaccreditation visit and obtain funding for reaccreditation from the Dean

#### 2011-2015

- Offer all graduate courses standalone (non-collocated)
- Offer during a two-year period all the courses in at least one COGS
- Offer BA Applied Computing degree in the department as part of a 3+4 BA/MD

#### Additional Strategic Goals

- Encourage undergraduates to apply for the BS/MS program
- Continue developing LiBBY (freshman learning community)
- Implement degree completion program at Cumberland County College
- Develop and deliver online service courses for CGCE

# Program Profiles

## Computer Science

### Permanent Faculty

*Name:* Khaled Amer

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Theoretical Computer Science

*Name:* Ganesh Baliga

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Machine learning, object oriented design & modeling, Web computing

*Name:* Seth D. Bergman

*Highest degree(s) attained:* M.S.E.

*Rank:* Associate Professor

*Area(s) of Expertise:* Programming language design and implementation, data locality in sorting algorithms

*Name:* Joel M. Crichlow

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Distributed Systems: management of replicas, transaction processing protocols

*Name:* Stephen Hartley

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Computer science education, concurrent programming, operating systems

*Name:* Vasil Y. Hnatyshin

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Quality of service in IP and wireless networks, computer and network security

*Name:* Gabriela Hristescu

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Computational biology, databases, parallel and distributed computing, artificial intelligence

*Name:* Jennifer Kay

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Robotics, artificial intelligence, human-computer interaction, computers and the elderly, cryptography, Computer Security

*Name:* Andrea F. Lobo

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Wireless networks, protocols & applications, internet protocols & applications, computer network performance, systems modeling and simulation

*Name:* Darren F. Provine

*Highest degree(s) attained:* M.A.

*Rank:* Instructor

*Area(s) of Expertise:* Human-computer interaction, web programming

## Computer Science

### Permanent Faculty

*Name:* John Robinson

*Highest degree(s) attained:* Ed.D.

*Rank:* Professional Staff

*Area(s) of Expertise:* Computer networking, Web/CGI programming, object-oriented design & programming, wireless technology, hardware design/VHDL, computer science education

*Name:* Adrian S. Rusu

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Information visualization, human-computer interaction, algorithms, graph theory, computer graphics, computer animation, computer security, digital watermarking

*Name:* Jerome F. Spencer

*Highest degree(s) attained:* M.B.A.

*Rank:* Professional Staff

*Name:* Bernard P. Sypniewski

*Highest degree(s) attained:* J.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Computation linguistics, artificial intelligence, bioacoustics

*Name:* Nancy L. Tinkham

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Artificial intelligence, theoretical computer science, inductive logic programming, computational linguistics, computer science education

*Name:* Leigh Weiss

*Highest degree(s) attained:* M.S.

*Rank:* Associate Professor

*Area(s) of Expertise:* FPGA, Design

*Name:* Jianning Xu

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Computer image processing, pattern recognition, mathematical morphology

# Program Profiles

## Computer Science

### Grants

- Jennifer Kay

1. The National Science Foundation Grant # 1123550 (Dr. Kay co PI with Tom Lauwers) “Robot Hoedown & Rodeo at SIGCSE 2011” February 1, 2011-July 31, 2011 \$6,283
2. IRobot- gift of \$4336.89 for roboto rodeo at SIGCSE 2011- (Dr. Kay co PI with Tom Lauwers)
3. Google(CS4HS Program) \$15,000 (Jennifer Kay PI)
4. Computer Research Associations Committee on the Status of Women in Computing Resarch (CRA-W) Travel grant \$900.00, March 2011
5. Jennifer Kay and Hong Kzhan-Pro Computer Services Sponsorship of FIRST LEGO League Competition: \$500, December 2010

- Adrian Rusu

1. Visualization and Software Engineering Strategies for Tactical Decisions Advances, Mission Solutions Engineering (MSE), \$425,000, 01/2011 – 12/2013.
2. Visualization and Software Engineering Strategies for Tactical Decisions Advances, Mission Solutions Engineering (MSE), \$100,620, 01/2010 – 12/2010.
3. Advanced Visualization Techniques for Analyzing Flight Conflict Probe Tools, Federal Aviation Administration (FAA), \$111,000, 11/2009 – 11/2010.

- Vasil Hnatyshin

1. OPNET, Inc- software Licenses(cost of licenses exceeds \$2,000,000.00) (30 each of the following) IPV6 Specialized Model, IT Guru, OPNET Modeler, Application Characterization Environment Module, MPLS Specialized Model, Terrain Modeling Module, Wireless Module and (5) 802.16 Specialized Model. This software is being used in Data Communications, TCP/IP and Internet Technologies and Introduction to Systems Simulation Modeling courses.

- John Robinson

1. IBM Academic Initiative Program, \$25,000, perpetual
2. “Integrating Embedded Systems Programming into Computer Science Education”, Aldec Inc., University Program, \$3500.

- Andrea Lobo and Ganesh Baliga

1. “Teaching Algorithm Design: A project-based curriculum” Submitted to: NSF’s Transforming Undergraduate Education in Science (TUES) grant program, May 2011

## Computer Science

### Scholarly Activities

- Jennifer Kay
  1. “Contextualized Approaches to Introductory Computer Science: The Key to making computer Science Relevant or Simply Bait and Switch?” SIGCSE 2011 -42 An (Dr. Jennifer Kay)
- Jianning Xu
  1. “Shape Matching Using Morphological Shape Components and Relaxation Labeling.” Proceedings of 2010 International Conference on Image Processing, Computer Vision, and Pattern Recognition, July 12-15 2010, Las Vegas, Nevada
  2. “Shape Matching Using Both Internal and External Morphological Shape Components.” Accepted by the International Conference on Image Processing, Computer Vision, and Pattern Recognition, July 18-21 2011, Las Vegas, Nevada
- John Robinson
  1. (In Press). Digital Hardware Design using VHDL and Aldec Active HDL, Consortium for Computing Sciences in Colleges.
- Gabriela Hristescu
  1. Springer Book Series: Advances in Experimental Medicine and Biology  
Book Title: Software Tools and Algorithms for Biological Systems  
Chapter 7: Microarray database mining and cell differentiation defects in schizophrenia. pp 696:67-74, 2011  
Authors: Radu A, Hristescu G, Katsel P, Haroutunian V, Davis KL.

### Conference

- Jennifer Kay
  1. Co-Chair Robot Rodeo and Hoedown, SIGCSE2011, March 10-12, 2011  
Presented “Contextualized Approaches to Introductory Computer Science: The Key to Making Computer Science Relevant or Simply Bait and Switch?” at SIGCSE 2011, the 42nd ACM Technical Symposium on Computer Science Education, TX March 10, 2011 Presenter, Media Computation BoF at SIGCSE 2011, the 42nd ACM Technical Symposium on Computer Science Education, TX March 10, 2011
- Vasil Hnatyshin
  1. University of Delaware SIGNET group seminar, “Improving AODV route discovery through GPS coordinates.” November 3, 2010.
- Adrian Rusu
  1. Information Visualization: Presentation and Interaction. Invited Polycom lecture. Old Dominion University, March 2011.
  2. Learning Software Engineering Basic Concepts using a Five-Phase Game. 40th Annual ASEE/IEEE Frontiers in Education Conference (FIE 2010), Washington D.C., October 2010.

# Program Profiles

## *Computer Science*

### *Conference*

- Adrian Rusu

1. A Visualization Tool for Analysis of Air Traffic Management Scenarios and Automation. AIAA Modeling and Simulation Technologies Conference (M&ST), Toronto, Canada, August 2010.
2. System for Performance Analysis of Priority-based Radar Schedulers, with Christopher Bartley, Robert Russell, Daniel Urbano, and Stephen Cirner. Proceedings 2011 IEEE International Systems Conference (SysCon 2011).
3. Learning Software Engineering Basic Concepts using a Five-Phase Game, with Robert Russell, John Robinson, and Amalia Rusu. Proceedings 40th Annual ASEE/IEEE Frontiers in Education Conference (FIE 2010).
4. Dynamic Visualizations for Soccer Statistical Analysis, with Doru Stoica, Edward Burns, Benjamin Hample, Kevin McGarry, and Robert Russell. Proceedings 14th International Conference on Information Visualization (IV 2010), IEEE Computer Society, pages 207-212, 2010.
5. A Visualization Tool for Analysis of Air Traffic Management Scenarios and Automation, with Andrew Crowell, Confesor Santiago, Nicole Nelson, and Juan Carde. Proceedings AIAA Modeling and Simulation Technologies Conference (M&ST 2010), 2010.
6. System for Performance Analysis of Priority-based Radar Schedulers, with Christopher Bartley, Robert Russell, Daniel Urbano, and Stephen Cirner. Proceedings 2011 IEEE International Systems Conference (SysCon 2011).
7. Learning Software Engineering Basic Concepts using a Five-Phase Game, with Robert Russell, John Robinson, and Amalia Rusu. Proceedings 40th Annual ASEE/IEEE Frontiers in Education Conference (FIE 2010).
8. Dynamic Visualizations for Soccer Statistical Analysis, with Doru Stoica, Edward Burns, Benjamin Hample, Kevin McGarry, and Robert Russell. Proceedings 14th International Conference on Information Visualization (IV 2010), IEEE Computer Society, pages 207-212, 2010.
9. A Visualization Tool for Analysis of Air Traffic Management Scenarios and Automation, with Andrew Crowell, Confesor Santiago, Nicole Nelson, and Juan Carde. Proceedings AIAA Modeling and Simulation Technologies Conference (M&ST 2010), 2010.

### *Other Scholarly Activity*

- Nancy Tinkham

1. Nancy Tinkham, along with Shreekanth Mandayam and thesis advisor Robi Polikar, served on the thesis defense committee for Ryan Elwell. The thesis was titled “Learning in Non-Stationary Environments”.

- Stephen Hartley

1. Stephen Hartley and Joel Crichlow supervised a student research project “Combining Optimism and Pessimism in Accessing Replicas.”

## Computer Science

### Other Scholarly Activity

- Vasil Hnatyshin
  1. Widener University, Computer Science club meeting. “Opportunities after graduation: Master’s degree?” October 2010.
  2. Technical reviews: Computer Networks Journal, International Journal of Network Management, International conference on Modeling and Simulation 2010, University of West Indies Master’s Thesis and International Workshop on Simulation Models and Techniques for Intelligent Mobility (SIMTIM 2011).
- Jennifer Kay
  1. Reviewer: SIGCSE 2011: ACM Technical Symposium on Computer Science Education, September 2010
  2. Media Appearance: “Through the Lens” Learning to Make Robots Dance,” CBS Dallas, <http://video.dallas.cbslocal.com/global/video/flash/popupplayer.asp?ClipID1=5651076>
  3. Media Appearance: “Robot Competition Allows Children to Invent , Explore,” Courier Post: Dec 5, 2010.
  4. Workshop for middle school teachers: “Start Your Own Robotics Club: LEGO Mindstorms Programming for Absolute Beginners,” June 28-30, 2011 <http://elvis.rowan.edu/~kay/cs4hs/>
  5. Webpage Development: SIGCSE 2011 Robot Hoedown & Rodeo: <http://elvis.rowan.edu/~kay/sigcse/>
  6. Developed Instructional Material for Institute for Personal Robots in Education (PRE)  
Web site: <http://wiki.roboteducation.org/>
  7. Co-Chair: Rowan University FIRST LEGO League Qualifier- brings approximately 100 middle school students to campus as part of an international event, <http://www.rowan.edu/firstleg>
  8. The Rowan University FIRST Lego League Qualifying event for high school students was held December 2009. Co-chair.
- Andrea Lobo
  1. Commissioner of ABET’s Computing Accreditation Commission
  2. Member of the Advisory Council for Williamstown High School Computer Science Academy
- John Robinson
  1. “Leveraging Hardware Description Languages and Spiral Curriculum in an Introductory Computer Architecture Course”. Consortium for Computing Sciences in Colleges (CCSCNE) North Eastern Conference, April 2010, West Hartford, CT.

# Program Profiles

## Computer Science

### Other Scholarly Activity

- Adrian Rusu

*Media Coverage:*

1. Research flourishes at Rowan University. Rowan Website. April 29, 2011.
2. Rowan extends defense contract. Gloucester County Times (online edition). February 13, 2011.
3. (Front Page) MSE Renews Partnership with Rowan University Computer Science Team. MSE Website. February 10, 2011.
4. MSE, Rowan University renew partnership for computer science research. Rowan Website. February 9, 2011.
5. Computer Science students for their contribution to MSE's real-world projects. CLAS Website. February 1, 2011.
6. MSE-Rowan Collaboration. CLAS Annual Report 2009-2010.
7. Locals using computers to change world's favorite sport. Rowan Website. November 12, 2010.
8. Locals using computers to change world's favorite sport. Channel 6 ABC Philadelphia. November 11, 2010, 5:56AM.
9. Locals using computers to change world's favorite sport. Associated Press. November 11, 2010.
10. GOOOAAL! Rowan students scoring with computer science. CLAS Website. October 12, 2010.
11. Rowan University grad students design new soccer coaching tool that creates virtual players from real-world data. Press of Atlantic City, October 12, 2010.
12. GOOOAAL! Rowan students scoring with computer science. ACM TechNews, October 4, 2010.
13. GOOOAAL! Rowan students scoring with computer science. newswise, September 30, 2010.
14. GOOOAAL! Rowan students scoring with computer science. Rowan Website, September 30, 2010.

*Professional Services:*

1. Reviewer, 41st Annual ASEE/IEEE Frontiers in Education Conference (FIE 2011), Rapid City, SD, October 2011.
2. Reviewer, 15th International Conference on Information Visualization (IV 2011), London, England, July 2011.
3. Reviewer, 16th ACM Annual Conference on Innovation and Technology in Computer Science Education (ITiCSE 2011), Darmstadt, Germany, June 2011.
4. Reviewer, International Conference on Computer Vision Theory and Applications (VISAPP 2011), Algarve, Portugal, March 2011.
5. Member, International Program Committee, International Conference on Computer Vision Theory and Applications (VISAPP 2011).
6. Reviewer, INNOVATIONS 2011: World Innovations in Engineering Education and Research (iNEER).
7. Reviewer, 42nd ACM Technical Symposium on Computer Science Education (SIGCSE 2011), Milwaukee, WI, March 2011.
8. Reviewer, Journal of Graph Algorithms and Applications (JGAA), 2010.
9. Reviewer, Junior Faculty Innovative Teaching Program, Rowan University, August 2010.
10. Permanent Member, Organizing Committee, International Conference on Information Visualization (IV), 2010.
11. Chair of Conference Track - International Symposium Applications of Graph Theory (AGT), International Conference on Information Visualization (IV), 2010.



## Computer Science

### Notable Student Achievements

- Nancy Tinkham and Darren Provine. Two Rowan Teams competed (coached by Nancy Tinkham and Daren Provine) at the ACM Mid-Atlantic Programming Contest. Rowan Green placed first among the teams at the Washington College site. In overall scoring Rowan Green placed 22 out of 157 teams.
- Dan Urbano co- presented a paper at the 4th IEEE International Systems Conference. “System for Performance Analysis of Priority based Radar Schedulers”
- Robert Russell, Daniel Urbano, Jonathan Schuff, Shahid Akhter Stephen Cirner under advisement by Dr. Rusu –STEM POSTER PRESENTATION “Dynamic Visualizations of the Behavior of a Tactical System.”
- Bryan Petzinger, Andrew Crowell, Andrew Fabian under advisement by Dr. Adrian Rusu–STEM POSTER PRESENTATION “PIEVis: Interactive Graphic Visualization Using Rings-Based Tree Drawing Algorithm for Children and Crust Display for Parents.”
- Robert Russell, Daniel Urbano, Stephen Cirner, Malik Ahmed, Remo Cocco, Tyler Boswick, Chris Lewark under advisement by Dr. Rusu–STEM POSTER PRESENTATION “System for Performance Analysis of Priority-based Radar Schedulers.”
- Andrew Fabian, Radu Jianu (Brown University) under advisement by Amalia Rusus (Fairfield University) and Dr. Adrian Rusu–STEM POSTER PRESENTATION “Using the Gestalt Principle of Closure to Alleviate the Edge Crossing Problem in Graph Drawings.”
- Kevin Freisen, Shadhid Akhter, Stacey Montresor under advisement of Dr. Rusu –STEM POSTER PRESENTATION “Data Driven Decision Aid”
- Spence DiNicolantonio, Robert Russell under advisement of Dr. Rusu –STEM POSTER PRESENTATION “Abstract Camera Controller for Three-Dimensional Visualizations”
- Nicole Nelson, Richard Jassel (College of Electrical and Computer Engineering), David Carbonetta (College of Mechanical Engineering) and Jonathan Schuff under advisement of Dr. Rusu –STEM POSTER PRESENTATION “An Automated Method of Creating a Story Reel Animation Based on Dynamic User Input”
- Stacey Montresor, Jonathan Schuff under advisement of Dr. Kay and Michael Tokic (University of Ravensburg-Weingarten) –STEM POSTER PRESENTATION “BabyBot: A Robot That Teachers Itself to Walk”
- Edward Burns under advisement of Doru Stoica (University of Craiova, Romania) and Dr. Rusu –STEM POSTER PRESENTATION “Analyzing Soccer Goalkeeper Performance using a Metaphor-Based Visualization.”
- Patrick McKee, Malik Ahmed, Dave Leonhardt (Dept of Mathematics) under advisement of Dr. Tinkham –STEM POSTER PRESENTATION “Rationalizing Real World Stimulus for Artificial Results”
- Kevin Freisen, Tim Sanders under advisement of Dr. Kay –STEM PRESENTATION “Trends in AP Computer Science Participation in NJ”

# Program Profiles

## *Computer Science*

### *Notable Student Achievements*

- Robert Russell, Andrew Fabian, Edward Burns under the advisement of Dr. Rusu- STEM POSTER PRESENTATION “Simulating the Software Engineering Interview Process using a Decision-Based Serious Computer Game”
- Robert Russell, Remo Cocco, Spence DiNicolantonio under the advisement of Dr. Rusu- STEM POSTER PRESENTATION “Introducing Object Oriented Design Patterns through a Puzzle-Based Serious Computer Game”
- Benjamin Hample, Kevin McGarry, Robert Russell advised by Adrian Rusu: Dynamic Visualizations for Soccer Statistical Analysis, IV 2010, London, England, August 2010
- Daniel Urbano advised by Adrian Rusu: System for Performance Analysis of Priority-based Radar Schedulers, SysCon 2011, Montreal, Canada, April 2011
- Dr. Rusu’s Course had another semester of outstanding course outcomes: thirteen students (two teams) from the Spring 2011 Software Engineering I/Lab, were recognized with certificates of appreciation for their contribution to real-world projects. Teams took their respective projects from an initial half-page vague description to a working useful software product. Classroom environment and student activities were based on instructor’s SEA 05 peer-reviewed publication. Pictures from the awards ceremony are available here: <http://elvis.rowan.edu/~rusu/TEMP/MSE/>

### *Other Departmental Accomplishments*

- Darren Provine
  1. The 24th Annual Rowan University Programming Contest for high school students was held in April 2010. 79 students with their coaches attended. Director.
- Seth Bergmann
  1. Took a group of students from Cryptography class to the National Cryptologic Museum where we were given a tour by a National Security Agency retiree.
- John Robinson
  1. The STEM (Science Technology Engineering Mathematics) Academy at Rowan is a 6 week pre-STEM summer academy for students interested in majoring in Computer Science or Engineering at Rowan University
  2. Facilitating Academic Triumph by Providing an Integrated Pipeline Experience (FATPIPE), was established to provide opportunities for increased participation of underrepresented students, and increased retention and graduation rates. FATPIPE is comprised of components designed to facilitate the success of students entering the Computer Science major.

## *Computer Science*

### *Other Departmental Accomplishments*

- Jennifer Kay
  1. T.A.S.T.E. of C.S.: Treating all Students to the Experience of Computer Science (with Co-PI Jill Perry in Education)
  2. Collaborative Proposal: Calico: A Multi-Language, Multi-Context Environment for Learning Computing (with Doug Blank at Bryn Mawr College; Jim Marshall, Sarah Lawrence College, Keith O’Hara, Bard College; Mark Russo, Bristol-Myers Squibb)
- Joel Crichlow
  1. Supervision of student senior project “Combining Optimism and Pessimism in handling transactions in a Distributed System”.

# Program Profiles

## English

### List of Degree Programs

- B.A. in English

### List of Minors/Concentrations/Sequences

- Minor in English
- Liberal Studies sequence in English

### Students

- Number of majors: 470
- Number of minors: 7
- 67 registered sequencers (more taking courses)

#### Notable Student Achievements:

Name of Student	Achievement
Kristen Brozina	Book release: <i>The Reading Promise</i>
Chanelle Wilson	Finishing up Fulbright year in South Africa (created a library in impoverished township)

### Strategic Goals for 2010-2015

2010-2015

- Invite English alumni to campus to take part in special events
- Continue to bring in prestigious and emerging writers as part of Norton Reading Series
- Start Children's Literature Reading series, bringing in one Newbury Award winner each spring

### Permanent Faculty

*Name:* Nathan Carb

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Shakespeare; Drama; Modern  
Modern European Literature

*Name:* Glenn Odom

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* World Drama; African Literature

## English

### Permanent Faculty

*Name:* Tanya Clark

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* African-American and Women's  
Literature

*Name:* Joseph Coulombe

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Late 19th century American Literature;  
Native American Literature

*Name:* William Freind

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Modern and Contemporary Poetry

*Name:* Zena Meadowsong

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* British Modernism

*Name:* Catherine Parrish

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* 19th century American  
Literature

*Name:* Lee Talley

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Victorian Literature;  
Children's and Young Adult  
Literature

*Name:* Timothy Viator

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Shakespeare; British  
Literature; American Drama

### Faculty Awards

- Dr. Lee Talley, Hall of Fame award for excellence in teaching, May 2010.
- Dr. Timothy Viator, Hall of Fame award for excellence in teaching, May 2010. Dr. Viator has received this award every year for over 10 years.

### Grants

- The English Department was included as a partner in the IMPACT grant administered by Dr. Janet Caldwell, Department of Mathematics
- Dr. Glenn Odom received a Fulbright to travel and study in Nigeria for Fall 2010.
- Dr. Lee Talley received a CLAS Summer Grant for 2010.

# Program Profiles

## English

### Scholarly Activities

- Tanya Clark:

*Conference Panel Organizer and Moderator*

1. "Pedagogical Approaches to Pauline Elizabeth Hopkins," sponsored by the Pauline Hopkins Society, American Literature Conference, Boston, MA. May 26-29, 2011.
2. "Pauline Elizabeth Hopkins and Expected/Unexpected Pairings," sponsored by the Pauline Hopkins Society, American Literature Conference. Boston, MA, May 26-29, 2011.

- Joseph Coulombe:

*Books*

1. Reading Native American Literature. Oxford: Routledge Press, 2011.

*Articles*

2. "Writing for Connection: Cross-Cultural Understanding in James Welch's Historic Fiction." Reprinted in Bloom's Modern Critical Views: Native American Writers – New Edition. Ed. Harold Bloom. New York: Infobase Publishing, 2010. 229-250
3. "The Approximate Size of His Favorite Humor: Sherman Alexie's Comic Connections and Disconnections in The Lone Ranger and Tonto Fistfight in Heaven." Reprinted in Bloom's Modern Critical Views: Native American Writers – New Edition. Ed. Harold Bloom. New York: Infobase Publishing, 2010. 93-114.

*Conference Paper*

4. "Teaching Native American Literature." Northeast Modern Language Association Convention, New Brunswick, NJ (2011).

