

# 2009-2010

## College of Liberal Arts & Sciences Annual Report



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## *Executive Summary*

### **Parviz Ansari, Dean**

I am pleased to present the College of Liberal Arts and Sciences 2009-10 Annual Report. This report is a collection of the achievements of the academic departments and special programs within the College from July 1, 2009 to June 30, 2010. The impressive breadth and scope of activities of the faculty, students and staff of the College are truly impossible to describe fully in this report. However, this collection provides a meaningful picture of the activities of the College and its academic units.

This report also covers my first year at Rowan as the new Dean of the College of Liberal Arts & Sciences. I am privileged to be leading the largest College at Rowan during such a pivotal time in the University's history. In fall 2009, CLAS welcomed a record high student population of over 5,200 undergraduate and graduate students taught by more than 420 full-time and part-time faculty.

Given the extent of the current issues and the new opportunities within the College, last fall we began a strategic planning initiative at the College and department levels. Through the hard work of faculty, each department developed its one-year and five-year plans starting fall 2009 and, with the widespread contribution of faculty and staff, the College began its 2010-2015 planning effort. The College strategic planning process and activities are presented in some detail in the next section.

Other major achievements of the College during the 2009-2010 academic year are as follows:

- Dean's Distinguished Lecture Series: Four well-known experts from both private industry and academia presented their research.
- Summer Research Grant: This initiative promotes research and scholarship among full-time faculty. Through a competitive process, seven awardees have been selected for summer 2010.
- Exploratory Studies Program: This University-based initiative provides an academic home for undeclared students. The program is housed within and supervised by the College.
- New faculty hires: five new tenure-track faculty: two in English, one in each of the following programs: Chemistry, Biology and Law & Justice Studies.
- A post doc in the Physics Department: The first-ever post doc in the College is supported both by the College and an external grant.
- New degree programs:
  - Master of Science in Computer Science
  - Master of Arts in History
  - Accelerated BA/MS in Computer Science
  - Accelerated BA/MA in History
- New minors:
  - Minor in Philosophy and Religion Studies
  - Minor in Romance Languages
  - Minor in Business Spanish
- New concentrations:
  - In Geosciences, Geographic Information Sciences, Planning
- New Certificates of Graduate Study (COGS):

- In Networks, Software Engineering, Web Development
- New Specializations:
  - In United States History, European Ancient History, Global History
- Four new program sequences or tracks in Liberal Studies: Humanities/Social Sciences.
- Faculty scholarly work showcased in the library during the month of February.
- Hosted events:
  - The National Geographic Society's New Jersey Geography Bee was held at Rowan for the first time.
  - Oslerfest was organized by the Math Department. The Dean has asked the department to continue and expand this conference annually.
  - Foreign Languages & Literatures: Alumni Benefit Concert
  - Computer Science: FIRST Lego® League Qualifying event and 24<sup>th</sup> Annual Rowan University Programming Contest for high school students
  - First annual Law & Justice Studies and Sociology Career Exploration Fair
  - Fourth annual Rowan Sciences Day, showcasing five departments at Rowan: Biological Sciences, Chemistry & Biochemistry, Computer Science, Mathematics and Physics & Astronomy.
  - Annual STEM Symposium
- MSE Collaboration Event was held in recognition of a new collaboration between MSE (Mission Solutions Engineering) and the College through a \$100,000 contract, with a room in Robinson Hall dedicated to this project.
- Public Relations: The College has worked to increase awareness of our faculty, student and alumni accomplishments through enhancements to our website, Facebook presence, new promotional material and revised newsletter. The College has begun the process of developing a formalized public relations plan in collaboration with the office of Media & Public Relations.

My thanks to everyone who has participated in the development and preparation of this annual report!

## *College Strategic Planning*

During the academic year 2009-2010, the College of Liberal Arts and Sciences began the unprecedented task of developing a strategic plan for the next five years. The process was initiated by Dean Ansari in spring 2010 in recognition of the need for the prioritization of various initiatives and the allocation of college resources. The Strategic Planning Executive Committee was formed and members were identified based on nominations received from different venues. The Executive Committee reviewed and approved five strategic goals for the College. These goals concentrate on the enhancement of undergraduate and graduate education, faculty and staff enrichment, college infrastructure, and localization and globalization initiatives. With the supervision of the Executive Committee, five Goal Committees were formed, with specific charges to each committee as outlined at the bottom of this report. Lists of the members of the Executive and Goal Committees are also found below.

Each Goal Committee was asked to compile a set of SWOT's (strengths, weaknesses, opportunities, threats) for the College before developing a set of strategic objectives and associated action plans. A template and instructions were prepared for the Goal Committees. A member of the Executive Committee serves on each of the Goal Committees to ensure proper communication among all members of the planning committees. In addition, we have formed a group of SWOT consultants and have invited University-based consultants to each Goal Committee and the Executive Committee.

A Blackboard portal allows smooth communication among the members of the planning committees, and a College-wide Blackboard site was developed to share the progress of the initiative with all members of the College.

The Executive Committee will receive the final reports of the Goal Committees in spring 2011 and will finalize the plan as a set of recommendations to Dean Ansari. The implementation of the plan will be led by the Dean soon after.