- Freind, William:

*Book*

1. Chrysanthemums and Scubadivers. Shearsman Books: Exeter UK, forthcoming.

*Poem*

2. "Sailing to Byzantium by William Butler Yeats," Western Humanities Review, Fall 2011 (forthcoming).

*Conference Presentation*

3. "She do the poleis in different voices: Alice Notley's Alma, or the Dead Women," Modernist Studies Association Annual Conference, Victoria, BC, November 2011.

*Conference Panel Organizer and Moderator*

4. "Where Was Dada?" Modernist Studies Association Annual Conference, Victoria, BC, November 2011.

*Article Review*

5. Review of The Cave by Clark Coolidge and Bernadette Mayer; and Homage to the Last Avant-Garde by Kent Johnson, Denver Quarterly, 45:2, February 2011.

**Scholarly Activities**

• Zena Meadowsong

*Book Chapter*

1. “Romancing the Machine: American Naturalism in Transatlantic Context.” *The Oxford Handbook of American Literary Naturalism*, Ed. Keith Newlin. Oxford: Oxford University Press, 2011. 21-36.

*Journal Article*

2. “Joyce’s Utopian Machine: The Anti-tyrannical Mechanics of Ulysses.” *James Joyce Quarterly*. Forthcoming.

*Book Review*

3. Review of *Adventures in Realism* (ed. Matthew Beaumont). *Modern Philology* 108:4 (2011).

*Conference Presentations*

4. “Proust’s Telephone: The Impossible Voice of Narrative.” Paper presenter, chair, and organizer of panel, “Proust’s Implausible Networks: Music, Telepathy, Gaydar” at the 2011 International Conference on Narrative. St. Louis, April 7-10, 2011.
5. “Modernist Studies in the Nuclear Age: Postmodernist Narrative and Technology”; Seminar paper, Modernist Studies Association conference on Modernist Networks. Victoria, November 11-14, 2010.

• Glenn Odom:

*Journal Articles*

1. “Before us a Savage God: Modern Self-Fashioning and the Nation in Yorùbá Performance.” forthcoming in *The Drama Review*
2. “South African Truth and Tragedy: Yael Farber’s *Molera* and Reconciliation Aesthetics.” *Comparative Literature*. 63, no. 1 (2011): 47-63.

*Conference Presentation*

3. “Shakespeare’s History Plays Un-performed.” Paper presented at the annual meeting of the American Comparative Literatures Association, Vancouver BC, March 28-30th, 2011.

*Invited Lecture*

4. “Yorùbá Self-Fashioning and Wole Soyinka’s *A Dance of the Forest*.” Lecture given at a special event sponsored by University of Pennsylvania African Studies Group, January 15th 2011.

# Program Profiles

## English

### Scholarly Activities

#### • Lee Talley

##### *Contribution to Book*

1. "Young Adult" in *Keywords for Children's Literature*. Eds. Philip Nel and Lissa Paul, 228-232. New York: New York University Press, 2011. Invited.

##### *Journal Article*

2. "Fantasies of Place and Childhood in Francesca Lia Block's *I Was a Teenage Fairy*," *Children's Literature* 39 (2011): 107-125.

##### *Conference Papers Presented*

3. "Spaces of Possibility: WWII Evacuees' Epistolary Lives," Multiple Childhoods/ Multidisciplinary Perspectives Conference, Camden NJ May 19-21, 2011.
4. "Spaces of Possibility: Canadian War Guests' Letters Home," The Childhoods Conference: Mapping the Landscapes of Childhood, Lethbridge, Canada May 5-7, 2011.

##### *Conference Panel Organizer and Moderator*

5. Chair and Moderator, "Nostalgia and Children's Literature." Annual Modern Language Association Convention, Los Angeles CA., January 6-9, 2011.

##### *Other Scholarly Activity*

6. Consultant/Peer Reviewer for *Children's Literature*
7. Elected Member Article Award Committee, Children's Literature Association [ChLA] (2008-2011)
8. Nominated and elected to serve on Children's Literature Association's [ChLA] Grants Committee (2011-2013)

#### • Timothy Viator

##### *Journal Article*

1. With Martha Viator. "Uncovering the American Dream: Using Historical Thinking in the Literature Class." *Teaching American Literature: A Journal of Theory and Practice*. 4:2 (Winter 2011), 1-10.



## *Foreign Languages*

### *List of Degree Programs*

- B.S. in Spanish

### *List of Minors/Concentrations/Sequences*

- Minor in French
- Minor in German
- Minor in Romance Languages
- Minor in Spanish

### *Students*

- Total number of majors : 74

### *Notable Student Achievements*

- Ashleigh Renee Udalovas '11: Miss New Jersey Literacy Platform through the Literacy Volunteers of NJ; Dean's Senior Recognition Award.
- Jennie Ann Buoy '11: Department of Foreign Languages and Literatures Medallion Award.
- Britny C. Molloy '11 French Minor; Teaching Assistantship in France for 2011-2012 awarded through the French Embassy in the United States Cultural Services.
- Caitlin Nascher '11 and Britny C. Molloy, French minors had internships at the Cannes Film Festival.

### *Strategic Goals for 2010-2015*

2010-2011

- Improve strategic enrollment management in department courses
- Create strategic alliances with key academic programs in order to integrate the learning of a foreign language
- Establish contact with Cooper Medical School of Rowan University to assess interest in an elective offering: Introductory Spanish for Medical Personnel

2011-2015

- To explore/implement new revenue streams through CGCE
- Develop a program in Spanish for medical personnel
- Continue exploring viability of online Spanish Graduate Program

# Program Profiles

## Foreign Languages

### Permanent Faculty

*Name:* Laurie Kaplis-Hohwald

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Golden Age Literature, Medieval and Renaissance Studies, Translation Studies

*Name:* Roberto Madero

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* History of the South American Book, Latin American Political History, Literature and Society in Latin America

*Name:* Marilyn S. Manley

*Highest degree(s) attained:* M.S.E.

*Rank:* Associate Professor

*Area(s) of Expertise:* Hispanic, Quechua and Anthropological Linguistics

*Name:* Anthony J. Robb

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* 19th-20th Century Peninsular Literature, 20th Century Spanish American Literature, Central American Literature, Hispanic Film

*Name:* Sonia B. Spencer

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Medieval French Literature, 20th century French Theatre, Francophone Film

### Scholarly Activities

#### Chapters in Books Published

Robb, Anthony

- Territorios, (Editorial Croquis, 2010, Buenos Aires) Introduction.

#### Periodicals

Manley, Marilyn

- “Enhanced Input in LCTL Pedagogy.” Journal of the National Council of Less Commonly Taught Languages. v.9, (Fall 2010), National Council of Less Commonly Taught Languages, pp. 1-20, Madison, WI.

#### Other Publications

Madero, Roberto

- “De la Edición al Poder en Sarmiento” In Historia de la Literatura, Volume8. Directed by Noe Jitrik y Adriana Amante. Buenos Aires: EMECE 2011.

## Foreign Languages

### Scholarly Activities

#### Other Publications

Madero, Roberto

- Literatura y Política Bajo Rosas Buenos Aires: Fondo de Cultura Económica 2012. (Informal arrangement for publication)

Manley, Marilyn

- Book note: John M. Lipski's, Varieties of Spanish in the United States. Washington, DC: Georgetown University Press, 2008 in Language in Society, v.40, issue 01, pp.131-132, 2011.

#### Papers Presented

Kaplis-Hohwald, Laurie

- "Building the Temple in Verse: Juan de Jáuregui's octavas in praise of Philip IV, upon the canonization of Saints Ignatius and Francis Xavier." Paper presented at the 35th Annual Patristic, Medieval and Renaissance Studies Conference, Villanova University, (October 22-24, 2010),

Manley, Marilyn

- Using Translation Tasks to Achieve the Five C's, (American Council on the Teaching of Foreign Languages (ACTFL) 2010 Annual Convention and World Languages Expo, Boston, Massachusetts, November 2010), 11/21/10.
- Evidentiality, epistemics and mirativity in Cuzco Quechua, (Society for the Study of the Indigenous Languages of the Americas (SSILA) Annual Meeting, held jointly with the Annual Meeting of the Linguistic Society of America, Pittsburgh, Pennsylvania, January 2011), 01/06/11.
- Grammaticalized evidentiality reflected in Quechua identity, (Forging Linguistic Identities: Language in the Region, the Nation, and the World Conference, Towson University, Towson, Maryland, March 2011), 03/18/11.

#### Attended a Conference

Spencer, Sonia

- The French in Action Reunion: A 25th Anniversary Celebration, Yale University, New Haven, CT, 10/30-10/31/10
- American Council on the Teaching of Foreign Languages (ACTFL) Annual Convention, Boston, MA, 11/19-11/21/10

#### Symposium or Conference Chair, Co-Chair, or Discussant

Manley, Marilyn

- Symposium Chair: Grammatical explorations of Cuzco-Bolivian Quechua, (Society for the Study of the Indigenous Languages of the Americas (SSILA) Annual Meeting, held jointly with the Annual Meeting of the Linguistic Society of America, Pittsburgh, Pennsylvania, January 2011), 01/06/11.

# Program Profiles

## *Foreign Languages*

### *Other Scholarly Activities*

Manley, Marilyn

- Reviewed a research grant proposal for the Documenting Endangered Languages Program of the National Science Foundation (NSF), 11/15/10.
- Attended the OPI Refresher Pre-Convention Workshop at the American Council on the Teaching of Foreign Languages (ACTFL) 2010 Annual Convention and World Languages Expo, Boston, Massachusetts, 11/18/10.
- Reviewed a journal submission to *Foreign Language Annals*, the official journal of the American Council on the Teaching of Foreign Languages (ACTFL), 11/24/10.
- Invited, coordinated and assisted in the operation of a university-wide lecture demonstration, guest lecture and concert presented by Andes Manta, an Ecuadorian musical ensemble, 12/02/10 and 12/03/10.
- Reviewed a journal submission to *Foreign Language Annals*, the official journal of the American Council on the Teaching of Foreign Languages (ACTFL), 04/22/11.

Robb, Anthony

- Cited on book back cover of *Juan, The Brave Boy* by M. A. Martín, Icon Editions, Mullica Hill, 2011.
- My book, *Eunice Odio y su mundo sensual*, critiqued in *Círculo: Revista de cultura*, Vol. XXXIX, 2010 by Dr. Jerry Hoeg, Pennsylvania State University

Spencer, Sonia

- American Council on the Teaching of Foreign Languages (ACTFL) Oral Proficiency Interview (OPI) Assessment Training Workshop, Boston, MA, 11/15-11/18, 2010
- Sixth successful grant application for a Chinese Fulbright Foreign Language Teaching Assistant for 2011-2012, Rowan University, Glassboro, NJ
- Supervised and hosted Yuhui Li, Rowan's fifth Chinese Fulbright Foreign language teaching Assistant AY 2010-2011, Rowan University, Glassboro, NJ

### *Other Committees and Service*

Laurie Kaplis-Hohwald

- Foreign Languages and Literatures Academic Advisement Coordinator
- Faculty Advisor to the Spanish Club "El Círculo de Español"
- Taught Honors Concentration course Spring 2011: *Don Quijote*
- Senate Recruitment Admissions Retention Committee

## Foreign Languages

### Other Committees and Service

Roberto Madero

- Foreign Languages and Literatures Curriculum Committee
- Foreign Languages and Literatures AFT Representative

Marilyn Manley

- 2010-2011 Facilitator, Student Ratings Learning Community, The Faculty Center for Excellence in Teaching and Learning, Rowan University.
- 2010-2011 Member of the Junior Faculty Innovative Teaching Award Committee, Faculty Center for Excellence in Teaching and Learning, Rowan University.
- 2010-2011 Latin American and Iberian Studies Coordinator for the International Studies Concentration, Rowan University.
- 2010-2011 LAS Undergraduate Education Committee, Rowan University.
- 2011 Presented “An Introduction to Quechua and the Incas”, Dr. María Rosado’s undergraduate class, “Natives of South America”, Rowan University, March 29, 2011.
- 2011 Presented “An Introduction to Rowan University’s Student Course Evaluation”, Rohrer College of Business Adjunct Orientation, Rowan University, January 12, 2011.
- 2010 Presented “An Introduction to the Iroquois”, Dr. María Rosado’s undergraduate class, “Indians of North America”, Rowan University, November 12, 2010.
- 2010 Represented the AFT at the AFT Information Table, New Faculty Orientation Information Fair, sponsored by the Faculty Center for Excellence in Teaching and Learning, Rowan University, August 24, 2010.
- 2010-2011 Department of Foreign Languages and Literatures Curriculum Committee Chair, Rowan University.
- 2010-2011 ACTFL OPI Advisor and Proctor, Department of Foreign Languages and Literatures, Rowan University
- 2010-2011 Department of Foreign Languages and Literatures Representative to the LAS Humanities Curriculum Committee, Rowan University.
- 2010-2011 Spanish Placement Test Coordinator, Department of Foreign Languages and Literatures, Rowan University.
- 2010-2011 Spanish Adjunct Faculty Coordinator, Department of Foreign Languages and Literatures, Rowan University.
- 2010-2011 Spanish 1/2/3 Sequence Coordinator, Department of Foreign Languages and Literatures, Rowan University.
- 2010-2011 Department of Foreign Languages and Literatures Long-Range Planning Committee Member, Rowan University.
- 2010-2011 Department of Foreign Languages and Literatures Alternate Liaison with the College of Education, Teacher Education Council, NCATE and Middle States.
- 2010-2011 Department of Foreign Languages and Literatures Academic Advisor to Spanish Majors and Minors, Rowan University.
- 2010 Co-authored a curriculum proposal along with Dr. Roberto Madero to modify the structure of the Spanish Major to incorporate more flexibility in course choice.

# Program Profiles

## *Foreign Languages*

### *Other Committees and Service*

Robb, Anthony

- Member, CLAS Task Force on Independent Study, Internships and restricted-enrollment courses, 2010
- Member CLAS Dean's Committee on Localization/Globalization
- Department Chair, Fall 2010, (Spring 2011, medical leave)
- Department Curriculum Committee Member
- Departmental Long Range Planning Committee Member

Spencer, Sonia

- Interim Department Chair, Spring 2011
- International Studies Concentration Coordinator, Fall 2010
- Department Senator, 2010-2011
- French and German Coordinator 2010-2011
- Department Curriculum Committee Member
- Department Long-Range Planning Committee Member
- Faculty Center for Excellence in Teaching and Learning Advisory Board, 2010-2011
- University, Senate Executive Committee, Chair: Career Development Committee 2010-2011
- AFT Executive Committee, Representative to the Chairs' Council

### *Other Departmental Accomplishments*

- Andes Manta university-wide lecture demonstration, lecture and concert of Ecuadorian music, 12/02-03/10, sponsored by the President's Lecture Series Fund, the International Center, the Honors Concentration, the Spanish Club and Geography and Anthropology. Proceeds from the Concert on 12/03/10 benefitted the Josefina and Enrique Pujals Study Abroad in Latin America Scholarship Fund.
- Guest lecture by Dr. Ignacio Javier López, Chair, Department of Romance Languages at the University of Pennsylvania: "Una llama que no se apaga: las "dos Españas", de la Constitución de Cádiz a la ley de memoria histórica", 02/03/11.

### *Noteworthy Alumna*

- Julissa Marengo '97 Spanish Minor: As President of ZGS Communications Station Group, she shapes Spanish language broadcasting and provides strategic direction for 13 Telemundo stations and three radio stations.

## *Geography and Anthropology*

### *List of Degree Programs*

- B.A. in Geography
- Tracks:
  - Cartography and GIS
  - Liberal Arts
  - Planning
  - Geographic Education

### *List of Minors/Concentrations*

- Certificate in Cartography and GIS
- Concentration in Geosciences
- Concentration in GIS
- Concentration in Planning
- Minor in Anthropology
- Minor in Geography
- Specialization in Human Geography/Anthropology

### *Students*

- Undergraduate Majors: 93

### *Strategic Goals for 2010-2015*

#### 2010-2011

- New B.S. in Planning
- New B.S. in GIS
- Restructure department web page to reflect merging of Geography & Environment
- Re-establish the Geographic Alliance for teacher training in geographic education through the National Geographic Society Grant

#### 2010-2015

- Launch new department Geography & Environment
- Complete new degree in GIS
- Complete new degree in Integrated Studies in Geography & Environment
- Improve/restructure department web page to reflect merging of Geography & Environment
- Pursue more research projects for the Geo Research Lab Account
- Continue to host the New Jersey state Geography Bee

# Program Profiles

## Geography and Anthropology

### Permanent Faculty

*Name:* Diane Markowitz

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Forensic Anthropology, Growth and Development, Dental Anthropology, Medical Anthropology, Human Evolution, Human Variation

*Name:* Maria A. Rosado

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Forensic Anthropology, Bio-Archaeology, New World Archaeology, Human Evolution, Paleopathology, Native Peoples of the Americas

*Name:* David Kasserman

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Historical Anthropology, Cultural Anthropology

*Name:* Zachary Moore

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Cultural Geography, Geography Education

*Name:* Katrinka Somdahl-Sands

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Political Geography, Cultural Geography, Middle East, Europe, Feminist Geography, Social Theory

*Name:* John Reiser

*Highest degree(s) attained:* M.S.

*Rank:* Professional Staff

*Area(s) of Expertise:* GIS, Geospatial Research, NJ State Atlas, Urban Planning

*Name:* Denyse Lemaire

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Geomorphology, Geology of Glaciers, Physical Geology, Remote Sensing, Geography of Europe, National Parks, and Australia

*Name:* Richard Scott

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* GIS, Computer Cartography, Geography of US and Canada, Urban Geography

*Name:* John Haase

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* GIS, Urban Planning, Geospatial Research, Land Use and Resource Development, Planning and Public Policy



## Geography and Anthropology

### Grants

#### *Continuing External Grants*

John Reiser

- \$65,000/year National Guard Internship Program, an ongoing project for Rowan University students to receive real-world GIS and GPS experience through field work and data collection for the Facilities Office of the New Jersey National Guard.

Zachary Moore

- \$30,000 National Geographic Society Education Foundation Grant, awarded to support the New Jersey Alliance for Geographic Education

#### *External Grants*

John Hasse

- \$21,249 Analyzing County Zoning Patterns in New Jersey for Buildout., (2010), Fair Share Housing Center, GIS contract project to estimate affordable housing capacity of two New Jersey counties

#### *Internal Grants*

John Reiser

- \$7,500 Amazon Web Services Education Research Grant, awarded to support work on the New Jersey Land Change Viewer <http://aws.amazon.com/education/>

Katrinka Somdahl-Sands

- Asst. Professor Travel Grant
- Frances R. Lax Faculty Development Grant

#### *Grants Submitted*

John Hasse

- \$60,000 Enhancing the NJ Land Change Viewer, Grant submitted to the Geraldine R. Dodge Foundation. Pending
- \$24,000 Sprawl Identification Tool for the NJ Land Change Viewer, Grant submitted to the Landsberger Foundation. Pending
- \$293,180 Evaluating an Impervious Surface-Based TDR Program Using Agent-Based Modeling of Land-Use/Land-Cover Change with Geospatial Indicators, National Science Foundation, project PI, \$293,180 submitted August 2010

# Program Profiles

## *Geography and Anthropology*

### *Scholarly Activities*

#### *Conference Activity*

Maria A. Rosado, Allison Lucci and Paul Dariano

- Rowan University's 14th Annual STEM Symposium, "Diet Reconstruction of Prehistoric Peoples from Chile's Semi-arid North," April 15, 2011

David Kasserman

- "Rose Wine and the Provence Terroir" with Denyse Lemaire. The Association of American Geographers Annual Conference. Seattle, WA. April 2011

Denyse Lemaire

- "Rose Wine and the Provence Terroir" with David Kasserman. The Association of American Geographers Annual Conference. Seattle, WA. April 2011

Zachary Moore

- "Geography's Wavering Curricular Position in K-12 Education: A Subjects' Disconnect from Societal Demands and Educational Needs." The 95th Annual Meeting of the National Council on Geographic Education in Savannah, Georgia. October 2010. As the Alliance Coordinator for the NJ Geographic Ed Alliance, directed the formal planning initiatives for the Annual Meeting for State Alliances of the National Geographic Society Grant in Washington, DC., Feb 2011

John Reiser

- "The Rowan Geospatial Research Lab and the Changing Landscapes of the Garden State: 20 years of Urban Development Patterns." New Jersey Geospatial Forum. September 24, 2010.
- "Contributing to Open Street Map using ArcGIS." Philadelphia ESRI Development Meeting. September 30, 2010.
- "Introduction to Distributed GIS Services." MAC URISA 2010 Conference and Workshop. October 4, 2010. Available online: <http://njgeo.org/presentations/introduction-to-distributed-gis-services/>
- "Planning in the Cloud." American Planning Association – New Jersey Chapter Annual Conference and Workshop. November 4, 2010. Available online: <http://njgeo.org/presentations/planning-in-the-cloud/>
- "The New Jersey Land Change Viewer." Philadelphia ESRI Development Meeting. June 1, 2011.
- "Geotechnology Ideas, Innovations, and Applications." New Jersey Geospatial Forum. June 10, 2011. Presented our GIS license monitoring software: <http://gis.rowan.edu/licenses/>
- "An Introduction to Cloud Computing and GIS." GIS Day. Burlington County College Plege. November 10, 2010  
Evidence of Persistent Exclusionary Effects of Land Use Policy within Historic and Projected Development Patterns in New Jersey: A Case Study of Monmouth and Somerset Counties, final report published by the Rowan GeoLab.  
Available at <http://gis.rowan.edu/exclusionary>

## Geography and Anthropology

### Scholarly Activities

#### Conference Activity

Katrinka Somdahl-Sands

- “Nonrepresentational Theory JUMPs! “The 17th Annual Critical Geography Mini Conference. The University of Wisconsin. Milwaukee, WI. November 6, 2010.
- “Dance of the Waves and Arab Identity in Acre, Israel” the Association of American Geographers Annual Conference. Seattle, WA. April 2011
- Panelist on “Author Meets the Critics: Session for Jason Dittmer’s book Popular Culture, Geopolitics and Identity.” Association of American Geographers Annual Conference. Seattle, WA. April 2011

#### Publications

Hasse, John E., John Reiser and Alex Pichacz

- Evidence of Persistent Exclusionary Effects of Land Use Policy within Historic and Projected Development Patterns in New Jersey: A Case Study of Monmouth and Somerset Counties, final report published by the Rowan GeoLab. Available at <http://gis.rowan.edu/exclusionary>

Hasse, John E. and Richard G. Lathrop

- Two Possible NJ Landscapes in the Year 2021, NJ Monthly Magazine. January 2011

Hasse, John E. and Richard G. Lathrop

- Changing Landscapes in the Garden State: Urban Growth and Open Space Loss in New Jersey from 1986 to 2007. Report published by the Rowan Geolab. Available at <http://gis.rowan.edu/projects/luc/>

#### Periodicals

Katrinka Somdahl-Sands

- “Music with a Message: U2’s Rock Concerts as Spectacular Spaces of Politics,” co-written with NUIG undergraduate Veronica Morley, *Aether: The Journal of Media Geography*, vol. 7, pp. 10-26

#### Other Publications

Katrinka Somdahl-Sands

- “Popularizing Popular Geopolitics: Jason Dittmer’s book Popular Culture, Geopolitics and Identity,” book review, under review at *Journal of Geography in Higher Education*

### Other Scholarly Activity

#### Development Projects

John Reiser

- The New Jersey Land Change Viewer. Interactive component to the “Changing Landscapes in the Garden State” report. Available online: <http://gis.rowan.edu/projects/luc/>
- DoubleTake Interactive Map. Prepared for the Seward Johnson exhibit, September to November 2010. Available online: <http://gis.rowan.edu/doubletake/>

# Program Profiles

## *Geography and Anthropology*

### *Other Scholarly Activity*

#### *Development Projects*

John Reiser

- RowanCard Program Interactive Maps. Allows students and parents to view where the RowanCard is accepted on- and off-campus. Available online: <http://www.rowan.edu/adminfinance/bursar/rowancard/where/index.html>
- Orientation Interactive Mapping. Aid to first-time visitors to our campus for orientation. Available online: <http://www.rowan.edu/orientation/directions>
- ArcGIS (FlexLM) License Monitoring Tool. To be released as open source software. Available online: <http://gis.rowan.edu/licenses/>

#### *Professional Contributions*

John Hasse

- New Jersey Task Force on Transfer Development Rights, invited expert for task force to reevaluate New Jersey TDR planning mechanisms, Trenton, NJ, December 2009 - August 2010
- Salem County Task Force on Transfer Development Rights, invited expert for task force to develop regional TDR planning mechanisms, Salem, NJ, January 2010 – 2011

Denyse Lemaire

- External Reviewer and Chair of the External Review Committee to examine the Geography Department at Kutztown University, PA with Kent Barnes from Towson University, MA. October 24-25, 2010. Report delivered to Dr. Robert Ziegenfus, December 2010

John Reiser

- Board of Trustee Member, MAC URISA. MAC URISA is a volunteer-supported organization to promote GIS and provide GIS education through seminars and conferences. Term expires December 2012. <http://macurisa.org/>
- Educational Constituency Chair, New Jersey Geospatial Forum. The NJGF is the State-sponsored
- GIS forum for policy coordination and information sharing. Term expires December 2012. [http://njgin.state.nj.us/OIT\\_NJGF](http://njgin.state.nj.us/OIT_NJGF)
- Member, GIS Advisory Council, Atlantic Cape Community College. Atlantic Cape Community College started their GIS program in 2009.
- “New Jersey National Guard and Rowan University Partnership.” National Guard Bureau – Construction and Facilities Management Office University. April 6, 2011

#### *Media Coverage*

John Hasse

- “Builders Move Beyond McMansions in New Jersey,” New York Times, October 5th, 2010  
<http://www.nytimes.com/2010/10/06/realestate/06density.html>

## Geography and Anthropology

### Other Scholarly Activity

#### Media Coverage

John Hasse

- “Down to Its Last Million Acres,” New York Times, August 29, 2010  
[http://www.nytimes.com/2010/08/29/realestate/29Njzo.html?\\_r=1](http://www.nytimes.com/2010/08/29/realestate/29Njzo.html?_r=1)
- OP-ED, John E. Hasse and Richard G. Lathrop, “Is New Jersey Running Out of Space?” August 29, 2010 The Star Ledger, [http://www.northjersey.com/news/opinions/landlocked\\_082910.html](http://www.northjersey.com/news/opinions/landlocked_082910.html)
- Radio Interview “The Continual Growth of South Jersey”, A Community Affair with host Rachael Burgess, Rowan Radio, August 23, 2010  
<http://www.rowan.edu/onthego/player.php?podcast=http://www.rowan.edu/today/data/cast/CA20100823.mp3>
- “Crunch Hits Open Space Funds,” The Wall Street Journal, August 6th, 2010  
<http://online.wsj.com/article/SB10001424052748703748904575411690085797942.html?KEYWORDS=de+avila>
- “Report Says NJ Saw Record Sprawl Over Two Decades,” The Princeton Review, August 5, 2010  
[http://www.centraljersey.com/articles/2010/08/11/the\\_princeton\\_packet/news/doc4c5b7be2643ab205242790.txt](http://www.centraljersey.com/articles/2010/08/11/the_princeton_packet/news/doc4c5b7be2643ab205242790.txt)

#### Study Abroad

Denyse Lemaire

- Organized and coordinated all the details of travel for 2 week course “Geography of Europe” which she taught to 21 students as they travelled throughout Europe from May 23 – June 7, 2010
- Organized and coordinated all travel details for a 3 week course “Geology of the National Parks” which she taught to 21 students as they travelled through 9 states, visiting 14 National Parks.

#### Outreach

Denyse Lemaire

- Organized four presentations on fossils for the South Valley Elementary School, Moorestown, NJ. October 25, 2010.
- Panelist in the Grand International Conversations presentation, South Valley Elementary School, Moorestown, NJ. January 23, 2011.

### Other Accomplishments

- The 2011 New Jersey finals for the National Geographic Bee were hosted by the University for the second year on April 1, 2011 through the efforts of Zachary Moore (Geography & Anthropology). Moore has also received a planning grant from the National Geographic Society to support the New Jersey Alliance for Geographic Education.

# Program Profiles

## History

### List of Degree Programs

- *Undergraduate:* B.A. in History, B.A. in History with Specialization in U.S. History, B.A. in History with Specialization in European/Ancient History, B.A. in History with Specialization in Global History, B.A./M.A. Accelerated Dual Degree
- *Graduate:* M.A. in History, B.A./M.A. Accelerated Dual Degree
- *Graduate certificate programs:* Certificate of Graduate Study in History, Certificate of Graduate Study in World History

### List of Minors/Concentrations

- Minor in History
- Sequence in Liberal Studies Humanities/Social Science

### Students

- Undergraduate Majors: 498
- Graduate Majors: 3
- Undergraduate Minors: 12
- History sequence in Liberal Studies: 66

#### *Notable student achievements*

- Melissa Genovese-- Fulbright award to teach English in Vietnam
- Mary Spanarkel-- Fulbright award to teach English in Turkey
- Ten Rowan students presented papers at the regional Phi Alpha Theta conference at Villanova University this spring: Justin Abate, Gregory Aydt, Rachel Bellamy, Alyson Dagen, Kylene Farnan, aScott Henriksen, Joelle Krake, Daniel Salerno, Samantha Sullivan, and Ian Tyson

### Strategic Goals for 2010-2015

2010-2011

- Launch of MA program
- Launch of BA/MA program

2011-2015

- Development of MA and BA/MA programs
- Improvement of undergraduate education through new hiring
- Improvement of technology and facilities

## History

### Permanent Faculty

*Name:* David Applebaum

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Modern Europe, France

*Name:* Corinne Blake

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Middle East, Islamic Civilization

*Name:* Emily Blanck

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Early America, Legal History,  
Intellectual History

*Name:* William Carrigan

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* 19th Century US

*Name:* Kelly Duke-Bryant

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Africa

*Name:* James Heinzen

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Modern Europe, Russia

*Name:* Melissa Klapper

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* US History, Women's History

*Name:* Lee Bruce Kress

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* 20th Century US, Military History,  
Latin America

*Name:* Janet Moore Lindman

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Early America, Women's History,  
Native American History

*Name:* Scott Morshauser

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Ancient History

*Name:* Chanelle Rose

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* African-American History

*Name:* Q. Edward Wang

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* East Asia, Historiography

*Name:* Joy Wiltenburg

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Early Modern Europe, Women's  
History

# Program Profiles

## History

### *Faculty Awards*

William Carrigan

- 2011 Wall of Fame Award for Teaching, Faculty Center for Excellence in Teaching and Learning

Melissa Klapper

- Charles DeBenedetti Best Article Prize, Peace History Society

### *Grants*

Melissa Klapper

- Senior Scholar Grant, Hadassah Brandeis Institute, Brandeis University
- Residential Fellowship, Frankel Institute for Advanced Judaic Studies, University of Michigan
- Cashmere Publication Subvention Grant, Association for Jewish Studies Women's Caucus

Janet Lindman

- Andrew W. Mellon Research Fellowship, Virginia Historical Society, Summer 2011

Kelly Duke-Bryant

- Francis R. Lax Grant Development Grant
- History Department Research Travel Grant
- NSFSG for 2011-2012, awarded May, 2011

Chanelle Rose

- History Department Research Travel Grant

### *Scholarly Activities*

#### *Books*

Q. Edward Wang

- Lectures on New Historiography, People's University of China Press, winter 2010.

#### *Book Chapters*

Janet Moore Lindman

- "Play the Man . . . for Your Bleeding Country': Military Chaplains as Gender Brokers During the American Revolutionary War," in Thomas Foster, editor, *New Men: Manliness in Early America* (New York University Press, 2011):237-255.

#### *Articles in Peer-Reviewed Journals*

Melissa Klapper

- "Those by Whose Side We Have Labored': American Jewish Women and the Peace Movement Between the Wars." *Journal of American History* 97 (December 2010)



## History

### Scholarly Activities

#### Articles in Peer-Reviewed Journals

Janet Moore Lindman

- “‘Bad Men and Angels from Hell’: The Discourse of Universalism in Early National Philadelphia,” *Journal of the Early Republic* Vol. 31 #2 (Summer 2011):259-282.

Scott Morschauer

- “A ‘Diagnostic’ Note on the ‘Great Wrath upon Israel’ in 2 Kings 3:27,” *Journal of Biblical Literature* 129 (July, 2010), 299-302.

#### Other Publications

Corinne Blake

- Thematic guide about the Ottoman Empire, including hundreds of links to material in their website, for Oxford Islamic Studies Online.

William Carrigan

- Review of Crystal Feimster, *Southern Women and the Politics of Rape* for the *American Historical Review*, 116: 5 (December 2010): 1480.

Melissa Klapper

- Review of Carol K. Ingall, ed., *The Women Who Reconstructed American Jewish Education, 1910-1965* (Hanover, N.H.: Brandeis University Press, 2010), on H-JUDAIC, September 2010.

Janet Moore Lindman

- Review of Kathleen Brown, *Foul Bodies: Cleanliness in Early America* (Yale University Press, 2009) for *Journal of American History* 97 #3 (December 2010).

Scott Morschauer

- “Passing Acquaintances: A Note on Sinuhe 25-26,” *Goettinger Miszellen* 228 (2011), 51-58.

Chanelle Rose

- Review article of Cynthia Griggs Fleming, *Yes We Did? From King’s Dream to Obama’s Promise* (University Press of Kentucky, 2009); Peniel E. Joseph, *Dark Days, Bright Nights: From Black Power to Barack Obama* (Basic Civitas Books, 2010); and Gregory D. Smithers, *The Preacher and the Politician: Jeremiah Wright, Barack Obama, and Race in America* (University of Virginia Press, 2009),” *Journal of Southern History*, (May 2010).
- Review of Eric J. Sundquist’s *King’s Dream: The Legacy of Martin Luther King’s ‘I Have a Dream’ Speech* (Yale University Press, 2009),” *History: Reviews of New Books* 38, no.4, 2010, 126-127.

Joy Wiltenburg

- Review of Susanne Kord, *Murderesses in German Writing, 1720-1860: Heroines of Horror* (Cambridge, 2009), H-German, H-Net Reviews, March 2011, <http://www.h-net.org/reviews/showrev.php?id=29909>.

# Program Profiles

## History

### Conference

#### *Papers Presented*

David Applebaum

- “Cause Judicial Ethics: The First Strike of the Syndicat de la Magistrature,” (Fourth International Conference on Legal Ethics, Stanford University Law School) July 2010

Emily Blanck

- “Joy Takes the Streets” (Popular Culture Association Meeting, San Antonio, TX, April 2011) 4/21/11

Kelly Duke-Bryant

- “Of Boubous, Rice, and Running Away: Children’s Agency in Senegal’s Schools, 1857-1914” (Annual Meeting Society for French Historical Studies, Charleston, SC, February- 2011) 2/11/11.
- “Our Fellow Students call us Dirty: Senegalese Students in Tunis and Perceptions of Difference, 1890s” (African Studies Association Annual Meeting, San Francisco, CA, November 2010) 11/19/10.

William Carrigan

- “Five Things I Wish I Had Known at my First OAH,” (Annual Meeting of the Organization of American Historians, Houston, TX, March 2011) 3/18/11.

James Heinzen

- “Corruption and the Campaigns against Bribery during World War II and Late Stalinism.” (University of Pennsylvania, December 2010) 12/10/10.
- “Corruption and the Campaigns against Bribery during World War II and Late Stalinism.” (Annual Meeting, St Petersburg State University, October 2010) 10/25/10.
- “Better to Give: Corruption and the Campaigns against Bribery during World War II and Late Stalinism” (Annual Meeting of the Association for Eurasian and East European Studies, Los Angeles, November 2010) 11/17/10.
- “Pick the Flowers while They’re in Bloom”: Corruption in the Soviet Courts, 1943-1953 (Annual Meeting of the Southern Conference on Slavic Studies. Washington DC, April 2011) 4/10/11.
- “Bribery, Informal Practices, and the Late Stalinist Courts, 1943-1953” (Law and Justice in Russia, Moscow, Russia. May 2011) 5/27/11.

Melissa Klapper

- “The Multiple Motivations Behind Jewish Women’s Feminist Activism Before World War II” (Organization of American Historians Annual Meeting, Houston, TX, March 2011) 3/17/11
- “American Jewish Women’s Activism Between the Wars: Gender, Identity, and Acculturation” (Berkshire Conference on the History of Women, Amherst, MA, June 2011) 6/10/11.

## History

### Conference

Chanelle Rose

- “Tourism and the Hispanicization of Race in Jim Crow Miami, 1940-1960” (Organization of American Historians Annual Meeting, Houston, TX, March 2011) 3/20/11.

Joy Wiltenburg

- “Voice of the Criminal in Early Modern Germany” (Sixteenth Century Studies Conference, Montreal, October 2010) 10/14/10.

*Symposium or Conference Chair, Co-Chair, or Discussant*

Melissa Klapper

- “Philanthropy and the Construction of Jewish Masculinity: A British and American Perspective.” Panel Chair. Association for Jewish Studies Annual Meeting, Boston, December 2010

Janet Moore Lindman

- Chair, “(Con) tested Loyalties: The Family and Religion at Odds in the Early Republic,” Annual Meeting of the Society for Historians of the Early Republic, Philadelphia, PA., July 14-17, 2011.

### Other Scholarly Activities

Corinne Blake

- Submitted entries on Usama ibn Munqidh, Zubayda, Khayzuran and Shajar al-Durr for A Biographical Dictionary of Islam, edited by Dr. Mustafa Shah and Prof. Muhammad Abdel Haleem, I.B. Tauris, forthcoming.
- Textbook review of A History of the Muslim World to 1405: The Making of a Civilization, Vernon O. Egger, for Pearson Press.
- Article “Incorporating Information Technology into Courses on Islamic Civilizations” republished in Oxford Islamic Studies Online.

Emily Blanck

- Advance contract awarded for book Revolutionizing Slavery: Massachusetts, South Carolina and the Tyrannicide Affair, University of Georgia Press

William Carrigan

- Prize Committee Member, Richard McCormick Prize for Best Book in New Jersey History in the past two years, 2011.
- External Reviewer, 2010-2011, Academic Program Review of the Department of History, James Madison University, Campus Visit from Nov. 14th to Nov. 16th, 2010

# Program Profiles

## History

### *Other Scholarly Activities*

James Heinzen

- Advance book contract awarded for *The Art of the Bribe: Corruption, Politics, and Everyday Life in the Soviet Union in Wartime and Postwar Stalinism*, Yale University Press

Melissa Klapper

- Book Review Editor, *American Jewish History*
- Invited Lecture, Dickinson College, October 2010
- Advance book contract awarded for *Ballots, Babies, and Banners of Peace: American Jewish Women's Pre-World War II Activism*, New York University Press

Janet Moore Lindman

- Invited speaker, "Baptists of the Delaware Valley," The Raymond N. Beebe Law Firm Historical Lectures for the Col. Richard Somers Chapter of the Sons of the American Revolution, Somers Point, NJ., May 12, 2011

Q. Edward Wang

- Changjiang Scholar Visiting Professor Peking University
- Advance book contract awarded for *Chopsticks: A Cultural History*, Cambridge University Press

Joy Wiltenburg

- Advance book contract awarded for *Crime and Culture in Early Modern Germany*; manuscript completed and approved by University of Virginia Press
- Talk on "Society and the Renaissance," Friends Village at Woodstown, Summer 2010

### *Other Accomplishments*

Corinne Blake

- Fulbright Program Advisor

William Carrigan

- "Gettysburg Reconsidered," lecture for Student/Alumni Bus Tour of Gettysburg National Military Park, 27 May 2011.
- Presentations and discussions on three topics (George Washington, Jared Diamond, and Lynching), Hightstown High School, New Jersey, 31 January 2011.
- Interview regarding research via Skype with Overfelt High School students in San Jose, California, 27 January 2011.

## *History*

### *Other Accomplishments*

James Heinzen

- Created, together with the Honors Program, the Hollybush Fellowship; hired Dr. Elyssa Ford as first Hollybush Fellow

Melissa Klapper

- Annual History Internship Fair, October 2010

Janet Moore Lindman

- Organized Dean's Lecture by Dr. Daniel Richter, University of Pennsylvania, "William Penn and Native Americans, Revisited," Rowan Hall, February 23, 2011.

# Program Profiles

## *Law and Justice Studies*

### *List of Degree Programs*

- *Undergraduate:* B.A. in Law and Justice Studies
- *Graduate:* M.A. in Criminal Justice

### *List of Minors/Concentrations*

- Minor in Law and Justice Studies
- Sequence in traditional Liberal Studies B.A.
- Sequence in accelerated Saturday CGCE Liberal Studies B.A.

### *Students*

- Undergraduate Majors: 605 (Fall 2010); 622 (Spring 2011)
- Graduate Students: 9 (Fall 2010); 12 (Spring 2011)
- Notable student achievements: M.A. recipient Stephen Clipper was accepted with full funding to the PhD program at the University of Texas at Dallas.

### *Strategic Goals for 2010-2015*

2010-2011

- Take steps to increase student enrollment in our M.A. program
- Improve departmental assessment
- Enhance Rowan experience for our Camden students

2011-2015

- Take steps to increase student enrollment in our M.A. program
- Review and revise curriculum
- Make the case for additional tenure track lines

### *Permanent Faculty*

*Name:* Nadine M. Connell

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Program and Policy Evaluation, School Violence, Alcohol, Tobacco, and other Drug Prevention, Juvenile Delinquency, Capital Punishment

*Name:* Joseph D. Davey

*Highest degree(s) attained:* J.D., Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Law

## Law and Justice Studies

### Permanent Faculty

*Name:* Wanda Foglia

*Highest degree(s) attained:* J.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Theories of Crime, Death Penalty

*Name:* Allan Y. Jiao

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Policing, Research Methods,  
Comparative Criminal Justice

*Name:* Joseph D. Johnson

*Highest degree(s) attained:* M.A., Ph.D. anticipated 2011

*Rank:* Instructor

*Area(s) of Expertise:* Gun, Gang and Violence Prevention  
and Programming

*Name:* Christine A. Saum

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Theories of Crime, Corrections,  
Public Policy

*Name:* Natalie Schell-Busey

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* White-Collar Crime, Gender and  
Crime, Theory, Meta-Analysis

*Name:* Michael S. Vigorita

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Corrections, Maritime Crime

*Name:* Michael S. Weiss

*Highest degree(s) attained:* J.D., Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Law, Criminal Courts,  
Public Defenders

*Name:* Stanley B. Yeldell

*Highest degree(s) attained:* J.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Law, Victimology

### Faculty Awards

Nadine M. Connell

- Wall of Fame – Excellence in Advising

Allan Y. Jiao

- Rowan University 2011 Citation of Merit.

### Grants

Nadine M. Connell

- Primary Evaluator: New Jersey Department of Education Social Norms Project. Funded by the United States Department of Education, Office of Safe and Drug Free Schools.
- Primary Evaluator: New Jersey Consortium for Higher Education Sub-Award for Town/Gown Coalition Efficacy Evaluation at Rowan University.
- Primary Evaluator: New Jersey Office of Alcohol and Beverage Control Training Grant.

# Program Profiles

## *Law and Justice Studies*

### *Grants*

Christine A. Saum

- Assistant Professor Travel Grant

### *Scholarly Activities*

#### *Books*

Joseph D. Johnson (Book Chapter)

- Johnson, J. "Crime and Punishment in Djibouti." In *Crime and Punishment Around the World*, Edited by M. Nalla and G. Newman. Oxford, UK: ABC-Clio, 2010.
- Nalla, M. and J. Johnson. "Crime and Punishment in Angola." In *Crime and Punishment Around the World*, Edited by M. Nalla and G. Newman. Oxford, UK: ABC-Clio, 2010.

Christine A. Saum (Book Chapter)

- Leigey, M.E., Hodge, J.P., Saum, C.A. "Juveniles in Adult Facilities." In *Juvenile Crime and Justice: Key issues in Crime and Punishment Series* (vol. 5), edited by William Chambliss & Golson, G.J. Thousand Oaks, CA: Sage Publications, 2011.

#### *Periodicals*

Nadine M. Connell

- Rorie, M., Gottfredson, D.G., Cross, A., Wilson, D & Connell, N.M. (2011). "Structure and Deviancy Training in After-school Programs." *Journal of Adolescence*, 34, 105-117.
- Cross, A. B., Gottfredson, D. C., Wilson, D. M., Rorie, M., & Connell, N.M. (2010). "Implementation Quality and Positive Experiences in After-School Programs." *American Journal of Community Psychology*, 45, 370-380.

Wanda Foglia

- Bowers, W. J., Foglia, W. D., Ehrhard-Dietzel, S. & Kelly, C. E. (2010). "Jurors Failure to Understand or Comport with Constitutional Standards in Capital Sentencing: Strength of the Evidence." *The Criminal Law Bulletin* 46 (6): 1147-1229.

Allan Y. Jiao

- Jiao, Allan Y. (2010). "Controlling Police Corruption and Misconduct: A Comparative Examination between Hong Kong and New York." *Asian Journal of Criminology*, 5(1):27-44.

Joseph D. Johnson

- Bishop, D. M. Leiber, and J. Johnson. (2010). "Contexts of Decision Making in the Juvenile Justice System: An Organizational Approach to Understanding Minority Overrepresentation." *Journal of Youth and Justice*, 8(3):213-233.

Christine Saum

- Hiller, M. L., Saum, C.A., and Taylor, L. (2010). "Outcome Evaluation of a Driving Under the Influence (DUI) Court." *Offender Programs Report*, 13(6): 81-93.



## Law and Justice Studies

### Scholarly Activities

Christine Saum

- Hiller, M. L., Belenko, S., Taxman, F., Young, D., Perdoni, M., & Saum, C. (2010). "Measuring drug court structure and operations: Key components and beyond." *Criminal Justice and Behavior*. 37 (9): 933-950.

### Conference

Nadine M. Connell

- Connell, N.M., "Using norms to improve behavior: A long term evaluation of bullying prevention in middle schools." Paper presented at the Academy of Criminal Justice Sciences Meeting, Toronto, Ontario, Canada, March 2011
- Schell-Busey, N.M. & Connell, N.M., "BADGRLZ? Exploring gender differences in cyber-bullying." Paper presented at the Academy of Criminal Justice Sciences Meeting, Toronto, Ontario, Canada, March 2011.

Wanda Foglia

- Bowers, W. J., Foglia, W. D., Sandys, M., Vartkessian, E., & Kelly, C. E. "The Receptivity of Courts to Empirical Evidence of how Jurors Decide Death Penalty Cases: The Capital Jury Project (CJP) as a Case Study." Presented at Moving Beyond "Racial Blindsight"? The Influence of Social Science Evidence after the North Carolina Racial Justice Act: A Michigan State Law Review Symposium. Michigan State University College of Law, East Lansing, MI. 2011.
- Foglia, W.D. "What We Need to Know About Jurors." Presented at Capital Case Litigation Initiative: Spring Training. South Carolina Commission on Indigent Defense, Litchfield, SC. 2011.