### *Committee Charges*

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#### **Goal Committee 1 – Undergraduate Education**

Enhance and support undergraduate education

1. Develop SWOT data by reviewing the current status of undergraduate programs
2. Develop a set of practical yet innovative and entrepreneurial action plans for
  - a. improving the learning outcome assessments
  - b. reviewing and improving general education courses and the inventory of general education courses
  - c. focusing on interdisciplinary education among our clusters
  - d. enhancing undergraduate research programs
  - e. encouraging the acquisition of sponsored research
  - f. developing partnership with the Camden Campus
  - g. developing partnerships with regional and national industries

### **Goal Committee 2 – Graduate Education**

Enhance and strategically expand graduate education programs

1. Develop SWOT data by reviewing the current status of graduate programs
2. Develop a set of practical yet innovative and entrepreneurial action plans for
  - a. improving existing programs
  - b. enhancing research outputs of participating faculty
  - c. encouraging the acquisition of sponsored research
  - d. identifying promising areas of graduate studies and developing new self- supported graduate programs in those areas
  - e. developing partnerships with regional and national industries
  - f. designing activities at the Tech Park

### **Goal Committee 3 – Faculty and Staff Enrichment**

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

1. Develop SWOT data
2. Develop a set of practical yet innovative and entrepreneurial action plans for
  - a. advancing faculty and chair development
  - b. advancing staff development
  - c. developing a mentorship program for junior faculty
  - d. fostering an environment of research and scholarship
  - e. developing a peer-to-peer teaching enhancement program
  - f. rewarding faculty and staff for their contributions to the advancement of the mission of the College

### **Goal Committee 4 – College Infrastructure**

Promote the College and strengthen its financial base

1. Develop SWOT data
2. Develop a set of practical yet innovative and entrepreneurial action plans for
  - a. developing and funding new academic and entrepreneurial programs
  - b. promoting external grant activities
  - c. increasing foundation and corporate funding
  - d. establishing ongoing fundraising initiatives to increase available resources
  - e. improving the quality and number of students and their retention rates
  - f. promoting the College through online and print publications and other means

### **Goal Committee 5 – College Localization and Globalization**

Develop partnership at local, national and global levels

1. Develop SWOT data
2. Develop a set of practical yet innovative and entrepreneurial action plans for

- a. developing and strengthening interdisciplinary partnerships with other academic units within the University
- b. incorporating study abroad programs in our education
- c. developing partnerships with selected high schools and community colleges
- d. improving internationalization in our curriculum and cultural activities
- e. advancing the green initiative within the College
- f. developing new strategic academic partnerships with universities abroad
- g. promoting student and faculty engagement in civic services in local areas
- h. improving our town and gown relationship

## ***CLAS Strategic Planning Committees***

### **Executive Committee**

Parviz Ansari	Dean
Bill Carrigan	History
John Hasse	Geography & Anthropology
Karen Magee-Sauer	Physics & Astronomy (liaison with Graduate Education)
DeMond Miller	Sociology (liaison with Undergraduate Education)
Cathy Parrish	English (liaison with Localization and Globalization)
Cindy Vitto	Associate Dean (liaison with Faculty/Staff Enrichment)
Cathy Yang	Chemistry & Biochemistry (liaison with College Infrastructure)
Consultants:	
Jim Newell	Associate Provost for Academic Affairs
Bob Zazzali	Associate Provost for Faculty Affairs

### **SWOT Consultants**

Jay Chaskes	Sociology
David Clowney	Philosophy & Religion
Ron Czocho	Mathematics
Habib Jam	Economics
Richard Scott	Geography & Anthropology
Sonia Spencer	Foreign Languages & Literatures
Maria Tahamont	Biological Sciences

### **Goal 1: Undergraduate Education Committee**

Kate Dayton	Chair, Biological Sciences/Health Professions
Larry Butler	Political Science
Kristen diNovi	Assistant Dean
Mira Lalovic-Hand	Associate Provost, Institutional Research and Planning

Marilyn Manley	Foreign Languages & Literatures
DeMond Miller	Sociology – EXEC liaison
Lee Talley	English

Consultants:

Jim Newell	Associate Provost for Academic Affairs
Carol Sharp	Dean, College of Education

**Goal 2: Graduate Education Committee**

Mike Grove	Chair, Biological Sciences
D. J. Angelone	Psychology
Wanda Foglia	Law & Justice Studies
Sam Lofland	Physics & Astronomy
Karen Magee-Sauer	Physics & Astronomy – EXEC liaison
Horacio Sosa	Dean, CGCE

Consultants:

Jim Newell	Associate Provost for Academic Affairs
Carol Sharp	Dean, College of Education

**Goal 3: Faculty and Staff Enrichment Committee**

Keiko Stoeckig	Chair, Psychology
Greg Caputo	Chemistry & Biochemistry
Melissa Klapper	History
Matt Lund	Philosophy & Religion
Cindy Vitto	Dean's Office – EXEC Liaison
Bernadyne Weatherford	Political Science
Jonathan Foglein	Chemistry & Biochemistry

Consultants:

Cindi Hasit	Director of Faculty Center
Karen Siefring	Assistant to Dean of Business for Advisement
Bob Zazzali	Associate Provost for Faculty Affairs

**Goal 4: College Infrastructure Committee**

Ieva Zake	Chair, Sociology
Seth Bergmann	Computer Science
Jay Chaskes	Sociology
Terry O'Brien	Biological Sciences
David Klassen	Physics & Astronomy
Cathy Yang	Chemistry & Biochemistry – EXEC liaison
Joy Wiltenburg	History

Consultant:

Karen Giunta	Managing Administrative Assistant, Provost's Office
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**Goal 5: College Localization and Globalization Committee**

Edward (Mickey) Smith	Director, International Center (co-chair)
Cathy Parrish	English – EXEC liaison (co-chair)
Corinne (Cory) Blake	History
Eduardo Flores	Physics & Astronomy
Tyrone McCombs	Assistant Provost, Camden Campus
Anthony Robb	Foreign Languages and Literatures
Maria Rosado	Geography & Anthropology
Consultant:	
Richard Jones	Interim VP for Residential Learning/Dean of Students

# College at a Glance

## Office of the Dean

Dr. Parviz Ansari	Dean	(856) 256-4850	ansari@rowan.edu
Dr. Cindy Vitto *	Associate Dean	(856) 256-4853	vitto@rowan.edu
Ms. Kristen diNovi	Assistant Dean	(856) 256-4851	dinovi@rowan.edu
Ms. Lynne Hentschke**	Administrative Assistant to the Dean	(856) 256-4500, x3556	hentschke@rowan.edu
Ms. Dottie Mastranduono	Administrative Assistant to the Assistant Dean	(856) 256-4500, x3553	mastranduono@rowan.edu
Ms. Christine DiBlasi	Secretary, Interdisciplinary Studies	(856) 256-5490	diblasi@rowan.edu
Ms. Aimee Burgin	Program Coordinator and Advisor, Liberal Studies: Humanities/Soc. Sciences	(856) 256-4863	burgin@rowan.edu
Ms. Dorie Gilchrist	Coordinator, Exploratory Studies Program	(856) 256-5655	gilchrist@rowan.edu
Ms. Francine Knight	Administrative Assistant	(856) 256-4500 X3557	knight@rowan.edu

\* Cindy Vitto began her role as Associate Dean in January 2010 replacing the Interim Associate Dean, Bob Newland.

\*\*Lynne Hentschke accepted a position in the Office of the Associate Provost for Academic Affairs effective October, 2010

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### *2009-10 Department Chairs and Secretaries*

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<b>Department</b>	<b>Chairperson</b>	<b>Secretary</b>	<b>Ext.</b>
Biological Sciences	Luke Holbrook*	Patricia Lee Milano	x4862
Chemistry & Biochemistry	Catherine Yang	Kathleen Monahan	x4505
Computer Science	Nancy Tinkham*	Debra Coughlin	x4805
English	Catherine Parrish	Theresa Craig	x4065
Foreign Languages & Literatures	Anthony Robb	Kathleen Taddei	x4071
Geography & Anthropology	Maria Rosado*	Laura Ruthig	x4811
History	William Carrigan*	Denise Williams	x4818
Law & Justice Studies	Michael Weiss	Margaret Brown	x4828
Mathematics	Hieu Nguyen*	Bette Counsellor	x4844
Philosophy & Religion	Youru (Charlie) Wang	Teresa Magliocco	x4075
Physics & Astronomy	Karen Magee-Sauer	Donna D'Emilio	x4855
Political Science	Lawrence Butler	Majeeda Hason	x4866
Psychology	Janet Cahill*	Evelyn Stewart	x4870
Sociology	Mary Gallant	Marianne McCulley	x4884

\*Current 2010-11 Department Chairs include:

Terry O'Brien, Biological Sciences  
 Steve Hartley, Computer Science  
 John Hasse, Geography & Anthropology  
 Joy Wiltenburg, History  
 Larry Howe, Mathematics  
 Monica Greco, Psychology

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## 2009-10 Interdisciplinary Programs

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Interdisciplinary Majors	Coordinator	Contact
Africana Studies	Corahann Okorodudu*	okorodudu@rowan.edu
American Studies	Diane Ashton*	ashton@rowan.edu
Economics	Cindy Vitto	vitto@rowan.edu
Environmental Studies	John Hasse	hasse@rowan.edu
Liberal Studies: Humanities/Social Sciences	Aimee Burgin	burgin@rowan.edu
Liberal Studies: Mathematics/Science	Karen Heinz*	heinz@rowan.edu
Interdisciplinary Concentrations	Coordinator	Contact
African American Studies	Corahann Okorodudu*	okorodudu@rowan.edu
Asian Studies	Q. Edward Wang	wangq@rowan.edu
Cartography & Geographical Information Systems	Richard Scott	scott@rowan.edu
Environmental Studies	Terry O'Brien	obrien@rowan.edu
Ethics Concentration	Ellen Miller	millere@rowan.edu
International Studies	Sonia Spencer	spencers@rowan.edu
Urban Studies	Richard Scott	scott@rowan.edu
Women's & Gender Studies	Melissa Klapper*	klapper@rowan.edu

\*Current 2010-11 Program Coordinators include:

James Coaxum, Africana Studies/African American Studies  
 Matthew Lund, American Studies  
 Eric Milou, Liberal Studies: Mathematics/Science  
 Andrew Hottle, Women's & Gender Studies

## Summaries

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### Academics

- 14 undergraduate departments<sup>1</sup>
- 5 graduate departments<sup>2</sup>
- 50 undergraduate programs of study<sup>1</sup>
- 4 programs in Camden<sup>3</sup>
- 20 minor programs<sup>1</sup>
- 5 masters programs<sup>2</sup>
- 14 centers and special programs<sup>1</sup>

### Enrollment: Fall 2009<sup>4</sup>

- Undergraduate Enrollment: 4450
  - 84% full-time (3,748 students) and 16% part-time (702)
  - 46% of all Rowan full-time and part-time undergraduate students (9665)
- 79% White, 8.9% Black, 3.4% Asian, 9.7% other (Total University)
- Graduate Enrollment: 124
  - 77% part-time ( students) and 23% full-time
  - 9% of all Rowan full-time and part-time graduate students (1341)
- 78.4% White, 11.6% Black, 4.6% Asian, 6.4% other (Total University)

### Faculty - Fall 2010<sup>5</sup>

#### Full-Time Faculty

- 168 Full-Time Faculty (Tenured, Tenure Track and Temp)
- 114 Tenured Faculty
- 36 Tenure Track Faculty
- 18 FTT Faculty
- 45 Full Professors
- 69 Associate Professors
- 36 Assistant Professors
- New Hires:
  - 4 Assistant Professors (4 Ph.D.)
  - 6 FTT (5 Ph.D.)