Allan Y. Jiao

- Jiao, A. Y. "Police Policy and Practice in the United States." Pp. 377-385 in Collection of Papers from the First Symposium of Chinese Public Administration Scholars. Guangzhou: Zhongshan University. 2010.
- Jiao, A.Y. "Gun Cases in an Urban Center: Analyzing Weapon-related Offenses of a Local Police Department." Paper presented at the 10th Hawaii International Conference on Social Sciences in Honolulu, Hawaii, June. 2011.
- Jiao, A. Y. Session Chair for Cross-disciplinary Areas of Social Sciences at the 10th Hawaii International Conference on Social Sciences in Honolulu, Hawaii, June. 2011.

Joseph D. Johnson

- Narag, R. and Johnson, J. "In-Search of Accountability and Ongoing Conversations: A Proposal to Reduce Scholarly Garbage." Paper presented at the American Society of Criminology meeting. San Francisco, CA. November 2010.

Christine Saum

- Saum, C.A., Hiller, M.L., and Hayes, L. "Predictors of Retention in a Driving Under the Influence (DUI) Court in Wisconsin," Paper presented at the American Society of Criminology meeting, San Francisco, CA. November 2010.
- Hiller, M.L., and Saum, C.A., "Recidivism Outcomes in a DUI Court," Paper presented at the American Society of Criminology meeting. San Francisco CA. November 2010.

# Program Profiles

## *Law and Justice Studies*

### *Conference*

Christine A. Saum

- Saum, Christine A. Panel Chair for “Driving Under the Influence (DUI) Courts.” American Society of Criminology meeting. San Francisco, CA. November 2010.

Natalie Schell-Busey

- Schell-Busey, N.M. & Connell, N.M., “BADGRLZ? Exploring gender differences in cyber-bullying.” Paper presented at the Academy of Criminal Justice Sciences Meeting, Toronto, Ontario, Canada, March 2011

### *Other Scholarly Activity*

Nadine M. Connell (Grant Reports)

- With Negro, P & Pearce, A.N. 2011. An evaluation of social norms programs in New Jersey, 2005-2011. Final Report to the New Jersey Department of Education.
- 2011. Making changes on campus and in communities. Final Report to the New Jersey Office of Alcohol and Beverage Control.

Nadine M. Connell (Invited Presentations)

- December 2010. Preliminary results from a 5 year social norms evaluation. New Jersey Department of Education. Trenton, NJ.
- With Pearce, A.N. January 2011. Social norms results and tool-kit training. New Jersey Department of Education. Trenton, N.J.
- May 2011. Social norms results and tool-kit training. New Jersey Department of Education. Trenton, NJ.

Nadine M. Connell (Poster Presentations)

- With Pearce, A.N. April 2011. Glassboro/Rowan University Town/Gown Coalition to Address Alcohol Abuse in Our Community. Presented at the New Jersey Consortium for Higher Education Meeting. West Windsor, NJ.

Wanda Foglia (Consultant)

- Consulted about research on capital jury decision making as an expert witness in the following death penalty cases:
  - o United States v. Larry Lujan, USDC NM 05CR942, a death penalty case in Federal Court in New Mexico
  - o People of Illinois v. Eric Hogan, No. 07 CR 14647, a death penalty case in Cook County, Illinois
  - o State of Texas v. John E. Green, No. 1170853, a death penalty case in Harris County, Texas

Allan Y. Jiao (Technical reports)

- (2011). Atlantic City Gun Project: Technical Report. Written for and presented to the Atlantic City Police Department in May.
- (2011). Atlantic City Gun Project Codebook: A Comprehensive codebook for weapon-related cases with ten information categories and over three hundred variables.

## *Law and Justice Studies*

### *Other Scholarly Activity*

Christine Saum (Consultant)

- Center for Drug & Alcohol Studies, University of Delaware on the Criminal Justice Drug Abuse Treatment Studies II (CJ-DATS II), National Institute on Drug Abuse, National Institutes of Health multi-site research project.

### *Other Departmental Accomplishments*

- Law and Justice Day (October 7, 2010). Natalie Schell-Busey and Nadine M. Connell, co-advisors for Alpha Phi Sigma, the Law & Justice Honor's Society, organized the first annual Law & Justice Day on campus in cooperation with Rowan's Department of Public Safety. This was a full day event open to the entire university to showcase local law enforcement, and included a keynote address from Senator Madden and demonstrations from Gloucester County K-9 units, SWAT, Camden County Sheriff's Department Bomb Squad, and a vehicular homicide re-enactment from Rowan's own Chief Michael Funk.
- Dean's Distinguished Lecture: Dr. Eli Silverman of the John Jay College of Criminal Justice- "New York City's Crime Statistics: Truth or Fiction?" (October 14, 2020). Ever since the NYPD introduced Compstat in 1994, numerous law enforcement agencies have adopted this managerial accountability system. New York has claimed that index crime has decreased over 76 percent due to this managerial reform. This lecture examines the extent of pressures which police managers believe they are exposed to at Compost as well as how those pressures influence unethical crime reporting.
- Law School Fair (November 10, 2010). Dr. Michael Weiss, Rowan University Law School advisor and faculty advisor to the Pre-Law Society, organized Rowan's sixth annual Law School Fair, at which 24 law schools (from New Jersey, New York, Pennsylvania, Delaware, Massachusetts, Rhode Island, Connecticut, Florida, Maryland, and Washington, D.C.) and approximately 150 students were in attendance.
- Pre-Law Society Guest Speaker: Barbara Ayars, Assistant Dean of Admissions, Widener Law School (November 22, 2010). "The Law School Admissions Process." Arranged by Dr. Michael Weiss, Rowan University Law School advisor and faculty advisor to the Pre-Law Society.
- Alpha Phi Sigma "RU Living Smart Fair" (December 2010). Organized by Natalie Schell-Busey and Nadine M. Connell, co-advisors for Alpha Phi Sigma, the Law & Justice Honor's Society.
- Alpha Phi Sigma Annual Induction and Law and Justice Studies Awards Ceremony (May 2011). Organized by Natalie Schell-Busey and Nadine M. Connell, co-advisors for Alpha Phi Sigma, the Law & Justice Honor's Society. New undergraduate and graduate members of Alpha Phi Sigma inducted, law & Justice awards given out and reception held for students, family and friends.
- Criminal Justice Career Fair (April 6, 2011). The annual Career fair, sponsored by the Gamma chi Sigma (the Law and Justice Club) and the Victim Awareness Club, and arranged by Dr. Stanley B. Yeldell featured approximately 20 local state, federal and private criminal justice agencies and several guest speakers.
- Pre-Law Society Guest Speaker: Paul Santangini, Assistant State Attorney General (April 18, 2011). "Tips for Prospective Law Students and the Life of a Prosecutor." Arranged by Dr. Michael Weiss, Rowan University Law School advisor and faculty advisor to the Pre-Law Society.

# Program Profiles

## *Liberal Studies: Math/Science*

### *Students*

- Undergraduate majors: 94

### *Strategic Goals for 2010-2015*

2010-2011

- Admit more students into the new cohort earlier in the students' time at Rowan
- Assure or further develop cohesion among courses

2011-2015

- Assess usefulness of program as a coordinate major for elementary education
- Assemble an advisory board
- Investigate expansion to a second cohort

### *Faculty*

- Courses are housed and taught within the departments of Mathematics, Biological Sciences, Chemistry & Biochemistry, Physics & Astronomy, Philosophy & Religion and Computer Science.

## *Liberal Studies: Humanities/Social Sciences*

### *Program Summary*

Liberal Studies: Humanities/Social Science (LSHSS) was developed to provide students a flexible program of study within the humanities and social sciences that ensures they will graduate with the analytic skills and critical thinking expected of all college students. The Program Sequence structure of the LSHSS major allows for all University Colleges to participate by proposing new course sequences through the University Senate curriculum proposal process. LSHSS was also designed to offer a flexible but rigorous academic program for non-traditional students to earn the degree through the College of Graduate and Continuing Education (CGCE). The LSHSS major began fall 2007 with 17 Program Sequence choices.

LSHSS is an interdisciplinary major that as of July 2011 offers students the choice of 28 Program Sequences. The BA in LSHSS requires a total of 120 credits; 60 credits of General Education and Rowan Experience courses plus 60 credits comprised of two Sequences and Free Electives. Sequence course requirements are established and offered by individual departments within four Rowan Colleges:

- College of Liberal Arts & Sciences
- College of Communication
- College of Business
- College of Fine & Performing Arts

### *List of Degree Programs*

- BA-HUMSOCSCI: LSHSS choice of two Sequences from among 28 Sequence options
- BA-ELEDHSS: Dual major for Elementary Education; must choose Sequences eligible for Teacher Certification
- BA-ECHEDHSS: Dual major for Early Childhood Education; must choose Sequences eligible for Teacher Certification
- .BOBA-HUMSS: CGCE Online degree completion; designated Sequences are Philosophy & Religion and Public Relations in the Workplace
- .BMBA-HUMSS: CGCE Saturday Studies Program degree completion; designated Sequences are Law & Justice and Business

### *Students*

- BA-HUMSOCSCI: 284
- BA-ELEDHSS: 96
- BA-ECHEDHSS: 42
- .BOBA-HUMSS: 27
- .BMBA-HUMSS: 15
- Total number of LSHSS students: 464

### *Faculty*

- The LSHSS major is facilitated by one full time Program Coordinator who is also the Academic Advisor for all LSHSS students.

# Program Profiles

## Mathematics

### List of Degree Programs

- *Undergraduate:* B.A. in Mathematics, B.S. in Mathematics, B.S./M.A. Accelerated Dual Degree
- *Graduate:* B.S./M.A. Accelerated Dual Degree, M.A. in Mathematics
- *Certificate of Graduate Study:* Middle School Mathematics, Secondary Education

### List of Minors/Concentrations

- Minor in Mathematics Concentration in Applied Mathematics Concentration in Statistics and Operations Research

### Students

- Undergraduate Majors: 359
- Graduate Majors: 29

### Notable Students Achievements

- Meritorious Winners, COMAP Modeling Contest
- Goldwater Scholarship Winner
- A top 26% rated Putnam Student

### Strategic Goals for 2010-2015

2010-2011

- Course Approval for MS Biomathematics Initiative
- Increases in Math Faculty Promotion
- Increase Use and Scope of Math Learning Center

2011-2015

- MS Biomathematics Initiative
- Ph.D. Biomathematics Initiative
- Data Mining Initiative

### Permanent Faculty

*Name:* Abera Abay  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor  
*Area(s) of Expertise:* Probability

*Name:* Khaled Amer  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Assistant Professor  
*Area(s) of Expertise:* Mathematical Logic

## Mathematics

### Permanent Faculty

*Name:* Norman Beil

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor (FTT)

*Area(s) of Expertise:* Applied Mathematics

*Name:* Janet Caldwell

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Math Education

*Name:* Ronald Czocho

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Biomathematics

*Name:* Abdul Hassen

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Number Theory

*Name:* Karen Heinz

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Math Education

*Name:* Marlena Herman

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Math Education

*Name:* Larry Howe

*Highest degree(s) attained:* B.A.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Series of Functions of a Complex Value

*Name:* Olcay Ilicasu

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Numerical Analysis

*Name:* Gary Itzkowitz

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Operator Theory

*Name:* Christophe Lacke

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Decision Analysis/Operations  
Research

*Name:* Paul Laumakis

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Applied Mathematics/Probability

*Name:* Ming-Sun Li

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Algebra

*Name:* Eric Milou

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Math Education

*Name:* Hieu Nguyen

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Differential Geometry

*Name:* Thomas Osler

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Special Functions/Fractional  
Derivatives

*Name:* Jay Schiffman

*Highest degree(s) attained:* M.A.

*Rank:* Instructor

*Area(s) of Expertise:* Number Theory

# Program Profiles

## Mathematics

### Permanent Faculty

*Name:* Laura Schultz  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Assistant Professor  
*Area(s) of Expertise:* Probability

*Name:* Christopher Simons  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor  
*Area(s) of Expertise:* Group Theory/Finite Mathematics

*Name:* Umashanger Thayasivam  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Assistant Professor  
*Area(s) of Expertise:* Statistics

*Name:* Evelyn Weinstock  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Assistant Professor  
*Area(s) of Expertise:* Differential Equations

*Name:* Dexter Whittinghill  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Associate Professor  
*Area(s) of Expertise:* Statistics/Experimental Design/  
Statistics Education

*Name:* Marcus Wright  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Assistant Professor  
*Area(s) of Expertise:* Complex Analysis

*Name:* Xiaoming (Jim) Zeng  
*Highest degree(s) attained:* Ph.D.  
*Rank:* Full Professor  
*Area(s) of Expertise:* Functional Analysis

### Grants

Janet Caldwell

- Janet Caldwell (PI) – NJ Department of Education Improving Teacher Quality Partnership (ITQP) Grant 2010-2013 (\$260,000 Year 2)

Karen Heinz

- Karen Heinz (PI) – NJ Department of Education Mathematics and Science Partnership (MSP) Grant 2010-2012 (\$592,000 per year)

### Other Accomplishments

- Screening of “Top Secret Rosies” by Producer/Director



## Mathematics

### Scholarly Activity

#### Books

Janet Caldwell

- With Karen Karp, and Jennifer Bay-Williams. *Developing Essential Understanding of Addition & Subtraction*. Reston, VA: National Council of Teachers of Mathematics, 2011.
- With Otto, Albert Dean, Cheryl Ann Lubinski, and Sarah Wallus Hancock. *Developing Essential Understanding of Multiplication & Division*. Reston, VA: National Council of Teachers of Mathematics, 2011.

Gary Itzkowitz

- With Hassen, Abdul, Nguyen, Hieu, Schiffman, Jay. *Mathematica Manual for Calculus (2nd Edition)*. New York: W. H. Freeman and Company, 2011.

#### Journals

Marlena Herman

- (In press, to appear June 2011). “Testing Associativity of a Binary Operation on a Set of Elements using Other Properties of Arithmetic.” *New Jersey Mathematics Teacher*. Vol 68, Issue 2, Pages 17-26.
- With Meagher, M., Owens, D., & Abrahamson, L. (accepted May 12, 2011). “Classroom Communication Systems In The Mathematics Classrooms: Student Learning And Engagement.” *Brief Research Report in Proceedings of the 33rd International Conference for the Psychology of Mathematics Education—North American Chapter (October 2011): Reno, Nevada*.
- (Accepted March 23, 2010). *Exploring Conics: Why Does B2-4AC Matter?* *Mathematics Teacher*.

Paul Laumakis

- “Analyzing Highway Speeding Data in the Statistics Classroom.” *Mathematics Teacher* (accepted for publication – to appear October 2011).

Thomas Osler

- The tables of John Wallis and the discovery of his product for pi. *The Mathematical Gazette*, 94(2010), pp. 430-437.
- Morphing Lord Brouncker’s Continued Fraction for pi into the Product of Wallis. *The Mathematical Gazette* 95(2011), pp. 17-22.
- Euler’s parallel oblique angled diameters, *The Mathematical Gazette*, 95(2011), pp. 40-48.
- The perimeter of an ellipse, (with Tirupathi R. Chandrupatla). *The Mathematical Scientist*, 35(2010), pp. 122-131.

# Program Profiles

## *Mathematics*

### *Scholarly Activity*

Jay Schiffman

- “Divisibility and Periodicity in the Fibonacci Sequence,” *The Mathematical Spectrum*, Volume 43 2010/2011 Number 3, Pages 120-124.
- “Dozenal Home Primes,” *The Duodecimal Bulletin*, Vol. 4; No. 2; Year 11 (2010.) Pages 11 - 21.
- Abdulkadir Hassen, Gary S. Itzkowitz, Hieu Duc Nguyen, *Mathematica Manual to Accompany Rogawski’s Calculus – Early Transcendentals, Second Edition*, New York, NY 2011 (2011), Freeman Custom Publishing.
- Exploring Prime quadruples Less Than Ten Billion, *The Mathematical Spectrum* (Letter of acceptance from Editor David Sharpe, July 2010).

### *Presentations*

Janet Caldwell

- “Seeing & Doing Math: Building Understanding with Games & Manipulatives.” Association of Mathematics Teachers of New Jersey 22nd Annual Two-Day Conference, October 21-22, 2010.
- With Eric Milou. “NJ Math & Science Education Coalition: Issues in Math Education.” Association of Mathematics Teachers of New Jersey 22nd Annual Two-Day Conference, October 21-22, 2010.
- “Areas, Arrays, and Algorithms: Connecting Geometry to Multiplication and Division.” National Council of Teachers of Mathematics Annual Meeting, Indianapolis, April 13-16, 2011.
- With Milou, Eric and Robert Riehs. “NJ DOE Update on Common Core Math Standards.” New Jersey Education Association Annual Meeting, Atlantic City, November 2010.
- “Getting Ready for the Common Core.” Association of Mathematics Teachers of New Jersey Common Core Conference, Somerset NJ, January 13, 2011.
- “Number Sense and Numerical Operations for Special Education.” AMTNJ Special Education Conference, December 2, 2010.

## Mathematics

### Scholarly Activity

Marlena Herman

- With Laumakis, P. “Exploring Conic Sections and their Equations using TI-Nspire CAS.” National Council of Teachers of Mathematics Regional Conference, Denver, CO, October 7-8, 2010.

Eric Milou

- “Teaching Number Sense to the iGeneration.” Presented at the National Council of Teachers of Mathematics Annual Meeting, Indianapolis, IN, April 2011.

Paul Laumakis

- With Herman, Marlena “Exploring Conic Sections and Their Equations Using TI-Nspire.” Paper presented at the National Council of Teachers of Mathematics Regional Conference, Denver, CO, October 7-8, 2010.

Thomas Osler

- Euler’s paper E83 in which he finds curves that share properties with the conic sections. Presented at the Ninth Annual Meeting of the Euler Society at Adelphi University, Garden City, NY on July 20, 2010.
- Unexpected connections between three old famous formulas for pi. Presented at “The DIMACS-Rutgers Experimental Math Seminar.”
- Expressions with Pi and the lemniscates constant expanded as infinite products and continued fractions. Presented at the National Meeting of the American Mathematical Society on January 8 2011 in New Orleans.

Jay Schiffman

- “The Role Played by the TI-89 in Resolving Divisibility Questions,” Contributed Paper Session, Conference Proceedings from the Twenty-Second International Conference on Technology in Collegiate Mathematics, Pages 289-296, The Twenty-Second International Conference on Technology in Collegiate Mathematics, Chicago, IL, March 2010, Addison-Wesley and Prentice Hall, Copyright 2011 by Pearson Education, Inc.
- “Utilizing CAS Technology to Explore Factoring and Primality,” Conference Proceedings from the Twenty-Second International Conference on Technology in Collegiate Mathematics, Pages 297-306, The Twenty-Second International Conference on Technology in Collegiate Mathematics, Chicago, IL, March 2010, Addison-Wesley and Prentice Hall, Copyright 2011 by Pearson Education, Inc.

# Program Profiles

## Mathematics

### Scholarly Activity

Jay Schiffman

- Exploring Prime Quadruples Less Than Ten Billion, Abstracts of Papers Presented at MathFest 2010 Pittsburgh, PA, August 5-7, 2010, Page 45, Recreational Mathematics: New Problems and New Solutions, Date of Presentation: 08/07/10, Copyright 2010 by The Mathematical Association of America, Inc.
- Exploring Discrete Mathematics With TI N-Spire, Kentucky Council of Teachers of Mathematics, The KCTM Annual Conference, Program Booklet, Pages 23 and 34, The Center For Rural Development, Somerset, KY, October 2010, Dates of Presentation: 10/01/10 and 10/02/10.
- Exploring Geometric Transformations and Method of Finite Differences With The TI-84, Kentucky Council of Teachers of Mathematics, The KCTM Annual Conference, Program Booklet, Pages 16 and 42, The Center For Rural Development, Somerset, KY, October 2010, Dates of Presentation: 10/01/10 and 10/02/10.
- Exploring Rich Problem Solving Activities with the Sum of a Finite Geometric Progression, The Association of Mathematics Teachers of New Jersey 22nd Annual Conference: Tools of the Trade: Math Curriculum, Instruction, Assessment and Professional Development, AMTNJ Program Booklet, Session 35, Page 22, The 22nd AMTNJ Annual Conference, Somerset, NJ, October 14-15, 2010, Date of Presentation: 10/14/10.
- Patterns, Sequences and Functions, The Association of Mathematics Teachers of New Jersey 22nd Annual Conference: Tools of the Trade: Math Curriculum, Instruction, Assessment and Professional Development, AMTNJ Program Booklet, Session 102, Page 39, The 22nd AMTNJ Annual Conference, Somerset, NJ, October 14-15, 2010, Date of Presentation: 10/15/10.
- Exploring Prime Quadruples Less Than Ten Billion, The Mathematics Colloquium at Rowan University, Glassboro, NJ (An Expanded Version of The MathFest Talk), Mathematics Department Flyer, Date of Presentation: 10/27/10.
- Enhancing Problem Solving Competency via the Utilization of Technology, AMTNE 2010 Association of Teachers of Mathematics in New England AMTNE Fall Conference, Program Booklet, Session 38, Page 20, The Radisson Hotel, Nashua, NH, November 8-9, 2010, Date of Presentation: 11/08/10.
- Number Theory: Its History and Open Problems, The 59th Annual PCTM Conference: RU Ready For A Digital World, The Pennsylvania Council of Teachers of Mathematics, The Radisson Penn Harris Hotel, Camp Hill, PA, November 11-12, 2010, Program Booklet, Session 38, Page 12, The Radisson Hotel, Nashua, NH, November 10-12, 2010, Date of Presentation: 11/11/10.
- Exploring Induction and Recursion With the TI N-Spire CAS, The South Jersey Mathematics Alliance at Rowan University, Glassboro, NJ, Theme: Exploring Mathematics With The TI N-Spire Mathematics Department Flyer, Date of Presentation: 12/10/10.

## Mathematics

### Scholarly Activity

Jay Schiffman

- “Some Prime Curiosities, Preliminary Report,” The Joint Mathematics Meetings, January 6-9, 2011, New Orleans, LA, General Contributed Papers Session, Volume 32, Number 1, Issue 163, Winter 2011, Page 402, Date of Presentation: 01/07/11.
- Exploring Special Functions with CAS Technology, The 25th Good Ideas in Teaching Precalculus and..., Rutgers – The State University of New Jersey Schedule of Abstracts Booklet, Page 3, March 2011, Rutgers University, Piscataway, NJ, Date of Presentation: 03/18/11.
- Utilizing Truth Tables to Furnish Some Neat Mathematical Properties, General Contributed Papers Session, The Mathematical Association of America, The New Jersey Section Meeting in Conjunction with the 8th Annual Garden State Undergraduate Mathematics Conference (GSUMC), April 2, 2011, Page 6 in the MAANJ Meeting Program Booklet, Essex County College, Newark, NJ, Date of Presentation: 04/02/11.
- Modular Arithmetic: A Delightful Excursion Into Mathematical Discovery: The 89th NCTM Annual Meeting and Exposition, A Gallery Workshop, Session 410, Indianapolis, IN, April 13-16, 2011, Date of Presentation: 04/15/11.
- A Fifteen Favorite Integer Sequences, Mainly Research Talks Session, The Metropolitan New York Session of The MAA on Page 3 of The Metro NYMAA Program Booklet, May 1, 2011, The Simons Center for Geometry and Physics, The State University of New York at Stonybrook (SUNY), Date of Presentation: 05/01/11.
- With Gary S. Itzkowitz Panel Discussion Moderators on The Common Core State Standards For Mathematics, The South Jersey Mathematics Alliance, Rowan University, Glassboro, NJ, Date of Session: 05/12/11.