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<sup>1</sup> <http://www.rowan.edu/colleges/las/departments/>

<sup>2</sup> [http://www.rowan.edu/colleges/graduate/pdf/2009\\_grad\\_catalog.pdf](http://www.rowan.edu/colleges/graduate/pdf/2009_grad_catalog.pdf)

<sup>3</sup> <http://www.rowan.edu/camden/prospective/index.cfm>

<sup>4</sup> <http://www.rowan.edu/provost/ierp/factbook/2009/2009.html>

<sup>5</sup> Faculty Information provided by staff of the Office of Liberal Arts and Sciences

**Part-Time Faculty**

- 9 ¾ time faculty
- 250 Adjuncts
  
- 424 Total Faculty (Full-Time and Part-Time)

**Grant and Research Award (received in 2009-2010)<sup>6</sup>**

**Total Grant Activity**

	Proposals		Awards		
	No.	Amount	No.	Indirects	Total Amount
Liberal Arts & Science - New Proposals	52	\$9,306,013	12	\$208,324	\$1,791,763
Liberal Arts & Science – Previously Submitted			5	\$37,942	\$240,000
<b>Total</b>	<b>52</b>	<b>\$9,306,013</b>	<b>17</b>	<b>\$246,266</b>	<b>\$2,031,763</b>
<b>Percent of Total University</b>	<b>28.4%</b>		<b>23.4%</b>		

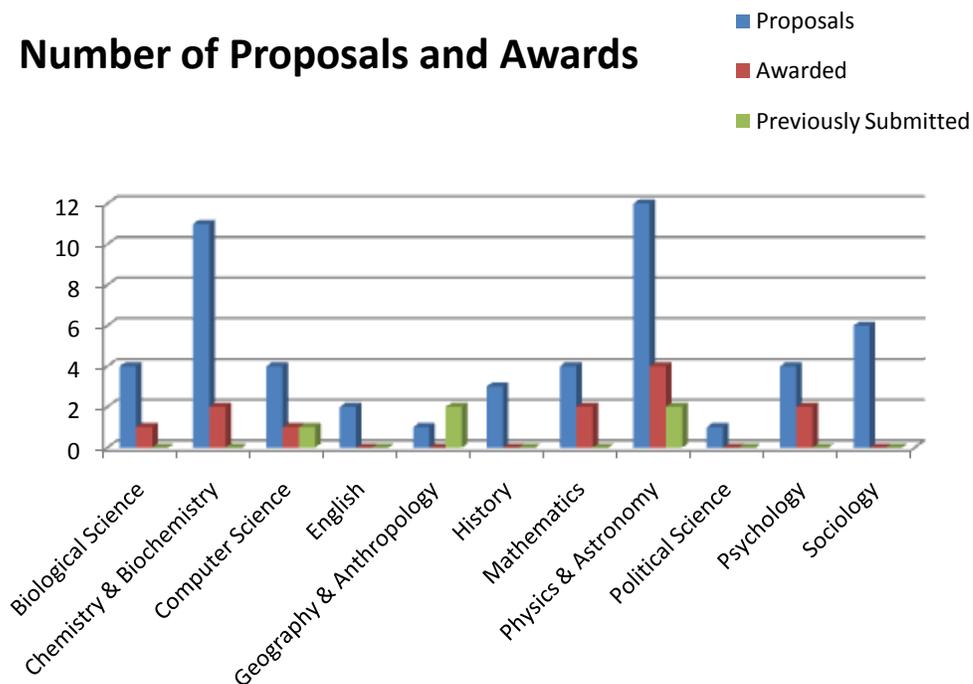
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<sup>6</sup> All grant information is obtained from FY2010 Annual Grant Activity Report provided by the Office of Sponsored Programs at:  
[http://www.rowan.edu/open/provost/grants/quarterly\\_reports/documents/FY10AnnualDetailedReport\\_Final\\_8-5-10\\_000.pdf](http://www.rowan.edu/open/provost/grants/quarterly_reports/documents/FY10AnnualDetailedReport_Final_8-5-10_000.pdf)

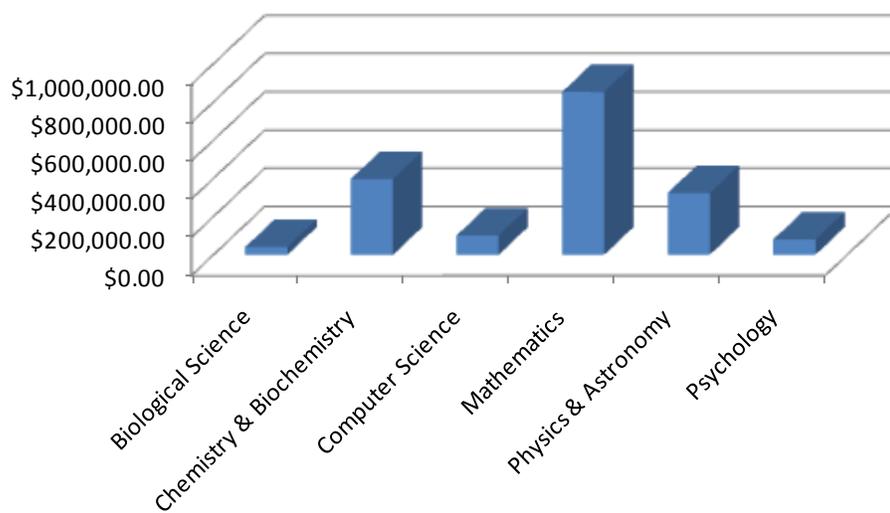
## Award by Major

Program	New Proposals 2009-2010			
	Proposals		Awards	
	No.	Amount	No.	Total Amount
Biology	4	\$1,519,999	1	\$40,000
Chemistry & Biochemistry	11	\$2,240,751	2	\$396,361
Computer Science	4	\$1,062,815	1	\$100,620
English	2	\$6,000	0	-
Geography & Anthropology	1	\$219,611	0	-
History	3	\$93,000	0	-
Mathematics	4	\$1,341,008	2	\$852,000
Physics & Astronomy	12	\$2,348,792	4	\$323,279
Political Science	1	\$12,600	0	-
Psychology	4	\$470,391	2	\$79,503
Sociology	6	\$31,146	0	-
<b>Total</b>	<b>52</b>	<b>\$9,346,113</b>	<b>12</b>	<b>\$1,791,763</b>

### Number of Proposals and Awards



### Amount Awarded



## College Events

### *Dean's Distinguished Lecture Series*

In an effort to raise the profile of the College both within the institution and to external publics, the Dean initiated the Dean's Distinguished Lecture Series, which brought well-known dignitaries from both private industry and academia to campus. During the Spring 2010 semester, four visiting lecturers presented research in their area of expertise:

January 29, 2010

**Dr. Carl Decicco**, Senior Vice President, Discovery Chemistry, Bristol Myers Squibb

#### **Innovation in Drug Discovery**

The lecture highlighted innovation in the discovery of new drugs for the treatment of human disease. The presentation focused on an important area of small molecule discovery from lead seeking activities, chemical optimization, the application of methods in structural biology and computer assisted drug design as well as techniques to identify safe compounds with suitable pharmacological properties for human testing.