Laura Schultz

- “Babies, Birthdays, and Benford’s Law: Explorations in Probability.” Presentation at Rowan Sciences Day, Glassboro, NJ, April 8, 2011.
- “The Birthday Paradox: A Monte Carlo Simulation Activity.” Best Practices Night presentation at the Advanced Placement Statistics Reading, Daytona Beach, FL. June 11-19, 2011.

# Program Profiles

## Mathematics

### Other Scholarly Activity

Marlena Herman

- Chair. South Jersey Math Alliance conferences, Rowan University, Glassboro, NJ, December 10, 2010 and May 12, 2011.
- Reviewed 3 manuscripts submitted to *Mathematics Teacher* (National Council of Teachers of Mathematics), as well as 1 manuscript submitted to the *Ohio Journal of School Mathematics* (Ohio Council of Teachers of Mathematics), 06/01/2010 – 05/31/2011

Lacke Christopher

- Chair, Mathematical Contest in Modeling. The Math Team of Jackie Huynh, Jennifer Hoxworth and Malik Ahmed competed in the Mathematical contest in Modeling this year against 2,775 teams. They earned the “Meritorious Winner” category putting them in the top 15% in the world. On the “A” problem, only three teams from the USA scored higher. Our team beat the teams from MIT, Brown, Tufts, The University of Pennsylvania, John Hopkins, Princeton, The U.S. Air Force Academy, Harvard and Duke to name just a few.

Paul Laumakis

- Facilitator, ACES Grant for K-12 Mathematics Teachers. July 2010-June 2011.

Thomas Osler

- Sponsored the project of Eric Jones, A selection of numbers whose irrationality can be determined by Diophantine approximation at the Undergraduate Poster Session of the National Meeting of the American Mathematical Society in New Orleans on January 8, 2011.

Jay Schiffman

- The Regional Conference at Molloy College, Rockville Center, NY, November 5-6, 2010. Dates of Attendance: 11/05/10-11/06/10.
- The Special Education Conference sponsored by The Association of Mathematics Teachers of New Jersey, The Crowne Plaza, Jamesburg-Monroe, Jamesburg, NJ, Date of Attendance: 12/02/10.
- The New Jersey Based Standards Conference sponsored by The Association of Mathematics Teachers of New Jersey, The Crowne Plaza, Somerset-Bridgewater, Somerset, NJ, Date of Attendance: 01/12/11.
- Attended the Fifth Annual Conference of The New Jersey Association of Mathematics Teacher Educators which convened at The College of New Jersey in May 2011. Date of Attendance: 05/20/11.
- Reviewed Articles as Associate Editor of *The New Jersey Mathematics Teacher – Journal of The Association of Mathematics Teachers of New Jersey*.
- Took the minutes as secretary for The New Jersey Association of Mathematics Educators (NJAMTE). Meetings were held at The College of New Jersey.

## *Philosophy and Religion*

### *List of Degree Programs*

#### Undergraduate

- Bachelor degree in Philosophy and Religion Studies with specialization in Philosophy
- Bachelor degree in Philosophy and Religion Studies with specialization in Religion Studies

### *List of Minors/Concentrations*

- Minor in Philosophy
- Minor in Philosophy and Religion Studies
- Concentration in Philosophy and Religion Studies
- Concentration in Ethics
- Philosophy and Religion Studies Sequence in Liberal Studies: Humanities and Social Sciences

### *Students*

- Total number of majors: 23; graduating 9
- Total numbers of minors: 37

### *Strategic Goals for 2010-2015*

#### 2010-2011

- Increase number of majors and minors: Majors reach 21-25; Minors reach 31-35 (counting in students in our sequence in the LHSS and in the CPCE )
- Diversify intermediate- and upper-level course offerings to our majors/minors
- Help raising fund for an annual scholarship of \$1000 in World Philosophy and Religion Studies for our majors

#### 2011- 2015

- Increase number of majors and minors: Majors reach 50; Minors reach 50
- Reach out, establish and develop relationships with some county college philosophy programs and high school philosophy clubs for the recruitment of freshmen and transfers
- Participate in the curricular development of Rowan-Cooper Medical School and corresponding programs through courses in bio-medical and other professional ethics

### *Permanent Faculty*

*Name:* Dianne Ashton

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* American Judaism, Women in Judaism

*Name:* Youru Wang

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Asian Religions/Philosophies  
World Religions

# Program Profiles

## *Philosophy and Religion*

### *Permanent Faculty*

*Name:* David Clowney

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Aesthetics

*Name:* Ellen Miller

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Ethics, Feminist Philosophy

*Name:* Matt Lund

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Philosophy of Science, Cognitive Science

### *Grants*

- Internal grants: Grant for Service Learning from the Center for Service and Volunteerism and from the Faculty Center for Excellence in Teaching and Learning, Ellen Miller

### *Scholarly Activities*

#### *Books*

- Lund, Matthew, "Introduction for Constellations and Conjectures," in Norwood Russell Hanson, *Constellations and Conjectures*, Dordrecht, Holland: Springer Press, 2011
- Lund, Matthew, "Introduction for What I Do Not Believe and Other Essays," in Norwood Russell Hanson, *What I Do Not Believe and Other Essays*, Dordrecht, Holland: Springer Press, 2011

#### *Periodicals*

- Clowney, David, "Definitions of Art and Fine Art's Historical Origins." *The Journal of Aesthetics and Art Criticism* vol. 69, no. 3 (2011)
- Wang, Youru, "Paradoxicality of Institution, De-Institutionalization and the Counter-Institutional—A Case Study in Classical Chinese Chan Buddhist Thought," *Dao: A Journal of Comparative Philosophy*, vol. 10, December 2011, forthcoming

#### *Conference activity*

- Clowney, David, Comments on Cynthia M. Grund and William Westney, "Embodying Music: Susanne K. Langer's Ideas of 'Living Form' and Martin Buber's Notion of *verwirklichen* as These Apply to Group Exercises in a Classical-Music Workshop," paper presented at the annual meeting of the American Society for Aesthetics, Victoria, British Columbia, Canada, October 27–30, 2010.
- Clowney, David, Comments on James Harold, "On the Idea that Music Shapes Character," paper presented at the annual eastern division meeting of the American Society for Aesthetics, Philadelphia, Pennsylvania, April 7–8, 2011.



## *Philosophy and Religion*

### *Scholarly Activities*

- Clowney David, “Four Environmental Virtues,” paper presented to Philosophy and Religion Department Colloquium, Rowan University, November 17, 2010.
- Miller, Ellen, “Sylvia Plath and White Ignorance: A Phenomenology of Race and Gender,” paper presented to Body, Philosophy and Art Conference, York University, Toronto, Canada, April 2-3, 2011
- Miller, Ellen, “The Giving Tree and Environmental Philosophy: Listening to Deep Ecology, Feminism and Trees,” paper presented to the conference by International Association for the Study of Environment, Space and Place, Towson University, Baltimore, MD, March 11-12, 2011

### *Other Scholarly Activity*

- Lund, Matthew, “Facts, Faith and Tolerance,” lecture given to Science and Religion Series, Center for Civic Leadership and Responsibility, Camden County College, New Jersey, Nov. 2, 2010
- Lund, Matthew, “Nietzsche,” lecture given to Woodstown Philosophical Society, Friends Village, Woodstown, New Jersey, Sep. 10, 2010
- Wang, Youru. Member of Editorial Board for the Dao: A Journal of Comparative Philosophy published by Springer; reviewer of journal article for Dongwu Journal of Philosophical Studies published in Taiwan

### *Other Departmental Accomplishments*

- First time award the Annual Charles W. Fu Scholarship in World Philosophy and Religion Studies of \$500 each to two students of philosophy/religion major

# Program Profiles

## *Physics and Astronomy*

### *List of Degree Programs*

- *Undergraduate:* B.S. Physics, B.S. Physics – Photonics Specialization, B.S. Physical Science-Physics Specialization

### *List of Minors/Concentrations*

- Materials Science, Astronomy

### *Students*

- Total number of majors: B.S. Physics (96), B.S. Physical Science-Physics (15)

#### *Notable Student Achievements*

- Jasen Scaramazza ('12) Barry M. Goldwater Fellowship (\$7500)
- Mitchell Dorrell ('13) Honorable Mention Goldwater Fellowship
- Rowan University Society of Physics Students - Chapter received Outstanding Chapter Award for 2011 from National Organization
- Catherine Booth ('11) NSF REU Summer 2010 Research Program at Caltech in geophysics
- Catherine Booth ('11) Accepted and will attend Brown University to study geophysics
- Andrew Hodges ('11) Accepted and will attend Columbia University to study atmospheric physics
- Brian Arnold ('11) Accepted and will attend SUNY Stony Brook to study physics
- Richard Pultar ('11) Accepted and will attend San Diego State to study photonics
- Brian Arnold ('11) NJ Space Grant Student \$1000 Scholarship
- Mitchell Dorrell ('13) NJ Space Grant Student \$2000 Scholarship
- Kevin Feller ('11) Poster presentation 2011 American Physical Society Meeting, Dallas TX, March 21-25, 2011.
- Emma Cortes ('11), Christopher Gallagher ('11), Christopher Walker ('11) Poster presentation, conference proceedings 2011 Techcon, SVC Technical Conference and Exhibit, Chicago, IL April 16-21, 2011.
- Brian Arnold ('11) NJSG Summer Student Fellowship (\$6000)
- Yoshi Araki ('13) NJSG Summer Student Fellowship (\$6000)
- Emma Cortes ('11) NJSG Student Travel Grant (\$400)
- Kevin Feller ('11) NJSG Student Travel Grant (\$400)
- Christopher Gallagher ('11) NJSG Student Travel Grant (\$400)

### *Strategic Goals for 2010-2015*

2010-2011

- Support student opportunity for research and mentorship
- Provide strong advising for curricular, research, future plans for students and exposure to external resources
- Contribute to the creation and support of new biomedical sciences programs

## Physics and Astronomy

### Strategic Goals for 2010-2015

2011-2015

- Achieve and maintain optimal expertise in materials, photonics and applications in biomed science
- Develop Recruitment Strategies to increase academic strength and diversity of students
- Reduce reliance on adjuncts and improve adjunct quality

### Permanent Faculty

*Name:* Donald Farnelli

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Astronomy and Earth Science

*Name:* Eduardo Flores

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Theoretical High Energy Physics

*Name:* Erick Guerra

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Radio Astronomy and Astrophysics

*Name:* Jeffrey Hettinger

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Experimental Condensed Matter Physics

*Name:* David Klassen

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Planetary Science

*Name:* Michael Lim

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Atomic, Molecular and Optical Physics

*Name:* Hong Y. Ling

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Theoretical Atomic, Molecular and Optical Physics

*Name:* Samuel Lofland

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Experimental Condensed Matter Physics

*Name:* Karen Magee-Sauer

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Planetary Science

# Program Profiles

## Physics and Astronomy

### Visiting Faculty

*Name:* Tabbetha Dobbins

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Materials Science, Synchrotron X-ray Studies  
Biomed. Applications

*Name:* Tatjana Miletic

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Experimental Particle Physics

*Name:* Ben Kain

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Theoretical Particle Physics

### Faculty Awards

- Hong Y. Ling, 2011 Rowan University Research Achievement Award
- Jeff Hettinger, 2011 Wall of Fame Advising/Mentoring

### Grants

Jeff Hettinger

- MRI R2: Acquisition of a four circle x-ray diffractometer for use in undergraduate materials research and education, Co-PI, Source of Support: National Science Foundation, Total Award Amount: \$289,946, 1/01/10-12/31/11.
- “Synthesis and Characterization of Thin-films for Biomedical, Protective Coating, and ‘On-chip’ Energy Storage Applications”; CLAS Summer Grant, \$3,000. 7/1/10-8/30/10.

David Klassen

- “Measuring Ice Abundances in Martian Clouds”, PI, National Science Foundation Planetary Astronomy RUI, 1 Sep 2010–31 Aug 2013, \$281,640
- Career Development: AAPT travel for lab instruction improvement FY 11 \$1350

Michael Lim

- RUI Grant, National Science Foundation/US Department of Energy Partnership in Basic Plasma Science and Engineering, PI, \$189,000, 2006-present.

Hong Ling

- 2010-2012: “Coupled atom-polar molecule condensate systems: a theoretical adventure”, Principle Investigator, Army Research Office, \$175,000.

## Physics and Astronomy

### Grants

Hong Ling

- 2010-2012: “Coupled atom-polar molecule condensate systems: a theoretical adventure”, Principle Investigator, National Science Foundation, \$75,000.

Sam Lofland

- “Materials World Network: Study of Lattice Dynamics and Phonon, Magnon and Electro-magnon Interactions in rare earth manganite multiferroics,” NSF, \$90,000 09/01/09 - 08/30/12
- “RUI: Magneto-mechanical coupling in isotropic vs. anisotropic, hard vs. soft-magnetic magnetorheological elastomers,” NSF, \$78,000, 09/01/09 - 08/30/12
- “MRI R2: Acquisition of a four-circle x-ray diffractometer for use in undergraduate materials research and education,” NSF, \$262,000, 02/15/10 - 12/31/11
- “MRI-R2: Acquisition of an X-ray Computed Tomography System with Loading Capabilities,” NSF, \$303,000, 01/01/10 - 12/31/11
- “Multifunctional Magnetic Sensors,” Navy, \$35,000, 02/10/10-02/09/11

Karen Magee-Sauer

- New Jersey Space Grant: Rowan Summer Physics Research Program (\$18,000)
- NSF ADVANCE Conference Travel Grant, November 2010
- Instructional Technology Summer 2010 Grant \$2000. “Video Demos and Video Solutions in Physics & Astronomy Courses”

Tatjana Miletic

- Sub-award NSF Research Grant: “Systems to Increase Neutrino Detection Precision with the Double Chooz Detectors” \$80,000

### Scholarly Activity

Tabbatha Dobbins

#### *Refereed Journal Articles*

- With Chevious R., Lvov Y., “The Behavior of Na<sup>+</sup>-Polystyrene Sulfonate at the Interface with Single-Walled Carbon Nanotubes (SWNTs) and Its Implication to SWNT Suspension Stability”, *Polymers*, in press (2011).

#### *Conference activity*

- Dept. of Energy, Basic Energy Sciences Contractor’s Meeting “Ultras-small-Angle X-ray Scattering (USAXS) Studies on the Effect of Transition Metal (Ti<sup>2+</sup>, Ti<sup>3+</sup>, V<sup>3+</sup>, Fe<sup>3+</sup>, and Zr<sup>4+</sup>) Dopants in NaAlH<sub>4</sub> Powders”, Airlie Conference Center, Warrenton, VA November 14-17, 2010.
- Sigma Xi Research Symposium “Characterization of Gold Nanoparticles for Radiotherapy Applications”, St. Joseph’s University, Philadelphia, PA April 8, 2011

# Program Profiles

## Physics and Astronomy

### Scholarly Activity

Tabbetha Dobbins

*Other scholarly activity*

- Invited Talk—Absegami High School, “Petrochem vs. Hydrogen: What’s Fueling Your Future”, invited as keynote speaker for their Research Day Symposium, Galloway, NJ, May 12, 2011.
- Invited Talk—Rutgers University, “New Possibilities for Understanding Complex Metal Hydrides via Synchrotron X-ray Studies: Making Synchrotron X-ray Characterization Industrially Relevant”, February 15, 2011.
- Invited Talk—SUNY Stonybrook University, “New Possibilities for Understanding Complex Metal Hydrides via Synchrotron X-ray Studies”, November 19, 2010.
- Student Directed Research
  - a. Kevin Feller (‘11) (Spring 2011) (paid)
  - b. Kevin Scott (‘11) (Spring 2011) (credit)
  - c. Yoshi Araki (‘12) (Spring and Summer 2011) (credit; paid in summer)
  - d. Adam Stefankiewicz (‘12) (Summer 2011) (paid)
  - e. Frank Holder (‘13) (Summer 2011) (paid)

Don Farnelli

*Other scholarly activity*

- Judge: “Rowan University’s First Lego League Science Fair”, December 2010, Chamberlain Hall
- Judge: Coriell Bio-Medical Science Fair, March 2011, Camden County College
- Classroom Science Outreach (Holly Glen School, Monroe Twp, May 2011, Our Lady of Peace - St. Mary’s School, Monroe Twp, June 2011.)

Eduardo Flores

*Other scholarly activity*

- Manuscript under review: Theory of Quantum Mechanics

Erick Guerra

*Other scholarly activity*

- Attended a National Science Foundation Workshop at Princeton University. The workshop was an overview of the Foundation, its mission, priorities, and budget, November 2010.
- Student Directed Research
  - a. Adam Diekewicz (‘12) (Spring 2011)
  - b. Hannah Dembowski, Brian Ferraro, and Domenic Salvatore (Engineering Clinic project) (Spring 2011)

## Physics and Astronomy

### Scholarly Activity

Jeff Hettinger

#### *Refereed Journal Articles*

- M. Heon , S. Lofland , J. Applegate , R. Nolte , E. Cortes, J. D. Hettinger , P.-L. Taberna, P. Simon , P. Huang, M. Brunet , Eng.& Environ. Sci. 4, 135 (2011).

#### *Conference activity*

- S04-P-194 “Enhanced Capacitance of Carbide-derived Carbon Films”, Min Heon, James Applegate, Robert Nolte, Emma Cortes, Samuel Lofland, Jeffrey D. Hettinger, Pierre-Louis Taberna, Patrice Simon, Yury Gogotsi, 61st Meeting of the International Society of Electrochemistry, Nice, France, September 26-October 1, 2010.
- “Controlling the microstructure of binary carbide films with elemental substitutions”, K. Feller, M. Haider, A. Hodges, R. Spreng, E. Posbergh, H. Woodward, S. E. Lofland, J. D. Hettinger, M. Heon, Y. Gogotsi, 2011 March Meeting of the American Physical Society, Dallas TX, March 21-25, 2011.
- “Synthesis and Characterization of Silver Films for Antibacterial Applications”, C. Walker, E. Cortes, and C. Gallagher R. Krchnavek, G.A. Caputo, R. Ostrum, and J. Hettinger, 2011 Techcon, SVC Technical Conference and Exhibit, Chicago, IL April 16–21, 2011.

#### *Other scholarly activity*

- Ph.D Committee-- Min Heon, Drexel University, Dissertation Proposal, “Carbide-Derived Carbon Films for Microscale Electric Double Layer Capacitors”, November 12, 2010.
- Student Directed Research
  - a. Emma Cortes ('11) (Fall 2010 and Spring 2011) (credit)
  - b. Christopher Walker ('11) (Summers 2010 and 2011)
  - c. Zachary Buck ('12) (Summers 2010 and 2011) (paid)
  - d. Tyler Donato ('12) (Summers 2010 and 2011) (paid)
  - e. Daniel Strano ('10) (Summer 2010) (paid)
  - f. Christopher Rotella ('13) (Summer 2011) (paid)
  - g. Kevin Feller ('11) (Fall 2010 and Spring 2011) (credit)
  - h. Bryce Adamson ('11) (Spring 2011) (credit)
  - i. Ryan O'Malley ('11) (Spring 2011) (credit)
  - j. Andrew Hodges ('11) (Spring 2011) (credit)

Ben Kain

#### *Refereed Journal Articles*

- S. Benjamin, C. Freund and B. Kain, “The Effective Kähler Potential, R-Symmetry Breaking and Metastable Vacua in O’Raifeartaigh Models,” Nucl. Phys. B 842, 529 (2011).
- With H. Y. Ling, “Vortices in Bose-Einstein Condensate Dark Matter,” Phys. Rev. D 82, 064042 (2010).
- With H. Y. Ling, “Singlet and Triplet Superfluid Competition in a Mixture of Two-Component Fermi and One-Component Dipolar Bose Gases,” Accepted for publication in Phys. Rev. A.

# Program Profiles

## Physics and Astronomy

### Scholarly Activity

Ben Kain

*Other scholarly activity*

- Student Directed Research
  - a. Aaron Hanken ('11) (Fall 2010, Spring 2011)

David Klassen

*Conference presentation*

- With Smith, M. D. 2010. "Preliminary PCA/TT Results on MRO CRISM Multispectral Images". *Bulletin of the American Astronomical Society* 42, 1027.

*Other scholarly activity*

- Invited Talk: Klassen, D. 12 January 2011. "Clouds of Mars", American Association of Physics Teachers Winter Meeting, GD02.
- Invited Presentation: "Discovering Water on Mars" to Chester County Astronomical Society, West Chester University, West Chester, PA. 14 September 2010.
- Presentation: "Astronomy at Rowan University" and "Martian Cloud Modeling using CRISM NIR Spectra" at the Philadelphia Area Astronomers meeting. West Chester University, West Chester, PA. 21 May 2011.
- Student Directed Research
  1. Kyle Kawczynski ('12) (Spring 2011, Summer 2011)
  2. Uriah McCarson (Summer 2011) ('12)
  3. John McDermott ('12) (Summer 2011)
- NJ Science Olympiad
  - a. Created, administered, and scored two events for the New Jersey Science Olympiad, South Jersey Regional event. Camden County College, Blackwood, NJ. 8 January 2011.
  - b. Created, administered, and scored one event for the New Jersey Science Olympiad, State Finals event. Middlesex County College, Edison, NJ. 15 March 2011.

Michael Lim

*Refereed Journal Articles*

- B. Zhang, R. Fermani, T. Mueller, M. J. Lim, R. Dumke. "Design of magnetic traps for neutral atoms with vortices in type-II superconducting micro-structures," *Physical Review A* 81, 053624 (2010).

*Conference presentation*

- M. Yanakas, A. Vivona, M.J. Lim. "Tunable cw ring laser based on a tapered semiconductor amplifier," Southeastern Pennsylvania Section of American Association of Physics Teachers Spring Meeting, April 2011.



## Physics and Astronomy

### Scholarly Activity

Michael Lim

- Invited Talk: “Superconducting micro-traps for cold magnetic atoms,” Atomic, Molecular, and Optical Physics Seminar, University of Delaware, December 2010.
- Reviewer: National Science Foundation Plasma Physics Program, December 2010.
- Student Directed Research
  - a. Richard Pultar ('10)
  - b. Anthony Vivona ('13) (Spring 2011, Summer 2011)
  - c. Michael Yanakas ('13) (Spring 2011, Summer 2011)

Hong Ling

#### *Refereed Journal Articles*

- With Ben Kain “Singlet and Triplet Superfluid Competition in a Mixture of Two-Component Fermi and One-Component Dipolar Bose gases”, *Phys. Rev. A* (2011). (will appear as “rapid communication”)
- With Keye Zhang, Lu Zhou, Han Pu, and Weiping Zhang, “Measurement Back-action on the Quantum Spin-Mixing Dynamics of a Spin-1 Bose-Einstein Condensate”. to appear as a regular article in *Phys. Rev. A*. (2011).
- With Michael Fodor “Landau-Ginzburg perspective of finite-temperature phase diagrams of a two-component Fermi-Bose mixture”, *Phys. Rev. A* 82, 043610 (2010).
- With Ben Kain “Vortices in Bose-Einstein condensate dark matter”, *Phys. Rev. D* 82, 064042 (2010).

#### *Conference Presentation*

- With Ben Kain ‘Singlet and triplet superfluids in a two-component Fermi - dipolar Bose mixture’, in the 42th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), Atlanta, George, June 13-17, 2011.

#### *Other scholarly activity*

- Student Directed Research
  - a. Brian Arnold (Summer 2010, Fall 2010, Summer 2011)
  - b. Jasen Scaramazza (Summer 2010, Fall 2010, Summer 2011)
  - c. Michael Fodor (Fall '10)
- Reviewer: Two proposals for Army Research Office.
- Invited to serve as a Ph. D committee member by State University of New York, Stony Brook.

Sam Lofland

#### *Refereed Journal Articles*

- With Tao Yang, Artem Abakumov, Joke Hadermann, Gustaaf Van Tendeloo, Israel Nowik, Peter W. Stephens, Joachim Hemberger, Alexander A. Tsirlin, Kandalam V. Ramanujachary, and M. Greenblatt, “BiMnFe<sub>2</sub>O<sub>6</sub>, a polysynthetically twinned hcp MO structure,” *Chem. Sci.* 1, 751-762 (2010).

# Program Profiles

## Physics and Astronomy

### Scholarly Activity

Sam Lofland

#### *Refereed Journal Articles*

- P. Finkel, J. Bonini, E. Garrity, K. Bussman, J. Gao, J. F. Li, S. E. Lofland, and D. Viehland, “Enhanced resonant magnetoelectric coupling in frequency-tunable composite multiferroic bimorph structures,” *Appl. Phys. Lett.* 98, 092295 (2011).
- N. Abramov, V. Chichkov, S. E. Lofland, and Y. M. Mukovskii, “Low-temperature properties of Ca-doped YbMnO<sub>3</sub> multiferroic single crystals,” *J. Appl. Phys.* (2011), in press.
- Menaka, Soma Sharma, Kandalam V. Ramanujachary, Samuel E. Lofland, Ashok K. Ganguli, “Controlling the size and morphology of anisotropic nanostructures of nickel borate using microemulsions and their magnetic properties,” *Journal of Colloid and Interface Science*, Volume 360, Issue 2, 15 August 2011, Pages 393-397.
- R. Nagarajan, Neetu Tyagi, Samuel Lofland, K.V. Ramanujachary, “Spectroscopic, thermal, magnetic and structural characterization of K<sub>3</sub>VF<sub>6</sub> prepared at room temperature,” *Polyhedron*, Volume 30, Issue 8, 17 May 2011, Pages 1425-1429.
- Menaka, S. L. Samal, K. V. Ramanujachary, S. E. Lofland, Govind and A. K. Ganguli, “Stabilization of Mn(IV) in nanostructured zinc manganese oxide and their facile transformation from nanospheres to nanorods,” *J. Mater. Chem.*, 2011, 21, 8566-8573.
- M. Heon, S. Lofland, J. Applegate, R. Nolte, E. Cortes, J. D. Hettinger, P.-L. Taberna, P. Simon, P. Huang, M. Brunet, *Eng. & Environ. Sci.* 4, 135 (2011).
- A. J. Zambano, H. Oguchi, I. Takeuchi, J.P. Liu, S.E. Lofland, L.A. Bendersky, Y. Liu, and Z.L. Wang, “Experimental evidence of dipolar interaction in bilayer nanocomposite magnets,” *Appl. Phys. A* 103, 1387 (2011).

#### Conference Presentations

- S.E. Lofland, N. Abramov, V. Chichkov and Y.M. Mukovskii, “An Investigation of the Effect of Ca-doping on the Properties of YbMnO<sub>3</sub> Multiferroic Single Crystals.” MMM, Atlanta, November 2010.
- D.D. Hunter, R. Takahashi, R. Suchoski, E. Din, J.R. Hattrick-Simpers, L. Bendersky, S.E. Lofland, M. Wuttig and I. Takeuchi, “Large Magnetostriction in Annealed Co<sub>0.7</sub>Fe<sub>0.3</sub> thin films,” MMM, Atlanta, November 2010.
- Enhanced Capacitance of Carbide-derived Carbon Films”, Min Heon, James Applegate, Robert Nolte, Emma Cortes, Samuel Lofland, Jeffrey D. Hettinger, Pierre-Louis Taberna, Patrice Simon, Yury Gogotsi, 61st Meeting of the International Society of Electrochemistry, Nice, France, September 26-October 1, 2010.
- “Controlling the microstructure of binary carbide films with elemental substitutions”, K. Feller, M. Haider, A. Hodges, R. Spreng, E. Posbergh, H. Woodward, S. E. Lofland, J. D. Hettinger, M. Heon, Y. Gogotsi, 2011 March Meeting of the American Physical Society, Dallas TX, March 21-25, 2011.
- Peter Finkel, Sam Lofland, Ed Garrity, and Dwight Viehland, “Enhanced resonant magnetoelectric coupling in frequency-tunable composite multiferroic bimorph structures,” 2011 March Meeting of the American Physical Society, Dallas TX, March 21-25, 2011.

## Physics and Astronomy

### Scholarly Activity

Sam Lofland

#### *Other Scholarly Activity*

- Chair, Magnetism and Magnetic Materials, November 2010, “Magnetostrictive Materials,” Atlanta, Georgia
- Reviewer, National Science Foundation, CAREER program, October 2010
- Ph.D Committee—Dwight Hunter, University of Maryland, Dissertation Proposal, “Fabrication and Characterization of Magnetostrictive Thin Films Using the Combinatorial Method”, June 21, 2011.
- Student Directed Research
  - a. Zachary Buck ('11) (Spring 2011)
  - b. Adam Stefankiewicz ('12) (Spring 2011)
  - c. Michael Haider ('12) (Spring 2011)
  - d. Chris Kassner ('14) (Summer 2011)
  - e. Bill Rieger ('14) (Summer 2011)
  - f. Tom Dara ('12) (Fall 2010, Summer 2011)
  - g. Mitchell Dorrell (“13) (Fall 2010, Spring 2011, Summer 2011)
  - h. John Bonini (“13) (Fall 2010, Spring 2011, Summer 2011)
- Student Directed Research
  1. Classroom Science Outreach (Scenic Hills Elementary School, Springfield, Pennsylvania)
  2. Classroom Science Outreach (Springfield Literacy Center, Springfield, Pennsylvania)
- Advisor, Society of Physics Students
  - a. Chapter received Outstanding Chapter Award for 2011

Karen Magee-Sauer

#### *Refereed Journal Articles*

- Mumma, M. J., Bonev, B. P., Villanueva, G. L., Paganini, L., DiSanti, M. A., Gibb, E. L., Keane, J. V., Meech, K. J., Blake, G. A., Ellis, R. S., Lippi, M., Boehnhardt, H., Magee-Sauer, K. “Temporal and Spatial Aspects of Gas Release During the 2010 Apparition of Comet 103P/Hartley 2,” *The Astrophysical Journal Letters*, Volume 734, Issue 1, 2011.
- Meech et al., “EPOXI: Comet 103P/Hartley 2 Observations from a Worldwide Campaign,” *The Astrophysical Journal Letters*, Volume 734, Issue 1, 2011.

#### *Astronomical Circulars*

- Mumma, M. J., Bonev, B. P., Disanti, M. A., Paganini, L., Villanueva, G. L., Radeva, Y. L., Gibb, E. L., Magee-Sauer, K., Keane, J. V., Meech, K. J. “Comet 103P/Hartley” *International Astronomical Union Circular*, 11/2010.
- Mumma, M. J., Bonev, B. P., Disanti, M. A., Paganini, L., Villanueva, G. L., Radeva, Y. L., Gibb, E. L., Magee-Sauer, K., Keane, J. V., Meech, K. J. “Comet 103P/Hartley” *Central Bureau Electronic Telegrams*, 11/2010.

# Program Profiles

## Physics and Astronomy

### Scholarly Activity

Karen Magee-Sauer

#### *Conference Abstracts*

- Villanueva, Geronimo, DiSanti, M. A., Mumma, M. J., Bonev, B. P., Gibb, E. L., Magee-Sauer, K., Blake, G. A. "The Molecular Composition of Comet C/2007 W1 (Boattini): Evidence of a Peculiar Outgassing and Rich Chemistry, American Astronomical Society, DPS meeting #42, #28.22; Bulletin of the American Astronomical Society, Vol. 42, p.963, 10/2010.
- Sudholt, Emily, Bonev, B. P., Gibb, E. L., DiSanti, M. A., Villanueva, G., Mumma, M. J., Magee-Sauer, K. 2010, "A Study of Water in Comet C/2007 N3 (Lulin)," American Astronomical Society, DPS meeting #42, #28.20; Bulletin of the American Astronomical Society, Vol. 42, p.963, 10/2010.
- Gibb, Erika L., Bonev, B. P., Sudholt, E., Dennis, M., Mumma, M. M., DiSanti, M. A., Villanueva, G., Magee-Sauer, K. 2010, "Volatile Composition and Cosmogonic Indicators of Comet C/2007 N3 (Lulin)," American Astronomical Society, DPS meeting #42, #28.18; Bulletin of the American Astronomical Society, Vol. 42, p.963, 10/2010.
- Mumma, Michael J., Lippi, M., Keane, J., Bonev, B. P., Villanueva, G. L., Boehnhardt, H., DiSanti, M. A., Gibb, E. L., Magee-Sauer, K., Meech, K., Paganini, L., Riesen, T. 2010, "The Parent Volatile Composition of 103P/Hartley-2: Results from Pre-perihelion Observations at 1.6 AU," American Astronomical Society, DPS meeting #42, #3.02; Bulletin of the American Astronomical Society, Vol. 42, p.945, 10/2010.

#### *Other scholarly activity*

- Reviewer: National Science Foundation Postdoctoral Research Fellowship, November 2010.

Tatjana Miletic

#### *Refereed Journal Articles*

- Measurement of the 8B Solar Neutrino Flux with KamLAND. By KamLAND Collaboration (S. Abe et al.). Jun 2011. 6pp. e-Print: arXiv:1106.0861 [hep-ex]
- Constraints on  $\theta_{13}$  from A Three-Flavor Oscillation Analysis of Reactor Antineutrinos at KamLAND. The KamLAND Collaboration (A. Gando (Tohoku U.) et al.). Sep 2010. 10 pp. Published in Phys.Rev. D83 (2011) 052002 e-Print: arXiv:1009.4771 [hep-ex]

#### *Other scholarly activity*

- Student Directed Research
  - a. Anthony Vivona ('13) (Summer 2011)
  - b. Michael Yanakas ('13) (Summer 2011)

## Physics and Astronomy

### Other Departmental Accomplishments

#### *Undergraduate Research Opportunities*

- Over 30 undergraduate research projects directed during FY11
- 18 students participating in Rowan Summer 2011 Physics REU

#### *Departmental Advising/Mentoring Workshops FY 11*

- Applying to Graduate School Workshop — 1 October 2010 @ 1:45 PM
- Workshop on Rowan Physics Research — 22 October 2010 @ 1:45 PM
- Physics Advising Workshop: Planning your Academic Path — 29 October 2010 @ 1:45 PM
- Summer Research Experience for Undergraduate (REU) Workshop — 12 November 2010 @ 1:45 PM
- Physics Workshop: High School Physics Teacher Certification — 11 February 2011 @ 1:45 PM
- Interdisciplinary Graduate Programs - Grad School Advice from Rowan Graduate — 8 March 2011 @ 12:15 AM
- Graduate School Application Prep Starts Now Workshop — 29 April 2011 @ 1:45 PM

#### *Physics Colloquia/Talks*

- Colloquium—Tom Lubensky (University of Pennsylvania) — 17 September 2010 @ 3:30 PM
- Colloquium—Xiaoxing Xi (Temple University) — 29 October 2010 @ 3:30 PM
- Physics Talk—Dr. Jason R. Hattrick-Simpers (University of South Carolina) — 16 November 2010 @ 4:45 PM
- Colloquium—David Huse (Princeton University) — 19 November 2010 @ 3:30 PM
- Colloquium: Andrew Robertson (Rowan Physics 2007, Univ MD Materials Science Graduate Student) — 25 February 2011 @ 3:30 PM
- Dean's Distinguished Lecture—Dr. Ian Spielman: Cracking the Code of Superconductivity — 4 March 2011 @ 12:15 AM
- Equinox Lecture: Dr. Jessica Sunshine — 30 March 2011 @ 7:00 PM
- Colloquium: Atomic Collisions — Dr. Tomas Winter (Pennsylvania State University) — 15 April 2011 @ 3:30

#### *Astronomy Open Houses*

- Perseids Meteor Shower watch — 12 August 2010 @ 8:00 PM
- Fall Equinox Open House — 22 September 2010 @ 7:30 PM
- Observatory Open House — 8 February 2011 @ 6:30 PM
- Observatory Open House — 14 April 2011 @ 7:00 PM

#### *Community Building Activities*

- Welcome Back Pizza Party for Physics & Phy Sci Majors — 17 September 2010 @ 2:00 PM
- End of Semester Pizza Party — 14 December 2010 @ 11:45 AM
- Visit from Rowan Alum — 28 January 2011 @ 1:45 PM
- Welcome Back Pizza Study Break — 25 February 2011 @ 2:30 PM
- Kick off to finals Pizza Party — 29 April 2011 @ 12:30 PM

# Program Profiles

## *Physics and Astronomy*

### *Other Departmental Accomplishments*

#### *Recruitment/Retention Activities*

- Letters to accepted students (freshmen and transfers)
- Monthly High School Student visits to research and instructional labs
- Tutoring Sessions for Introductory Physics Courses Tues 5:30 – 6:30, Wed 6:00 – 7:00

#### *Alumni Tracking*

- Facebook Rowan Physics Alumni Page
- Exit survey created, posted on Banner, first requests to be sent out to Spring 2011 graduates. Aligned with Dept vision and mission for assessment
- Alumni database created and updated. Includes current email and employment/education

#### *Inventory*

- Astronomy inventory created, needs improvements
- Physics instructional lab inventory completed (updates needed)
- Physics research lab inventory requested (status needed)
- Computer inventory up-to-date with model and replacement year
- Space inventory begun

#### *Curricular Activities*

- BA Physics, at the Council of Presidents level. Will be voted on in Sept 2012 (final documents in prep to submit to Provost's Office)
- PAD with external consultant submitted to State for BA Physics
- Degree program in Biomedical Sciences
- Hire Biomedical Physicist
- BA Physics with "tracks" in Education, Engineering, and Business

## Political Science

### List of Degree Programs

- B.A. in Political Science

### List of Minors/Concentrations

- Minor in Political Science
- Sequence in Liberal Studies: Humanities/Social Sciences

### Students

- Undergraduate Majors: 98 (35 Minors, 16 LSHSS Sequencers)

### Strategic Goals for 2010-2015

2010-2011

- Strengthen undergraduate education
- Increase department visibility on campus and in the region
- Increase interdisciplinary course opportunities

2011-2015

- Increase faculty research productivity
- Enhance department's capacity in the field of Public Policy
- Increase departmental fundraising activity

### Permanent Faculty

*Name:* Lawrence Butler

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Congress, Presidency, Parties and Elections

*Name:* Bruce Caswell

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Political Theory, Elections, State and Local Government

*Name:* Lawrence Markowitz

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Comparative Politics and International Relations

*Name:* Mohammed Rashiduzzaman

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Comparative Politics and International Relations

*Name:* Bernadyne Weatherford

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Constitutional Law and Judicial Politics

*Name:* Karen Magee-Sauer

*Highest degree(s) attained:* Ph.D.

*Rank:* Professor

*Area(s) of Expertise:* Planetary Science

# Program Profiles

## *Political Science*

### *Faculty Awards*

Bruce Caswell

- Selected as Honorary Member, Golden Key Honor Society, December 5, 2010

### *Grants*

Lawrence Markowitz

- International Research and exchanges Board Short-Term Grant.
- Assistant Professor Travel Fund Grant.

### *Scholarly Activity*

#### *Periodicals*

Lawrence Markowitz

- “Unlootable Wealth and State Security Institutions in Tajikistan and Uzbekistan,” *Comparative Political Studies* Vol. 44, No. 2 (February 2011), pp. 156-183.

#### *Book Chapters*

Lawrence Butler

- “Party Governance Under Speaker Pelosi.” In *The State of the Parties*, ed. John C. Green and Daniel J. Coffey, 323-332, 6th ed. Lanham MD: Rowman and Littlefield

#### *Conference Papers*

Lawrence Butler

- “Legislative Gridlock and the Unfinished Obama Agenda,” Conference on The Obama Presidency at Midterm: Policies, Politics and Promise,” at Northeastern University, February 10, 2011

Bruce Caswell

- “Using Technology to Achieve Learning Goals,” Annual Meeting of the Northeastern Political Science Association, Philadelphia PA, November 11-13, 2010
- “The Republicanism of Hugh Henry Brackenridge’s Modern Chivalry,” Annual Meeting of the Southern Political Science Association, New Orleans LA, January 6-9, 2011
- “Republican Deference in Hugh Henry Brackenridge’s Modern Chivalry,” Annual Meeting of the Midwest Political Science Association, Chicago IL, March 30-April 2, 2011

Lawrence Markowitz

- “Labor Migration and Anti-Immigrant Mobilization in Russia,” paper presented at Annual Convention of Association for the Study of Nationalities, Columbia University, April 15-17, 2011.



## Political Science

### Scholarly Activity

#### Conference Panel Chair/Discussant/Roundtable Participant

Bruce Caswell

- Panel Discussant, “Creations and Recreations: Wizards, Monsters, and Philosophers,” Annual Meeting of the American Political Science Association, Washington DC, September 2-5, 2010
- Roundtable Participant, “Obama by the Numbers,” Annual Meeting of the Northeastern Political Science Association, Philadelphia PA, November 11-13, 2010
- Panel Discussant, “President Obama and the Politics of Survival,” Annual Meeting of the Northeastern Political Science Association, Philadelphia PA, November 11-13, 2010
- Panel Chair, “Advanced Pedagogies,” Annual Meeting of the Southern Political Science Association, New Orleans LA, January 6-9, 2011
- Panel Chair, “Fellow Pragmatists,” Annual Meeting of the Southern Political Science Association, New Orleans LA, January 6-9, 2011
- Panel Discussant, “Science and the Imagination in the Modern Republic: Literary Investigation,” Annual Meeting of the Midwest Political Science Association, Chicago IL, March 30-April 2, 2011
- Panel Discussant, “Assessing Governor Christie’s First Year,” Annual Meeting of the New Jersey Political Science Association, New Brunswick NJ, March 11, 2011.

Lawrence Markowitz

- Chair, Roundtable on Scott Radnitz’s book *Weapons of the Wealthy: Predatory Regimes and Elite-led Protests in Central Asia*. Annual Convention of the Association for the study of Nationalities, Columbia University, April 15-17, 2011.

#### Other Scholarly Activity

Lawrence Butler

- Served as a reviewer for an article submitted to the scholarly journal *Political Research Quarterly*, April 2011

Bruce Caswell

- Chair, Essay Award Committee, Americans for Democratic Action, Inc., Student Essay Contest “What Would Martin Do?”
- Member, Council of the Political Science Education Section of the American Political Science Association
- Member, Executive Committee, New Jersey Political Science Association
- Reviewer, proposal for new textbook *The Medium is the Lesson: Using Literature, Film, and New Media to Teach Politics*

Lawrence Markowitz

- Member, Program Committee, Association for the Study of Nationalities.

# Program Profiles

## *Political Science*

### *Other Departmental Accomplishments*

- Political Science Organization (Bruce Caswell, Advisor) earned a charter from the Student Government Association
- Six PSO students under the supervision of Bruce Caswell attended the Annual Meeting of the New Jersey Political Science Association, New Brunswick NJ, March 11, 2011
- Department held its annual dinner to honor graduating seniors, announce department awards, and induct new members into Pi Sigma Alpha, the National Political Science Honor Society
- Department co-sponsored a lecture by Eric Trager on the popular uprising in Egypt

## Psychology

### List of Degree Programs

- *Undergraduate:* Psychology, Child Behavioral Services
- *Graduate:* Master of Arts in Mental Health Counseling, Master of Arts in School Psychology, Master of Arts in Applied Behavior Analysis

### List of Minors/Concentrations

- Psychology

### Students

- Undergraduate Majors: 621, Minors: 51, Graduate Majors: 170

### Strategic Goals for 2010-2015

- Offer a diverse undergraduate and graduate curriculum that engages students' critical thinking skills and prepares them for several career paths.
- Develop and expand the psychology department's partnership with the surrounding community.
- Provide highest possible quality of education for students in our undergraduate, graduate, and professional education programs.
- Provide students the opportunities to collaborate with faculty in scholarly activities and applied endeavors.
- Build a community of scholars and cultivate connections between the Psychology Department and its students throughout their professional lives.

### Permanent Faculty

*Name:* Bonnie Angelone

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology, Cognitive

*Name:* Roberta Dihoff

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* School Psychology

*Name:* DJ Angelone

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Clinical Psychology

*Name:* Tom Dinzeo

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Clinical Psychology

*Name:* Janet Cahill

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Roberta Dihoff

*Name:* Michelle Ennis-Soreth

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Experimental Psychology and Behavior Analysis

# Program Profiles

## Psychology

### Other Departmental Accomplishments

*Name:* Eleanor Gaer

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology, Social and Cognitive

*Name:* Monica Greco

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology

*Name:* James Haugh

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Clinical Psychology

*Name:* Jerry Hough

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Neurobiology

*Name:* MaryLou Kerwin

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Counseling Psychology

*Name:* Valerie LaMastro

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Experimental Psychology, Social and Cognitive

*Name:* Rory McElwee

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology, Social and Personality

*Name:* Corann Okorodudu

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Lifespan Human Development

*Name:* Eve Sledjeski

*Highest degree(s) attained:* Ph.D.

*Rank:* FTT

*Area(s) of Expertise:* Experimental Psychology, Health

*Name:* Keiko Stoeckig

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Experimental Psychology, Perception

*Name:* Lois Strauss

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Educational Psychology

*Name:* Len Williams

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology, Cognitive

*Name:* Tricia Yurak

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Experimental Psychology, Social

## Psychology

### Faculty Awards

- Eve Sledjeski – 2011 Wall of Fame Excellence in Teaching Award
- Roberta Dihoff – 2011 Wall of Fame Excellence in Teaching Award

### Grants

- Tom Dinzeo – Sponsor: National Institute of Mental Health; Program: R01; Award: \$259,552 (Under review, not approved yet)
- Gerald Hough – Sponsor: National Institute on Aging; Program: R-21; Award: \$370,137 (Under review, not approved yet)
- DJ Angelone – Sponosor: NJ Division of Highway Safety; Aggressive Driving Prevention Program; Award: \$64,780
- MaryLou Kerwin – Sponsor: National Institute on Drug Abuse; Program: Behavior Therapy Development CRAFT Behavior; Award: \$2,835,800
- Lois Strauss – Innovative Assistive Technology; Award: \$9,676.44
- Lois Strauss – M.A.T.C.H.; Award: \$10,873.02
- McElwee, Rory; Angelone, Bonnie; Angelone, DJ – NSFSG \$9,824.50
- Strauss, Lois – Career Dev \$820
- Dinzeo, Tom – CLAS Summer Grant \$2725
- Angelone, DJ – NSFSG \$10,000

### Scholarly Activities

#### Book Review

Hough, Gerald E.

- Winker, Kevin, Reed, J. Michael, Escalante, Patricia, Askins, Robert A., Cicero, Carla, & Bates, John. “The importance, effects, and ethics of bird collecting.” *The Auk* 127, no. 3 (2010): 690-695.

Kerwin, MaryLouise E.

- Woodside, Maren D., & Hantula, Donald A. “Consumer choices of women in residential drug treatment: An analysis of risk and impulsivity.” *Journal of Applied Social Psychology* (in press).

McElwee, R.O.

- “Teaching with your gut: Intuition, affect and automatic processes in the classroom”. *Association for Psychological Science Observer* , 24, no. 3 (2011).
- Harnish, R.J., Slattery, J.M., Frantz, S., Haney, M.R., Shore, C.M., Penley, J. “Creating the foundation for a warm classroom climate: Best practices in syllabus tone”. *Association for Psychological Science Observer*, 24, no. 1 (2011), 23-25.