L to R: Dr. Catherine Yang, Dr. Carl Decicco, & Dean Parviz Ansari

Friday, February 19, 2010

**Dr. Geronimo Villanueva**, Research Scientist, NASA's Goddard Space Flight Center

#### **Bioastronomy**

Dr. Villanueva's research has focused on the presence of methane on Mars. His research group discovered strong release of methane, a biomarker on Earth, from three regions on Mars during the Northern summer in 2003. This discovery demonstrated the existence of windows into the planet's geochemical and/or biological processes and stimulated keen interest in the origin of the methane released. Is methane on Mars related to biology? When was this gas produced? The answer may be in the infrared, since multiple key bio/geochemical species on Mars have strong signatures in this wavelength region. In his talk, Dr. Villanueva presented the latest results from his 10-year observational campaign of multiple biomarkers on Mars, including measurements of isotopic deuterated water, a chronometer testing the age and origin of volatiles on Mars.



Dr. Benjamin Elman

Wednesday, March 3, 2010

**Dr. Benjamin Elman**, Professor, Asian Studies and History, Princeton University

#### **"Why Blame China? Who Was Responsible for the Limits of Jesuit Science and Technical Transmission to China in the 18th Century?"**

Dr. Elman's lecture focused on why the Chinese never learned about the "Newtonian Century" in Europe and its analytic style of mathematical reasoning until after the Opium War (1839-1842). There were many factors external to China that help explain why the Newtonian revolution came so late in Asia, and not in the eighteenth century. However, allegations that Chinese were not curious about European science in the seventeenth and eighteenth centuries are not true.

Therefore, Dr. Elman explores other reasons for the failure of the Jesuit mission in China and the presumed underdevelopment of science in imperial China.

Friday, April 16, 2010

**Dr. Bruce C. Berndt**

Professor, Mathematics, University of Illinois at Urbana-Champaign

**Ramanujan's Life and Notebooks**

Ramanujan was born in southern India in 1887 and died there in 1920 at the age of 32. He attended college for only one year, but his mathematical discoveries, made mostly in isolation, have made him one of this century's most influential mathematicians. An account of Ramanujan's life will be presented. Most of Ramanujan's mathematical discoveries were recorded without proofs in notebooks, and a description and history of these notebooks will be provided. The lecture was accompanied by photographs depicting Ramanujan, his home, his school, his notebooks, and those influential in his life, including his mother and wife.

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***MSE-Rowan Collaboration***

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Mission Solutions Engineering (MSE), of Arlington, Va., and Moorestown, N.J. awarded a \$100,000 one-year contract to Rowan University to help the firm improve the capabilities of a software system called Advanced Display Infrastructure (ADI). January 21, 2010 marked the official kick-off of the project, which was celebrated with a reception and tour of the facilities in Robinson Hall.

ADI is an application that provides situational awareness to military users and others through a display of the Earth, using the World Geodetic System 1984, in part to show the location of military units. Similar to Google Earth, ADI allows users to navigate a globe to view those units and potential targets.

Dr. Adrian Rusu, an associate professor of computer science, was head of Rowan's team of four undergraduate and graduate students on the project titled "Visualization and Software Engineering Strategies for Tactical Decisions Advances."

The project focused in part on developing software for new decision aids, tools that will help the ADI users more quickly determine and act upon courses of action. The students will develop features that help improve the navigation around the globe and calculations that help determine potential collisions between two objects. The students' computer code will be used as an external support for ADI in what is called an "an independent library" and enable users to employ portable devices similar to a handheld Global Positioning System or GPS. Rowan actually started work on the project last semester, with students developing, among other things, a collision detection tool.

Ultimately, MSE will use the Rowan work to promote its ADI product and to cultivate more business from military service branches.

As well as benefiting MSE, the collaboration benefits Rowan computer science students, who will gain "real-world" experience. MSE is in effect a client of the students, who must deliver a product, hold meetings and present a final report to MSE management. In addition to this project, the MSE/Rowan collaboration will include establishing a co-op program and offering master-level courses at MSE facilities.



*From left to right: Dr. Adrian Rusu, MSE President  
Tim Caswell, Students Spence DiNicolantonio and Robert  
Russell.*



### *Faculty Scholarship Showcase*

During the Spring 2010 semester, the College coordinated its first faculty scholarship showcase in the Campbell Library. On February 22, 2010, a reception was held to celebrate the display of various faculty publications. The showcase was displayed throughout the month of February.

### *11<sup>th</sup> Annual Dean's Recognition Tea*

The eleventh Annual Dean's Recognition Tea was held on Friday, April 16th, 2010 in the Eynon Ballroom, Chamberlain Student Center. The event is held each year to recognize the achievements of the College's most outstanding graduating seniors. Awardees are 2010 graduating seniors who not only achieved academically, but also contributed to the department, university or surrounding community. Department Chairpersons and faculty mentors accompanied the nominees to the event, where they were presented with certificates of recognition and a gift from the Dean's office.

**Ryan Thilo**  
American Studies

**Judy-Lynne Dominisac**  
Bachelor of Science in Nursing

**Lisa DeGironimo**  
Biological Sciences

**Luba Arotsky**  
Biochemistry

**Nicole Mershon**  
Chemistry

**Jonathan Palka**  
Computer Science

**Mayra Zayras**  
Economics

**Chanelle Wilson**  
English

**Brian Yates**  
Environmental Studies

**Daniel Lane**  
Foreign Languages & Literatures

**Jenna Funk**  
Geography & Anthropology

**Tessa Knight**  
History

**Lirim Rufati**  
Law & Justice Studies

**Samantha Edwards**  
Liberal Studies: Humanities/Social Science

**Kathleen Murphy**  
Liberal Studies: Math/Science

**Laura Coffey**  
Mathematics

**Jedediah Blume**  
Philosophy & Religion

**James Applegate**  
Physics & Astronomy

**Elizabeth Palmer**  
Political Science

**Kelly MacKenzie**  
Psychology

**Susan Ellien**  
Sociology



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## *Summer Grants Reception*

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The College held a reception on July 28, 2010 to honor its first group of Summer Grant Awards recipients. With its new initiative to support scholarship and grant activity, the College has funded six research projects involving seven of our faculty from a variety of disciplines:

- Thomas Dinzeo, Psychology: "Cognitive Remediation in Patients with Schizophrenia"; Awarded \$2,725.
- Jeffrey Hettinger, Physics & Astronomy: "Synthesis and Characterization of Thin-films for Biomedical, Protective Coating, and 'On-chip' Energy Storage Applications"; Awarded \$3,000.
- David Klassen, Physics & Astronomy: "Studies Using the Mars Odyssey GRS/HEND"; Awarded \$3,000.
- Lee Talley, English: "'Operation Pied Piper': The WWII Evacuation of British Children and the Children's Literature it Inspired"; Awarded \$1,400.
- Louis Whaley and Lei Yu, Chemistry & Biochemistry: "Electrochemical Reduction of Carbon Dioxide in Designed Ionic Liquids – Greenhouse Gas Fixation and Conversion"; Awarded \$3,000.
- Ieva Zake, Sociology: "Ethnic Politics of the Republican Party and Presidential Administrations of Richard Nixon and Gerald Ford"; Awarded \$1,092.



*Standing (L to R): David Klassen, David Bales, Sandra Bales, Lee Talley, Parviz Ansari, James Newell, Thomas Dinzeo, Jessica Hayes, and Matt Plum; Seated (L to R): Jeffrey Hettinger, Ian Dougherty, Ieva Zake and Lei Yu*

## *New Faculty*



**Matthew Bealor**, Biological Sciences

Matthew Bealor earned Bachelors (Cal-State, East Bay) & Masters Degrees (San Diego State University) in Biology, and a Ph.D. in Ecology & Evolutionary Biology from the University of Colorado at Boulder. He is dedicated to teaching excellence with special interests in inquiry-based approaches to teaching the scientific method. His research interests center on evolutionary and functional aspects of feeding behavior and predator-prey interactions in vertebrates, with an emphasis on squamate reptiles (lizards & snakes). Other teaching/research interests include: sensory ecology, animal cognition and ethics, and zoo biology.



**Melinda DiStefano**, English

Melinda DiStefano, a faculty member in the English department, received her B.A. from Barnard College at Columbia University, and her Ph.D. from Duke University. Her research interests are 20<sup>th</sup> century American Literature, Ecocriticism, and Native American Literature. She is currently engaged in turning her dissertation into a book entitled *The Organic Citizen: Democratic Participation and Indigeneity in US Eco-Narratives of the 20<sup>th</sup> Century*. She is continuing her research on how ecological apocalypse is connected with social, familial, and gendered concepts. Dr. DiStefano published book reviews in *Contemporary Literature* and in *American Literature*; she has presented papers on Native American literature at academic conferences internationally.



**Tabbetha Dobbins**, Physics & Astronomy

Tabbetha A. Dobbins is a Visiting Professor in the Department of Physics & Astronomy. She is currently on leave from her current position as an assistant professor with a joint appointment in physics at Grambling State University and Louisiana Tech University. During her tenure in this position, she has mentored students in both graduate and undergraduate research projects and promoted the student's scientific research. After receiving her doctorate from Penn State University, she was awarded the prestigious National Research Council Post-Doctoral Fellowship to do research at the National Institute of Standards and Technology.



**Kristin Hensley**, Biological Sciences

Kristin Hensley earned her B.A. in Biology from the University of Delaware and her Ph.D. in Neuroscience from the University of Pennsylvania. Before joining Rowan University, she taught introductory biology, human anatomy & physiology, genetics, and bioethics at Montgomery College and American University. Her research interests include neural coding and sensory perception.



**Joseph Johnson**, Law & Justice Studies

Joseph Johnson is coming from the School of Criminal Justice at Michigan State University. Joseph is originally from Minneapolis, Minnesota. While in Minnesota he attended college at Southwest Minnesota State University. Thereafter, he moved with his wife to Cedar Falls, Iowa where he continued his education at the University of Northern Iowa. Currently coming from East Lansing, Michigan, home of Michigan State University, his research interests now generally include gun, gang and/or clique, and violence prevention and programming.



**Nancy LaFleur**, Biological Sciences

Nancy LaFleur received a B.S. in Biology from Eastern Connecticut State University and a Ph.D. in Ecology from the University of Connecticut. She has held a full-time teaching position at Sacred Heart University, as well as adjunct positions at Clark University and Eastern Connecticut State University. Her research interests focus on understanding how animal behavior mediates plant distributions.



**Zena Meadowsong**, English

Zena Meadowsong received her B.A. in English from Princeton University, and her M.A. and Ph.D. in English from Stanford University in 2006. Her area of specialty is 19th and 20<sup>th</sup> century British literature, concentrating on Modernism for which she was awarded the Alden Dissertation Prize in 2007 for her dissertation, “Creating a Monster: Myth, Machines, and the Naturalist Invention of Modernism”. After receiving her doctorate, Dr. Meadowsong was a post-doctoral Fellow in the Humanities at Stanford. She has numerous professional publications in journals such as the *James Joyce Quarterly*, *Nineteenth-Century Literature*, *Tess of the d’Urbervilles*, *Studies in American Naturalism*, and a forthcoming chapter in the *Oxford Handbook of Literary Naturalism*. Dr. Meadowsong is active in the Modernist Studies Association.