McElwee, R.O., Haugh, J.A.

- “Thinking clearly versus frequently about the future self: Exploring this distinction and its relation to possible selves”. *Self and Identity*, 9 (2010), 298-321.

# Program Profiles

## Psychology

### Scholarly Activities

#### Book Review

McElwee, R.O., Yurak, T.J.

- “The phenomenology of the Imposter Phenomenon”. *Individual Differences Research*, 8 (2010) 184-197.

Sledjeski, E.

- Pacella, M.L., Irish, L., Ostrowski, S.A., Ciesla, J.A., Fallon, W., Delahanty, D.L. “Avoidant Coping as a Mediator between Peritraumatic Dissociation and Posttraumatic Stress Disorder Symptoms”. *Journal of Traumatic Stress*. (in press)
- Delahanty, D.L. “Prior peritraumatic dissociative experiences affect autonomic reactivity during trauma recall”. *Journal of Trauma and Dissociation*. (in press)
- Nugent, N.R., Christopher, N.C., Delahanty, D.L. “The influence of family environment on dissociation in pediatric injury patients”. *Clinical Child Psychology and Psychiatry*. (in press)
- Hruska, B., Fallon, W., Spoonster, E., Delahanty, D.L. “Alcohol use disorder history moderates the relationship between avoidance coping and posttraumatic stress systems”. *Psychology of Addictive Behaviors*. Online first publication (2011)
- Irish, L.A., Fischer, B., Fallon, W., Spoonster, E., Delahanty, D.L. “Gender differences in PTSD symptoms: An exploration of peritraumatic mechanisms”. *Journal of Anxiety Disorders*, 25, no. 2 (2011): 209-216
- Kobayashi, I., Fallon, W.F. Jr., Spoonster, E., Riccio, D., Delahanty, D.L. “Effects of early albuterol (salbutamol) administration on the development of posttraumatic stress symptoms”. *Psychiatry Research*, 185, no. 1-2 (2011): 296-298

Dinzeo, T.

- Cohen, A., Donovan, N., Morrison, S. “The link between cognitive load and prosodic expression”. *Language and Cognitive Processes*. (under review)
- Cohen, A. “Alogia and Blunt Affect Exacerbate under Challenging Cognitive Conditions in Schizophrenia and Affective Disorders”. *Schizophrenia Bulletin*. (under review)

Angelone, B.L.

- Levin, D.T. & Beck, M. R. (2010). Visual search for rare targets: Distracter-tuning as a mechanism for learning from repeated target-absent searches. *British Journal of Psychology*

### Conference

Hough, Gerald E.

- Nankoo, Venita P., Baumann, Kimberly M. and Brzostowski, Michael R. “Do old pigeons need maps? The effects of aging on pigeon hippocampus spatial responses.” Poster presented at the annual Rowan University S.T.E.M. Symposium, April 15th, 2011.
- Baumann, Kimberly M., Nankoo, Venita P., and Brzostowski, Michael R., The effects of aging on pigeon hippocampal spatial responses.” Poster presented at the annual Rowan Psychology Research Conference, April 20th, 2011.

## Psychology

### Conference

Hough, Gerald E.

- “The neural bases of spatial learning and memory: what bird brains can tell us.” Presentation at the Cooper University Hospital Psychiatry Grand Rounds, January 11th, 2011.
- “Homing pigeons, the hippocampus, and the neural representation of our world: spatial memories in birds and humans.” Presentation at the Cooper University Hospital Neuroscience Grand Rounds, October 29th, 2010.

Kerwin, M. L. E.

- Garrison, B., and Hantula, D. A. (May, 2011). “Teaching financial management to women recovering from addiction.” Paper presented at the Annual Conferences for the Association of Behavior Analysis International, Denver, CO, May 27-May 31, 2011.

McElwee, R.O.

- Wilson, N., Rohe, D., Miliareisis, S. “Try and try again: Repeated attempts to achieve a goal”. Annual convention of the American Psychological Association, Washington, DC. August, 2011
- Rubio, N., Jarema, A. “Emotion and environmental attitudes: How does it feel to be pro-environmental?” Annual convention of the American Psychological Association , Washington, DC August, 2011

Gaer, E.

- Black, B., Hughes, W., Christopher, E., Jenkins, K., Christy, J., Loffedo, A., Long, J., Zelek, M. “The Effect of the Language of the Jury Instructions in Sexual Harassment Cases.” Poster presented at American Psychology Law Society International Conference, Miami, FL, March 3-6, 2011.

Dinzeo, T.

- Hayes, J., Bales, S. “Schizotypal traits in college students: The relationship to neurocognitive and social function.” Poster presented at Cooper Hospital Research Week, Camden, NJ , April 2011 and Society for Research in Psychopathology, Seattle, WA, October, 2010
- Kneisl, J., Tondora, J., O’Connell, M., Antonelli, A., Hayes, J. “The relationship of the FFM of personality to medical health issues and provider relationships in African American and Latinos/as with psychosis: A preliminary examination of data from a longitudinal randomized clinical trial.” Poster presented at Cooper Hospital Research Week, Camden, NJ, April 2011.
- Wills, C., Hayes, J., Giordano, V., Bales, S. “Personality in relationship to social functioning and schizotypy.” Poster presented at Eastern Psychological Association, Boston, MA, March 2011.
- Hawthorn, W., Sledjeski, E., Elias, E. “An examination of the dissociation-schizotypy link in an undergraduate sample.” Poster presented at Eastern Psychological Association, Boston, MA, March 2011.
- “Cognitive dysfunction and its treatments in schizophrenia”. NewPoint Behavioral Health, Woodbury, NJ, August 2010.

# Program Profiles

## Psychology

### Conference

Sledjeski, E.M.

- Baroni, R. "Trauma Characteristics and Mental Health Consequences of Traumatic Loss Compared to Other Types of Traumas". Poster submitted for presentation at the 2011 ISTSS meeting, Baltimore, MD, November 2011.
- Nevolo, Z., & Delahanty, D.L. "The relationship between PTSD and physical recovery following a motor vehicle accident". Poster submitted for presentation at the 2011 ISTSS meeting. Baltimore, MD, November 2011.
- Smith, B., Wiltsee, T.D., & Delahanty, D.L. "The moderating effects of age, gender, & other anxiety disorders on posttraumatic stress symptoms and sleep disturbances". Poster submitted for presentation at the 2011 ISTSS meeting. Baltimore, MD, November 2011.
- Pacella, M., Irish, L., Fallon, W. & Delahanty, D. "The Relationship between Peritraumatic Responses and Subsequent Physical Health Symptoms: Avoidant Coping as a Potential Mechanism". Poster submitted for presentation at the 2011 ISTSS meeting. Baltimore, MD, November 2011.
- Hawthorne, W., Elias, E., Lucey, K. Dinzeo, T. "An examination of the dissociation-schizotypy link in an undergraduate sample". Poster to be presented at the 2011 Eastern Psychological Association annual meeting. Cambridge, MA, March 2011.
- Elias, E., Lucey, K. "Mental health in undergraduate students from disrupted and intact families". Poster to be presented at the 2011 Eastern Psychological Association annual meeting. Cambridge, MA, March 2011.
- Lucey, K., Elias, E., and Hawthorne, W. "Psychosocial effects and substance use in undergraduate students from divorced parents". Poster to be presented at the 2011 Eastern Psychological Association annual meeting. Cambridge, MA, March 2011.
- "Trauma exposure and posttraumatic stress symptoms are related to poorer academic achievement among undergraduate students". Presented at the 2010 International Society for Traumatic Stress Studies annual meeting, Montreal, Canada, November 2010.
- "The role of dissociation in the development of PTSD". Current Avenues in Research Brown Bag Series (CARBBS), Psychology Department, Rowan University, April 2011.

Angelone, B.L. & Angelone, D.J.

- (2010, November) An investigation of attentional biases in problem drinkers using change detection methodology. Poster presented at Psychonomics Society Conference, St. Louis, MO.

Angelone, B.L.

- Wilson, N., Osborne, V. & Leonardo, Z. (2010, May). How low can you go? An investigation of working memory span and change detection [abstract] Vision Sciences Society, Poster to be presented at the Vision Sciences Society conference, Naples, FL.



## Psychology

### Conference

Angelone, D.J.

- Mitchell, D., & Lucente, L. (2011, March). Predicting perceptions of date rape: Examining perpetrator motivation and gender role beliefs. Poster presented at the annual conference of the Eastern Psychological Association, Cambridge, MA.
- Mitchell, D. (2011, March). Effects of Victim Resistance and Intentionality of Alcohol Use on Sexual Assault Attributions. Poster presented at the annual conference of the Eastern Psychological Association, Cambridge, MA.
- Grossi, L., Shinkarow, W., & Mitchell, D. (2011, March). The impact of hostile and benevolent sexism on attributions of sexual assault. Poster presented at the annual conference of the Eastern Psychological Association, Cambridge, MA.
- Swirsky, J., Lucente, L., Urso, K. (2011, March). Sticks and stones may break my bones but words can really hurt me too: the long-term effects of alternative aggression. Poster presented at the annual conference of the Eastern Psychological Association, Cambridge, MA.
- Schaffer, A. (2011, March). The Motives for Infidelity Scale: An initial psychometric review. Poster presented at the annual conference of the Society for the Scientific Study of Sexuality Easter and Midcontinent Joint Regional Conference, Philadelphia, PA
- Grossi, L., Shinkarow, W., & Mitchell, D. (2011, March). Who is to blame? The impact of specific rape myths on attributions of sexual assault. Poster presented at the annual conference of the Society for the Scientific Study of Sexuality Easter and Midcontinent Joint Regional Conference, Philadelphia, PA
- Swirsky, J., Lucente, L., Urso, K.\* (2011, March). Bullied today, bothered tomorrow: How does being bullied shape girls' lives? Paper presented at the annual conference of the Society for the Scientific Study of Sexuality Easter and Midcontinent Joint Regional Conference, Philadelphia, PA
- Angelone, B.L. (2010, November). An investigation of attentional biases in problem drinkers using a change detection methodology. Poster presented at the annual meeting of the Psychonomic Society, St. Louis, MO.
- Angelone, D.J. Litvack, A.H. (2010, November). Therapist perspectives of male and female rape survivor characteristics: A follow-up study. Paper presented at the annual congress of the Society for the Scientific Study of Sexuality, Las Vegas, NV.
- Cox, S., Mellitz, C.A., & Grossi, L.(2010, November). The perceptions of childhood sexual abuse. Poster presented at the annual congress of the Society for the Scientific Study of Sexuality, Las Vegas, NV.
- Grossi, L., Murphy, R.A., & Cox, S. (2010, November). Sexual aggression: Is it sex or aggression? Poster presented at the annual congress of the Society for the Scientific Study of Sexuality, Las Vegas, NV.
- Schaffer, A., Barba, C., & Lucente, L. (2010, November). A Qualitative Approach to Understanding Infidelity in a College Sample. Paper presented at the annual congress of the Society for the Scientific Study of Sexuality, Las Vegas, NV.
- Schaffer, A.\*, Barba, C.\*, & Lucente, L.\* (2010, November). Cheating: Is it you, him, or the sex?. Poster presented at the annual congress of the Society for the Scientific Study of Sexuality, Las Vegas, NV.

# Program Profiles

## *Psychology*

### *Professional Service*

Hough, Gerald

- Research Committee, Cooper Medical School of Rowan University
- Member, College of Liberal Arts and Sciences Communication Committee
- Member, Cooper Medical School of Rowan University Curriculum Committee: Neuro/Psych subject areas.
- Chair, Rowan Institutional Animal Care and Use Committee
- Chair, Department of Psychology Tenure and Recontracting Committee
- Chair, Rowan University Senate Technological Resources Committee
- AFT Delegate, Council of New Jersey State Locals.
- Member, Rowan University AFT Negotiations committee for full-time unit.
- Co-Chair, Rowan Sciences Day Committee
- Secretary, Conservation Committee, American Ornithologists Union.

Kerwin, MaryLou

- Director of South Satellite Clinic of St. Joseph's Children's Hospital's Center for Feeding and Swallowing located in Shpeen Hall.
- Board of Advisors, Brett DiNovi & Associates;
- Behavioral Rehabilitation Services, Board of Trustees, Bancroft
- Co-Chair, Assessment Subcommittee, Camden Promise Neighborhood Initiative—a partnership among providers and schools in Camden, NJ.
- Program Chair, New Jersey Association for Behavior Analysis Conference held at Rowan University on July 15, 2011
- Supervised 10 Research Projects in ABA over past year
- Faculty Liaison to Behavior Analyst Certification Board, Inc.

McElwee, Rory

- Co-Editor, Teaching Tips, Association for Psychological Science Observer (2011 – present)
- Work Group Member appointed by the Society for Teaching of Psychology (APA Division 2), Project Syllabus, an on-line resource provided by the Office for Teaching Resources in Psychology (OTRP) 2006-2011
- Volunteer Speaker, TOPPS (Teachers of Psychology in the Secondary Schools) Speakers Bureau (a service of the Education Directorate of APA) (2006; 2008; 2010; 2011)

Dinzeo, Tom

- Rowan University Career Development Committee
- Psychology Department Current Areas of Research Brown Bag Series (CARBBS), Social Committee

## Psychology

### Professional Service

McElwee, Rory

- Reviewer: Manuscript for *Personality and Individual Differences* (March 2011)
  - o Senate Representative for Psychology
  - o Psychology Department Curriculum Committee
  - o Psychology Department Assessment Committee
  - o Coordinator of Rowan Seminar Program
  - o Advisory Board Member for Faculty Center for Excellence in Teaching and Learning
  - o Facilitator of two Faculty Learning Communities (for New Faculty and for Rowan Seminar Instructors), offered through the Faculty Center
  - o Recruitment, Admissions, & Retention Committee
  - o Tactical Team for the Reinvention of General Education
  - o Academic Unit Orientation Planning Group
  - o Environmental Studies Advisory Board
  - o Reviewer for Assistant Professor Travel Grants
  - o Reviewer for CLAS NSFSGS Summer Grants

Gaer, Eleanor

- Psychology Department Curriculum and Graduate Committee

Sledjeski, Eve

- Psychology Department Research Conference Committee
- Reviewed 10 manuscripts for refereed journals, conference abstract reviewer for the annual 2011 ISTSS research conference.

Greco, Monica

- Chairperson, Psychology Department
- Psychology Department Tenure and Recontracting Committee
- Psychology Department Curriculum Committee
- Psychology Department Assessment Committee
- Rowan University Pre-Health Professions Committee

Yurak, Tricia

- Psychology Department Senate Representative
- Psychology Department Coordinator, Psychology Research Participant Pool
- Psychology Department Assessment Committee
- Psychology Department Curriculum Committee
- Rowan University Academic Integrity Review Board
- Rowan University Institutional Review Board
- Rowan University Senate, Vice President

# Program Profiles

## *Psychology*

### *Professional Service*

Angelone, Bonnie

- Psychology Department Assistant Chairperson
- Psychology Department Curriculum Committee Chairperson
- Psychology Department Colloquium, Seminar and Brown Bag Committee
- Psychology Department Student and Social Relations Committee
- Psychology Department Assessment Committee
- College of Liberal Arts and Sciences Promotion Committee

Angelone, DJ

- Graduate Council (University)
- Sabbatical Committee (University)
- CLAS Graduate Council (college)
- Graduate Training Strategic Planning committee (college)
- Academic Appeals Committee (college)
- Colloquium, Seminar, and Brown Bag Committee(department)
- Student and Social Relations Committee (department)
- Guest speaker for the Departmental Student Club - Psychology Alliance
- Reviewer, Journal of Interpersonal Violence

## Sociology

### *List of Degree Programs*

- B.A. Degree in Sociology
- B.A. Degree in Applied Sociology

### *List of Minors/Concentrations*

- Minor in Sociology
- LS/HSS Sociology Sequence A

### *Students*

- Total Sociology Majors: 250
- Sociology Minors: 25
- LS/HSS Sociology Sequence A: 50

### *Notable Student Achievements*

- Students Alexandra Garber, Deepak Kumar, and Julia Conover participated in a student poster session at the Eastern Sociological Society Meetings in Philadelphia in February 2011.
- The Student Paper Competition in March 2011 produced three excellent papers which were presented to faculty and students in the department at its annual Student Paper Competition Luncheon. Katherine Campbell took first prize with her paper on the mother/daughter bond in the dehumanizing Nazi death camps. Two other students presented, Nafisa Soeltan and Juliana Pellegrino. Miss Soeltan's paper was on the global family; Miss Pellegrino developed a paper on the self as conceptualized by Erving Goffman as negotiated within different context, playing to George Herbert Mead's understanding of the unified self as problematic, particularly in contradictory social contexts. All three participants were honored at the Graduation Banquet which each year honors the highest achievers in our senior class.
- Graduating senior, Darren Pearce, was the 2011 recipient of the Samuel Witchell Medallion and invited to attend the Annual Dean's Tea. Mr. Pearce has been accepted into the graduate program at Rutgers and will be attending classes there in the fall.

### *Strategic Goals for 2010-2015*

#### 2010-2011

- Continued development of graduate program Five-Year Accelerated BA-MA in Applied Sociology
- Interdisciplinary Clusters being Developed/Partnerships Developed

#### 2010-2015

- Continue to Develop a Proposal for the MA in Applied Sociology
- Restructure the Sociology Program(s) at Camden to supply new undergraduate and graduate curriculum for Cooper Medical School at Rowan

# Program Profiles

## Sociology

### Permanent Faculty

*Name:* James R. Abbott

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Sociological Theory, Sociology of Religion

*Name:* Allison Carter

*Highest degree(s) attained:* M.A.

*Rank:* Instructor

*Area(s) of Expertise:* Theory, Gender, Sociol Psychology, Cultural Sociology

*Name:* Jay E. Chaskes

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Social Identity and Disability

*Name:* Mary Gallant

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Sociological Theory, Holocaust and Genocide

*Name:* Harriet Hartman

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Gender, Jewish Studies, Sociology of Religion  
Sociology of Education, Sociology of Family,  
Gender and Science/Engineering

*Name:* Mark Hutter

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Urban Sociology, Sociology of the Family

*Name:* Sandra J. Jones

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Death, Dying and Bereavement, Race  
and Ethnic Relations

*Name:* Yuhui Li

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Research Methods, Social Statistics,  
Chinese Studies, Demography

*Name:* DeMond S. Miller

*Highest degree(s) attained:* Ph.D.

*Rank:* Full Professor

*Area(s) of Expertise:* Environmental Studies, Clinical

*Name:* Anthony Sommo

*Highest degree(s) attained:* Ph.D.

*Rank:* Assistant Professor

*Area(s) of Expertise:* Disability and Deviance

*Name:* Len Williams

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Experimental Psychology, Cognitive

*Name:* Ieva Zake

*Highest degree(s) attained:* Ph.D.

*Rank:* Associate Professor

*Area(s) of Expertise:* Political and Historical Sociology,  
Ethnicity and Politics, Immigration,  
Contemporary Sociological Theory

## Sociology

### Faculty Awards

Harriet Hartman

- Jordan Schnitzer 2010 Book Award Honorable Mention, Association for Jewish Studies, for Harriet Hartman & Moshe Hartman, *Gender and American Jews: Patterns in Work, Education, and Family in Contemporary Life*. Brandeis University Press, 2009.
- Berman Summer Research Fellow, 2010, North American Jewish Data Bank.

Sandra Jones

- Faculty Center Wall of Fame for Excellence in Teaching
- Faculty Center Wall of Fame for Excellence in Advising

Yuhui Li

- Overseas Young Chinese Forum (OYCE) Ford Teaching Fellowship awarded in Sept. 2010 for teaching a summer course on social research methods and statistics at Lanzhou University in Gansu Province, China, Summer 2011.

Ieva Zake

- Wall of Fame for Excellence in Teaching
- Amicus Polonia Award from the Polish American Historical Association

### Grants

Harriet Hartman:

- Jacquet Research Award, Religious Research Association, “Jewish Identity and its Influence on Secular Pursuits” (\$3500)

Ieva Zake:

- Research Grant from Gerald R. Ford Presidential Foundation (\$1000)
- College of Liberal Arts and Sciences, Rowan University, Summer Research Grant (\$1200)

### Scholarly Activities

#### Books

Jim Abbott

- *Nelson Shanks and Humanistic Realism* (Published by the State Russian Museum, Palace Editions, St. Petersburg, Russia, 2011), pp. 27-34 (in Russian and English).

Mark Hutter

- *Experiencing Cities 2/e* (Allyn & Bacon/Pearson Higher Education, 2011).

DeMond Miller

- *How Ethnically Marginalized Americans Cope with Catastrophic Disasters: Studies in Suffering and Resiliency* (with J.D. Rivera) (Edwin Mellon Press, Lewiston, NY, 2010).

# Program Profiles

## Sociology

### Scholarly Activities

#### Books

DeMond Miller

- *Community Disaster Recovery and Resiliency: Exploring Global Opportunities and Challenges* (with J.D. Rivera) (CRC/Taylor & Francis, Boca Raton, FLA, 2011).
- *Comparative Emergency Management: Examining Global and Regional Responses to Disasters* (with J.D. Rivera). CRC/Taylor & Francis, Boca Raton, FLA, 2011).

Ieva Zake

- *New Directions in Sociology: Essays on Theory and Methodology in the 21st Century*, co-edited with Michael DeCesare. (McFarland Publishers, 2011).
- *American Latvians: Politics of a Refugee Community*. (Transaction Publishers, 2010).

#### Chapters in Books

Jay Chaskes

- *Disability as a Fluid State, Research in Social Science and Disability* (S. Barnartt, ed.) (UK: Emerald Publishing, 2010). "Out of a Coma and into a Wheelchair: Social and Physical Accessibility and the Construction of Disabled Identity."

Mark Hutter

- *Comparative Emergency Management: Examining Global and Regional Responses to Disasters* (D. Miller and J.D. Rivera, eds.) (CRC/Taylor & Francis, Boca Raton, FLA, 2011). "Rebuilding A Regional Tourist Image in the Aftermath of Disaster: New Orleans and Hurricane Katrina" (with DeMond Miller).
- *The Chicago School Diaspora: Epistemology and Substance* (J. Low and G. Bowden, eds.) (McGill- Queens University Press (MQUP), Montreal, Quebec, Canada, In Press). "Urban Imagery, Tourism, and the Future of New Orleans" (with DeMond Miller).

DeMond Miller

- *Comparative Emergency Management: Examining Global and Regional Responses to Disasters* (D. Miller and J.D. Rivera, eds.) (CRC/Taylor & Francis, Boca Raton, FLA, 2011). "Rebuilding A Regional Tourist Image in the Aftermath of Disaster: New Orleans and Hurricane Katrina" (with Mark Hutter).
- *Comparative Emergency Management: Examining Global and Regional Responses to Disasters* (D. Miller and J.D. Rivera, eds.) (CRC/Taylor & Francis, Boca Raton, FLA, 2011). "The Future of Regional Collaboration" (with J.D. Rivera).
- *Comparative Emergency Management: Examining Global and Regional Responses to Disasters* (D. Miller and J.D. Rivera, eds.) (CRC/Taylor & Francis, Boca Raton, FLA, 2011). "Tragedy has Brought us Together: Responding to New and Emerging Regional Catastrophes" (with J.D. Rivera).
- *The Chicago School Diaspora: Epistemology and Substance* (J. Low and G. Bowden, eds.) (McGill-Queens University Press (MQUP), Montreal, Quebec, Canada, In Press). "Urban Imagery, Tourism, and the Future of New Orleans" (with Mark Hut-



## Sociology

### Scholarly Activities

#### Periodicals

Allison Carter

- Bakhtin and Pleasure: Reading Politically Incorrect Masculine Comedies. (*International Journal of the Humanities*, 2010), Vol. 8, No. 9, pp. 219-232.

Jay Chaskes

- Advising New Students with Disabilities: Challenges and Opportunities (with MaryBeth Walpole). (*Journal of College Orientation and Transition*, Fall 2011).

Mary Gallant

- Collective Memory, International Law, and Restorative Social Processes after Conflagration: The Holocaust (with H. Rhea). (*International Criminal Justice Review*, September 2010), Vol. 20, No. 3.  
<http://icjr.sagepub.com>

Harriet Hartman

- Jewish Identity and the Secular Achievements of American Jewish Men and Women (with Moshe Hartman). (*Journal for the Scientific Study of Religion*, March 2011), Vol. 50, pp. 133-153.
- Analyzing Applicant Data for a Public, Predominantly Undergraduate Engineering Program to Gain Insight into Diversifying Recruitment (with D. Cleary and W. Riddell). (*Journal of Women and Minorities in Science and Engineering*, 2010), Vol. 16, No. 3, pp. 193-214.

Sandra Jones

- When the Roles of Clinician, Activist, and Academic Collide: Bearing Witness in the Death Chamber. (*Journal of Applied Social Science*, Fall 2010), Vol. 4, No. 2, pp. 43-57.

Yuhui Li

- Health of the Elderly Population in Racially Diverse Cities and Counties of Xinjiang, China (with L. Dorsten). (*Du Bois Review, Social Science Research on Race*, 2011), Vol. 8, No. 1, pp. 53-62.

Ieva Zake

- Republican Ethnic Politics in the late 1960s and early 1970s: Nixon vs. GOP. (*Polish American Studies*, 2010), LXVII: 2, pp. 53-74.
- Politicians versus Intellectuals in the Lustration Debates in Transitional Latvia. (*Journal of Communist Studies and Transition Politics*, 2010), Vol. 26, No. 3, pp. 337-60. Reprinted in *Memory and Pluralism in the Baltic States*, ed. by Eva-Clarita Pettai (Routledge, forthcoming).
- Soviet Campaigns against 'Capitalist Ideological Subversives' during the Cold War: The Latvian Experience. (*Journal of Cold War Studies*, 2010), Vol. 12, No. 3, pp. 91-114.
- Integration or Separation?: Nationalities and the Republican Party's Ethnic Politics, 1960s-80s (with Graham Gormley). (*Nationalities Papers*), Vol. 38, No. 4, pp. 493-514.

# Program Profiles

## *Sociology*

### *Scholarly Activities*

#### *Book Reviews*

Mary Gallant

- *Voices and Views: A History of the Holocaust* (by Deborah Dwork). (The Journal of Ecumenical Studies, 2010), Book Review. [Jesdialogue.org/Ornkrody@temple](http://Jesdialogue.org/Ornkrody@temple)

Harriet Hartman

- *The Influence of Community Context and Individual Characteristics on Jewish Identity: A 21- Community Study* (Report to the North American Jewish Data Bank in fulfillment of 2010 Berman Summer Research Fellowship, June 2011, 85 pgs.).

Yuhui Li

- *The Long and Difficult Process of the U.S. Immigration Reform* (Essay – in Chinese – published in Chinese Social Sciences Today, Oct. 21, 2010), pg. 14.
- *The Influence of Politics on Immigration Reform in the U.S.* (Essay- in Chinese – published in Chinese Social Sciences Today, Aug. 6, 2010), pg. 14.
- *The Influence on “Cultural Lag” on the Mentality of People in China* (Essay – in Chinese – published in Chinese Social Sciences Today, July 13, 2010), pg. 3.

DeMond Miller

- *Handbook of Disaster and Emergency Policies and Institutions* (The International Journal of Disaster Studies, Policy, and Management, 2010), Vol. 34, pp. 586–588, Book Review.

Ieva Zake

- *Empathy and Healing: Essays in Medical and Narrative Anthropology* (Journal of Baltic Studies), Vol. 4, No. 2, pp. 269-271, Book Review.

### *Conference*

Jim Abbott

- *The Rise, Fall and Resurrection of an Urban Village: Queen Village of Philadelphia* (Eastern Sociological Society Meetings, Philadelphia, PA, February, 2011).
- *Gentrification of an Historically Working Class Community: Queen Village of Philadelphia* (Pacific Sociological Society, Seattle, WA, March 2011).

Allison Carter

- *Three Practices of Reading Lacan: In Conversation with Symbolic Interactionism* (5th Annual International Conference on Sociology, Athens, Greece, May 2011).
- *Bakhtin and Pleasure: Reading Politically Incorrect Masculine Comedies* (8th International Conference on New Directions in the Humanities, Los Angeles, CA, June 2010).

## Sociology

### Conference

Jay Chaskes

- Teaching and Advising Students with Disability (with MaryBeth Walpole) (Preconference Workshop, First-Year Experience and Students in Transition, Atlanta, GA, 2011), 02/08/2011.

Mary Gallant

- Refugees in War, Atrocity and their Aftermath: Comparative Patterns (Eastern Sociological Society Annual Meetings, Philadelphia, PA, February, 26, 2011).

Harriet Hartman

- Influences on Jewish Identity: Individual Characteristics, the Surrounding Jewish Community, and the Broader Religious Context--a 21-Community Study (with Ira Sheskin) (Eastern Sociological Society Meetings, Philadelphia, PA, February 2011).

Mark Hutter

- Tourism and the Rebranding of New Orleans 5 + Years After Hurricane Katrina (with DeMond Miller) (Stone/Couch Society for the Study of Symbolic Interaction Symposium, Las Vegas, Nevada, April 1-3, 2011).
- Grieving for a Lost Community: The Rebuilding and Rebranding of New Orleans (with DeMond Miller) (Eastern Sociological Society Meeting, Philadelphia, PA February, 23-27, 2011).
- Urban Imagery, Community, and the Future of New Orleans (Jane Addams Conference on Social Entrepreneurship, Uppsala, Sweden, November 18-19, 2010).
- The Impact of Devastation and Rebuilding of New Orleans' Lower Ninth Ward on Memory Processes of Family and Community Life (with DeMond Miller) (International Sociological Association World Congress, Gothenburg, Sweden, July 11-17, 2010).
- The Symbolic Economy's Impact on the Rebuilding of New Orleans after Hurricane Katrina (with DeMond Miller) (International Sociological Association World Congress, Gothenburg, Sweden, July 11-17, 2010).

Sandra Jones

- Barriers to Taking Action Against Life Without Parole in the Anti-Death Penalty Movement (Annual Justice Studies Association Conference, Philadelphia, PA, June 9-11, 2011).
- Clinical Interventions for the Families of Death Row Inmates (9th International Conference on Grief and Bereavement in Contemporary Society and the 33rd Annual Conference of the Association for Death Education and Counseling, Miami, FLA, June 22-25, 2011).
- When the Whole Family Grieves (Annual Conference of the Campaign to End the Death Penalty, Chicago, IL, November 12-14, 2010).

Yuhui Li

- Urban and Economic Development in Xinjiang during the 21st Century: An Examination of Cities of Economic Zones (International Conference on China Urban Development, Hong Kong, December 7-8, 2010).

# Program Profiles

## *Sociology*

### *Conference*

DeMond Miller

- Grieving for a Lost Community: The Rebuilding and Rebranding of New Orleans (with Mark Hutter) (Eastern Sociological Society Meeting, Philadelphia, PA February, 23-27, 2011).
- The Challenges, Next Steps and Future of Community Engagement in Higher Education (with C. Taylor & S. Evans) (The Race, Ethnicity and Community Engagement Conference, Lubbock, TX, October 17-20, 2010).
- The Logistics and Design of Community-Based Research Experience: Notes from the Field (The Race, Ethnicity and Community Engagement Conference, Lubbock, TX, October 17-20, 2010).
- The Consultant Team Model of Community-Based Research (The Race, Ethnicity and Community Engagement Conference, Lubbock, TX, October 17-20, 2010).
- The Impact of Devastation and Rebuilding of New Orleans' Lower Ninth Ward on Memory Processes of Family and Community Life (with Mark Hutter) (International Sociological Association World Congress, Gothenburg, Sweden, July 13-18, 2010).
- The Symbolic Economy's Impact on the Rebuilding of New Orleans after Hurricane Katrina (with Mark Hutter) (International Sociological Association World Congress, Gothenburg, Sweden, July 13-18, 2010).

Ieva Zake

- *Ethnics Inside the Republican Party: Seeking Access to Political Power, 1960-80s* (35th Annual Conference of Social Science History Association, Chicago, IL, November 21, 2010).
- *The Soviet Policy toward Displaced Persons: The Latvian Case and Beyond* (International Conference "The Forty Years' Crisis: Refugees in Europe, 1919-1959," Birbeck College, University of London, UK, September 15, 2010).
- *Latvian SSR's Liaison Committee for Cultural Relations with Countrymen Abroad: An Example of the Soviet Politics of Divide and Rule* (in Polish) in *Tajny Oręż Czy Ofiary Zimnej Wojny? Emigracje Polityczne Z Europy Środkowej I Wschodniej*, edited by S. Łukasiewicz. (Lublin, Poland: Instytut Pamięci Narodowej, 2010), pp. 102-116. (Published Conference Proceedings).

*Symposium or Conference Chair, Co-Chair, Organizer or Discussant*

Harriet Hartman

- Organized and Chaired Marshall Sklare Memorial Lecture at Association for Jewish Studies, Boston, MA, December, 2010.
- Invited panel respondent for session, "Is the Prospect for the Future of American Jewry Positive or Negative?," at the Association for Jewish Studies, Boston, December, 2010.
- Organized and chaired session, "Intersectionalities and complexities related to Jewish Identity," at the Eastern Sociological Society Meeting, Philadelphia, PA, February, 2011.

## Sociology

### Conference

Mark Hutter

- Organizer of undergraduate student roundtable session, “Changing Cities,” sponsored by Alpha Kappa Delta, the International Sociology Honor Society at the Pacific Sociological Association Annual Meetings, Seattle, WA, March 2011.
- Organizer of paper session, “Experiencing Cities” at the Pacific Sociological Association Annual Meetings, Seattle, WA, March 2011.

Ieva Zake

- Panel Organizer and Chair (Eastern Sociological Society’s Meeting, Philadelphia, PA, Feb. 25, 2011).

### Other Scholarly Activity

Allison Carter

- Attended the professional development seminar, Assessment in Social Sciences: Challenges & Opportunities, to help the department with assessment (CUNY, March 2011).
- Reviewed article for journal, Gender and Society.

Mary Gallant

- Reviewer: Social Psychology Quarterly [spq.sagepub.com](http://spq.sagepub.com).
- Reviewer: Journal of Ecumenical Studies [nkrody@temple.edu](mailto:nkrody@temple.edu).
- International Society; Committee Service: Society for the Study of Symbolic Interaction (SSSI). Herbert Blumer Award Committee.
- Prepared Proposal for Graduate Program: Five Year BA/MA in Applied Sociology, October 2011.

Harriet Hartman

- 2010 Book series editor, “Studies of Jews in Society,” Springer Publishers.
- Editorial Board, Contemporary Jewry.
- Reviewer: Journal for the Scientific Study of Religion, Sociology of Religion, Sex Roles, Contemporary Jewry.
- Reviewer for Academic Press: Uzi Rebhun, The Wandering Jew in America (forthcoming).
- “Core Connection: How Birthright Israel Works”, Book Review of Shaul Kelner, Tours That Bind: Diaspora, Pilgrimage and Israeli Birthright Tourism (NYU Press), in The Forward July 23, 2010.
- President, Association for the Social Scientific Study of Jewry.
- Chair, Rowan University Institutional Review Board.
- American Studies Advisory Board
- Women’s Studies Advisory Board
- CLAS Adjusted Load Committee member.

# Program Profiles

## *Sociology*

### *Other Scholarly Activity*

#### Mark Hutter

- Associate Editor, *Journal of Comparative Family Studies*, 1984-present.
- Editorial Advisory Committee and Editorial Board, *Journal of Family History: Studies in Family, Kinship, and Demography*, 1995-present.
- Reviewer, *Symbolic Interaction*, 1983-present.
- Advisor member Alpha Kappa Delta, International Sociology Honor Society.

#### Sandra Jones

- Brought three students to present their research at a poster session at the 81st Annual Meeting of the Eastern Sociological Society in Philadelphia, PA, February 24-27, 2011.
- Served as faculty advisor for Sociology Club throughout the 2010-2011 academic year.
- Served as faculty advisor to Alpha Kappa Delta, the International Sociology Honor Society throughout 2010-2011 academic year.
- Served as faculty advisor for Progressive Student Alliance (PSA) throughout 2010-2011 academic year.
- Served on the following department committees: Alumni Relations, Assessment Committee, Election Committee.
- Served on the following university committees: Senate Diversity Committee, SMART (Stress Management and Response Team), Africana Studies Council.

#### DeMond Miller

- Invited Address: *Applied and Clinical Sociology: An Introduction to Sociological Intervention--Micro, Mezzo and Macro Approaches*. University of the Aegean, Mytiline, Lesvos, Greece, May 11, 2011. Mytiline, Lesvos, Greece.
- Invited Address: *The Role of NGOs in an Integrated Framework for Volunteerism, Community Service, and Community Empowerment*. Municipality of Kaisarianis, Greece Workshop, Kaisarianis, Greece, April 9, 2011.
- Invited Address: *Ways of Knowing and Understanding in Social Research*. University of the Aegean, Mytiline, Lesvos, Greece, May 11, 2011.
- Invited Address: *Responding to Hurricane Katrina and Civic Preparedness*. Volunteer Fire Fighters of Athens. Professional Development Address, Athens, Greece, November 27, 2010.
- Invited Address: *The Socio-Economic Impact of the Deep Horizon Oil Spill in the Gulf Coast Region. Energy Issues and Challenges - Post BP Oil Spill. (Part II of GIC's Three Part Energy Conference)*. Temple CIBER, Fox School of Business and the Global Interdependence Center. Federal Reserve Bank of Philadelphia, Philadelphia, PA, September, 22, 2010.
- Editorial Board (2008-2011), *Sociological Spectrum*, Official Journal of the Mid-South Sociological Association.
- Editorial Board (2010-2013), *Journal of Applied Social Sciences*, Official Journal of the Association for Applied and Clinical Sociology.
- Editorial Board, Book Review Editor: *Environment, Space, Place*, Official Journal of the International Association for the Study of Environment, Space, and Place.

## *Sociology*

### *Other Scholarly Activity*

Ieva Zake

- Member of the Editorial Board, Encyclopedia of Quality of Life Research (Springer, 2010-2011).
- Guest Editor, special issue, “The Cold War and American Ethnic Groups” (Journal of American Ethnic History, 2010-1011).

### *Other Departmental Accomplishments*

Allison Carter

- Organized the campus event, “Report from the Man Question Workshop.”

Harriet Hartman

- Organized and moderated panel on “Decision Making in the University,” (Participants: A. Houshmand, B. Caswell, J.J. Vogel, M. Pontes), April, 2011.

Sandra Jones

- Organized the Second Annual Sociology Alumni Career Fair at Rowan, April 2011.
- Organized a campus-wide event called “Lethal Injustice: Standing Against the Death Penalty and Harsh Punishment,” as part of the National Tour of the Campaign to End the Death Penalty, held at Rowan on February 18, 2011.
- Organized the 7th Annual Sociology Alumni Picnic, May 2011.

# College Strategic Planning

## *Undergraduate Education*

### *Goals*

- Improve learning outcome assessments.
- Create interdisciplinary education connecting all clusters of the College.
- Develop partnerships with an increased utilization of the Camden Campus.
- Develop non-traditional undergraduate and alternative methods of delivery.

### *Objective #1: Improve the way in which assessment information is analyzed and utilized for major programs and general education*

- Each department shall provide a report to the CLAS Dean's office, detailing (1) the assessment information already being collected for the major and general education offerings and (2) methods of utilizing the data.
- Form a standing Assessment Committee, with each department electing one faculty for membership. This committee will act as a liaison to the CLAS Dean's Office and to the Office of Institutional Effectiveness, Research, and Planning.

### *Objective #2: Optimize curricular offerings.*

- Produce a report outlining the most efficient rotation of service, required, and elective courses by department based on enrollment history and programs.
- Where possible, explore degree options that will allow students greater flexibility and choice (i.e., B.A. and B.S. in Chemistry).
- Appoint CLAS liaison(s) to RU Office of Enrollment Management and related units.

### *Objective #3: Optimize the use of cross-disciplinary courses to produce a more efficient general education experience.*

- Benchmark team-teaching budget models, both cross-departmental and cross-College collaborations.
- Through the Faculty Center, provide workshops to promote effective collaboration and team-teaching practices.
- Investigate the establishment of grants for faculty developers of innovative, cross-disciplinary courses.

### *Objective #4: Evaluate ways to improve collaborative faculty-student research.*

- Each department shall provide a report to the CLAS Dean's Office, detailing (1) current faculty-student research; analysis of needed support to maintain and enhance collaborative projects; and analysis of factors prohibiting collaborative research and (2) benchmarking of faculty-student research options and funding at other institutions.
- The Dean's Office and departments shall explore funding options to support the work of undergraduate student research assistants.
- The Dean's Office and departments shall devise guidelines for submitting competitive proposals for the use of the funds outlined above.



**Objective #5: Sustain expertise in critical areas of discipline-specific knowledge and research.**

- Compile a list of the critical areas of expertise needed to sustain programs and determine appropriate faculty status (rank plus permanent, FTT / visiting professor, adjunct, postdoc, fellow appointment) to maintain a quality program, benchmarked with data from appropriate peer and aspirant institutions.
- Determine minimum and optimal ratios of adjunct faculty to full-time faculty and identify ways to minimize the ratio of adjunct faculty to full time-faculty.

**Objective #6: Develop a research-rich environment for learning.**

- Increase research opportunities both inside and outside the classroom.
- Provide opportunities for undergraduate students to increase their exposure to research through grant-funded and scholarship/fellowship activities.
- Provide opportunities for undergraduate students to become involved in professional and/or industrial activities.

**Graduate Education**

**Goal**

- Enhance and strategically expand graduate programs.

**Objective #1: Enhance the quality of existing and potential graduate programs.**

- Identify common research interests among faculty and graduate students. Support the development of centers of excellence.
- Institute an Office of Sponsored Research within the College to assist faculty and graduate students in finding grant/fellowship opportunities and in writing grants.
- Reestablish general GA fund to provide research-active faculty without current grant support the ability to attract high-quality graduate students.

**Objective #2: Enhance the reputation of and student interest within the College to ensure healthy student enrollment in existing graduate programs.**

- Increase marketing of existing graduate programs.
- Reestablish general GA fund to stabilize graduate enrollment.

**Objective #3: Increase the diversity of graduate offerings within the College.**

- Develop new modular skills-based offerings and COGs.

**Objective #4: Benchmark with respect to existing graduate programs at comparable local institutions.**

- Collect and summarize data from comparable institutions with regard to the number of graduate programs, graduate enrollment, faculty workload, and faculty research productivity to assess our existing programs.

# College Strategic Planning

## *Faculty and Staff Enrichment*

### *Goals*

- Enhance the commitment of the College to academic quality and integrity by focusing on faculty- and staff-related issues.

### *Objective #1: Maintain and expand existing resources for professional development*

- Develop mentorship program at departmental level in conjunction with Faculty Center.
  - Ask chairs for data on existing mentorship programs.
  - Ask departments to do benchmarking with peer institutions.
  - Ask Faculty Center to provide “best practices”.
  - Have College sponsor a mentorship summit.
- Increase support by designating portion of College budget for professional development when possible.
- Support research leave for junior faculty in particular but all faculty in general.

### *Objective #2: Sustain expertise in critical areas of discipline-specific knowledge and research*

- Replace, reassign, or add tenure-track lines to targeted areas.
- Departments will monitor and track data and rely on strategic plans when requesting tenure-track hires.
- Explore options for establishing endowed / named chairs.

### *Objective #3: Improve the process of working with the CGCE*

- Review and update the CGCE Memorandum of Agreement.
- Specify a “point person” within CGCE to work with department chairs for programs and for providing classes for other programs on issues such as scheduling.

### *Objective #4: Improve faculty’s ability to obtain necessary information*

- Make faculty and staff aware of Rowan / CLAS central repositories for policies/procedures/other useful information.
- Establish “best practices” section on Faculty Center / CLAS websites.

## ***Infrastructure and Budgeting***

### ***Goal***

- Develop and fund new academic and entrepreneurial programs.
- Promote external grant activities.
- Increase foundation and corporate funding.
- Establish ongoing fundraising initiatives to increase available resources.
- Improve the quality and number of students and their retention rates.
- Promote the College through online and print publications and other means.

### ***Objective #1: Improve physical infrastructure within the College.***

- Plan building a Liberal Arts and Sciences building.
- Budget for preventative maintenance on the facilities and large pieces of research equipment.
- Streamline the purchasing process to clear out various obstacles creating long delays in purchasing materials for research and teaching.

### ***Objective #2: Improve availability and quality of personnel within the College.***

- Increase the faculty size.
- Increase internal research funds for faculty.
- Preserve the adjusted load program.

### ***Objective #3: Obtain funds for prioritized improvements (through, for example, CGCE revenue, summer activities, research grants, indirect costs, fundraising, partnerships with external organizations).***

- Increase CGCE summer offerings, especially upper level courses.
- Offer summer opportunities for high school sophomores/juniors (PSAT / SAT prep, science academy, writing academy, engineering academy, etc.).
- Fundraising.

### ***Objective #4: Improve communication with other Colleges.***

- Create blended programs (e.g., 3/2 BA/BS, MA/MS with Engineering, Education, etc.)
- Develop cross-College team-taught courses.
- Create and sustain a close collaboration with the Honors Program to attract the best students and thus improve the profile of the College and its attractiveness to potential donors.

# College Strategic Planning

## *Faculty and Staff Enrichment*

### *Objective #5: Increase sustainability for CLAS*

- Encourage paperless meetings, syllabi, etc.
- Increase number of Tech classrooms to enhance paperless classrooms.
- Embed environmental issues in CLAS curriculum.
- Ask CLAS departments and programs to include plans for sustainability in SWOT analysis and five-year plans.

## *Localization/Globalization*

### *Goals*

- Incorporate study abroad programs in our education.
- Improve internationalization in our curriculum and cultural activities.
- Developing new strategic partnerships with universities abroad.
- Develop partnerships with selected high schools and community colleges.
- Promote student and faculty engagement in civic services in local areas.
- Improve our town/gown relationship.

### *Objective #1: Increase internationalization/globalization in CLAS.*

- Increase global / international content in CLAS curriculum/courses.
- Strengthen student enrollment in foreign languages; require foreign languages when possible.
- Encourage faculty to offer courses abroad (short-term faculty-led programs).
- Attract international students to selected programs within CLAS and the University.
- Ask CLAS departments and programs to include plans for internationalization in SWOT analyses and five-year plans
- Create a working group to consider plans such as the following:
  - Expand summer opportunities abroad, especially for students in science/technical/education programs.
  - Develop comprehensive curricular paths to make internationalization meaningful to students.
  - Build on general education reform to infuse internationalization that is meaningful to students.
  - Enhance and create exchange possibilities for faculty.

*Localization/Globalization*

***Objective #2: Increase outreach in local/regional matters.***

- Increase ties, including academic and cultural offerings, between Camden/Glassboro campuses.
- Improve CLAS ties with the community/region.
- Develop partnerships with selected high schools and community colleges.
- Promote CLAS student, faculty, and administration involvement in civic activities.
- Ask CLAS departments and programs to include Camden in their SWOT analyses and five-year plans.



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