**Dayalan Srinivasan**, Biological Sciences

Dayalan Srinivasan received a B.S. in Biology from the University of North Carolina at Chapel Hill and a Masters of Medical Science and a Ph.D. in Experimental Pathology from Harvard University. At Harvard, he studied the developmental control of cell division. His postdoctoral work at Princeton University and current research interests are on the mechanism and evolution of reproductive plasticity in insects. His previous teaching experience includes faculty positions at the Kathmandu University Medical School in Nepal and York College in Queens, New York.

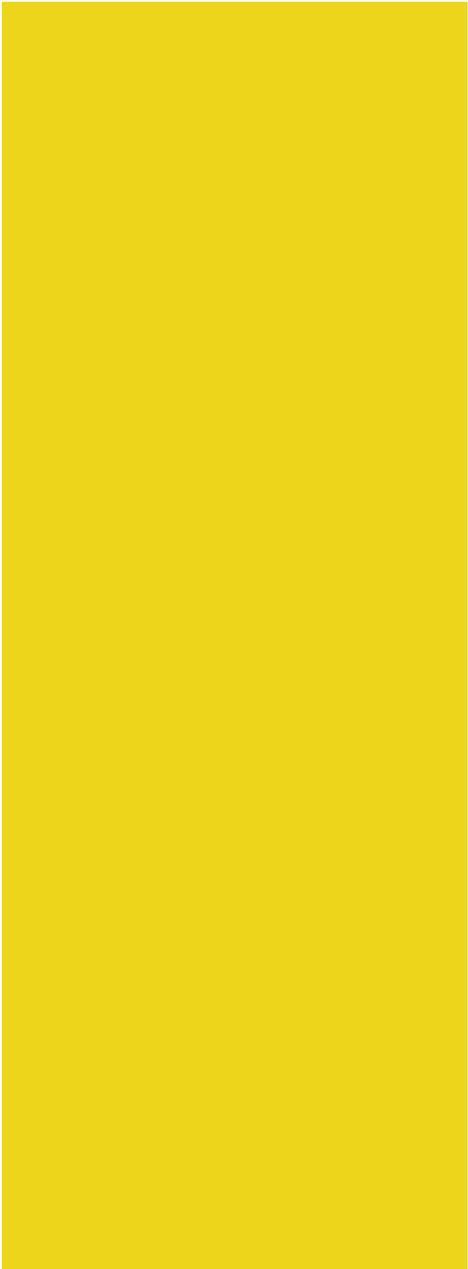


**Timothy Vaden**, Chemistry & Biochemistry

Timothy Vaden received his B.S. in Chemistry from Midwestern State University in Wichita Falls, Texas and a Ph.D. in Physical Chemistry from the University of Illinois at Urbana-Champaign, where he studied ionic clusters using infrared laser spectroscopy. He spent three years as a Royal Society Postdoctoral Fellow at the University of Oxford studying biological molecular conformations with laser spectroscopy and one year at Pacific Northwest National Laboratory studying atmospheric aerosol particles using mass spectrometry. His current research interests are in both atmospheric aerosols and computational and experimental studies of ion-peptide complexes.



# Department Reports



# *Biological Sciences*

## **Degree Program**

- B.S. in Biology

## **Minors/Concentrations**

- Minor in Biology
- Concentration in Environmental Studies
- Concentration in Pre-Medical

## **Students**

- Undergraduate majors: 447
- Number of 2009-10 graduating students: 95

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Compile assessment data
- Hire a cell biologist
- Create a vision statement

### **2010-2014**

- Enhance faculty and staff development
- Assess new curriculum
- Bring staffing in line with enrollment

## **Faculty**

- Patrick Crumrine, Ph.D., Assistant Professor; Freshwater and community ecology
- Michael Grove, Ph.D., Associate Professor; Marine ecology and conservation
- Greg Hecht, Ph.D., Associate Professor; Microbiology
- Luke Holbrook, Ph.D., Full Professor; Vertebrate morphology and evolution
- Cristina Iftode, Ph.D., Associate Professor; Eukaryotic genetics
- Alison Krufka, Ph.D., Assistant Professor; Cell and development biology
- Terry O'Brien, Ph.D., Associate Professor; Plant biology
- Courtney Richmond, Ph.D., Associate Professor; Marine and invertebrate biology
- Maria Tahamont, Ph.D., Full Professor; Human biology and physiology

## **Faculty Awards**

### **Patrick Crumrine**

- *2009 Faculty Center Wall of Fame*
- *Junior Faculty Innovative Teaching Award*

## **Grants**

### *External Grants*

### **Cristina Iftode**

- NSF-RUI (Co-PI): RUI: *Injectable Multi-functional Scaffolds for Regeneration of Intervertebral Disc Tissue*. \$318,474. 09/01/10-09/30/13

#### Internal Grants

##### Alison Krufka

- NSF: *Evolution of the Lateral Line in Threespine Stickleback* FY 2010 \$4,600
- Assistant Professor Travel Grant \$1,500

#### Scholarly Activities

##### Publications

##### Patrick Crumrine

- *Body size, temperature, and seasonal differences in size structure influence the occurrence of cannibalism in larvae of the migratory dragonfly, Anax junius*, Aquatic Ecology, (in press, published online February 4, 2010).
- *Size-structured cannibalism between top predators promotes the survival of intermediate predators in an intraguild predation system*. Journal of the North American Benthological Society 29 (2): 636-646, 2010.

##### Conference Activity

##### Patrick Crumrine

- *Effects of shared prey density on intraguild predation: Does experimental venue matter?* 94<sup>th</sup> Annual Meeting of the Ecological Society of America, Albuquerque, NM, August 2009, August 4, 2009 (AA. Burgett, ML Rynerson, CM Cornell, RS Keweshan)
- *Effects of Ecosystem Service and Citizenship Lessons on Environmental Attitudes and Behaviors of Fourth Grade Students*, 1<sup>st</sup> Annual Meeting of the Association for Environmental Studies and Sciences, Madison WI, October, 2009, October 10, 2009 (L. Dubiel, T. Lindsay, R Livingston, E. Nolan, BS Yates)
- *Complex effects of agrochemical mixtures on pond ecosystems*, 94<sup>th</sup> Annual Meeting of the Ecological Society of America, Albuquerque, NM; August 5, 2009 (JM Romansic, NT Halstead, TR Raffel, SJ Johnson, T. McMahon)

##### Luke Holbrook

- With Margery Coombs, *Observations on cranial characters of chalicotheres (Mammalia Perissodactyla) with emphasis on the ear region*. (Sixty-ninth annual meeting of the Society of Vertebrate Paleontology, Bristol, UK, September 2009), September 26, 2009

##### Cristina Iftode

- *Mutations in a non-conserved C-terminal region of adenovirus DNA polymerase have differential effects on late adenoviral protein production*. The 10<sup>th</sup> Annual Biomedical Research Conference for Minority Students, Phoenix, AZ November 4-7, 2009. p.117 (E. Oni, M. Fitzgerald, R. Lewandowski, T. Smith)
- *Non-conserved residues of the adenovirus DNA polymerase required for entry into the late phase of the adenoviral infectious cycle*. On Route from Cell Biology to Molecular Medicine, Bucharest, Romania, September 18-21, 2009.
- *Chemical luminescence optimization of electrophoretic mobility shift assays*. The 12<sup>th</sup> Annual Rowan Science, Technology, Engineering and Math Student Research Symposium, April 23, 2010. (Eileen Oni, Michael Fitzgerald, Lisa DeGironimo)
- *Screening of mutant adenovirus genomes used in the study of gene expression regulation*. The 12<sup>th</sup> Annual Rowan Science, Technology, Engineering and Math Student Research Symposium, April 23, 2010. (Jacqueline Davis, Sherri English, Bianca Hess)
- Poster juror and discussant at the Cooper-UMDNJ Research Week, Camden, NJ, April 19, 2010.

##### Alison Krufka

- *Ureagenesis in Developing Zebrafish*, Mid-Atlantic Society for Developmental Biology Meeting, Baltimore, MD, June 4, 2010 (Ljuba Caldovic, Himani Majumdar, Mary Pinter)
- Ecological Correlated of Lateral Line Diversity in Threespine Stickleback (Evolution Meeting, Portland, OR, June 27, 2010) (Matthew Travis, Jason Mora, Cindy Kong)
- Attended conference: Mid-Atlantic Zebrafish Meeting, Philadelphia, PA, April 16, 2010

**Courtney Richmond**

- Mid-Atlantic Chapter of the Ecological Society of America meeting, University of Mary Washington, Fredericksburg, VA, April 17, 2010
- First IV planning workshop for regional team leaders, Kellogg Biological Station, Hickory Corners, MI April 8-11, 2010
- First IV workshop, Smithsonian Environmental Research Center, Edgewater, MD, May 18-21, 2010

*Other Scholarly Activity*

**Courtney Richmond**

- Grant proposal reviewer(separate from NSF panel), National Science Foundation- Biological Oceanography program, 10/2010
- Manuscript reviewer, Aquatic Biology (1), Limnology & Oceanography(2), Marine Ecology Progress Series (3), various dates from August 2009 – March 2010

**Terry O'Brien**

- Research and preparation of taxonomic treatment of the moss *Helodium* for the The Flora of North America, January 1, 2010-May 30, 2010
- Research on the phylogeographic pattern in the moss *Aulacomnium palustre*, September 1, 2009-May 30, 2010

**Greg Hecht**

- Co-PI on grant proposal to National Science Foundation “URM: Preparing Future Biologists at Rowan University” (Patrick Crumrine, PI). Submitted April 26, 2010
- Co-PI on grant proposal to National Science Foundation “MRI: Acquisition of a Matrix Assisted Laser Desorption-Ionization Time of Flight Mass Spectrometer for Use in Undergraduate Chemistry, Biology, and Engineering Research.” (Gregory Caputo, PI) Submitted April 26, 2010
- “Investigation of Breakdown of Fats, Oils, and Greases.” Co-PI on funded project housed in Department of Chemical Engineering (Zenaida Gephardt, PI) January 19, 2010-May 10, 2010

# *Chemistry & Biochemistry*

## Degree Programs

### *Undergraduate*

- B.A. in Chemistry
- B.S. in Biochemistry
- B.S. in Chemistry
- B.S. in Physical Sciences/Chemistry

### *Graduate*

- Joint M.A. in Subject Matter Teaching with Education

## Minors/Concentrations

- Minor in Chemistry

## Students

- Undergraduate Majors: 176
- Number of 2009-10 graduating students: 36

## Strategic Goals for 2009-2014

### 2009-2010

- Improve curriculum with more upper level major courses
- Provide more student research opportunities
- Develop highly-demanded and interdisciplinary programs, such as Forensic Science and Biomedical Science

### 2010-2014

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

## Faculty

- Greg Caputo, Ph.D., Assistant Professor; Biochemistry/Biophysical
- Subash Jonnalagadda, Ph.D., Assistant Professor; Organic Chemistry/Synthesis
- Amos Mugweru, Ph.D., Assistant Professor; Analytical Chemistry/Biosensor
- Robert Newland, Ph.D., Full Professor; Organic Chemistry/Polymer
- Kandalam Ramanujachary, Ph.D., Full Professor; Inorganic/Solid State Chemistry
- Catherine Yang, Ph.D., Full Professor; Biochemistry/Medicinal Chemistry
- Lei Yu, Ph.D., Assistant Professor; Analytical Chemistry/Nano Materials

## Grants

### *External Grants*

#### **Kandalam Ramanujachary, CoPI**

- “Heavy Metal Contamination in High Way Marking Beads”, [co-PI] 1/1/2008-6/30/2010 from *New Jersey State Department of Transportation*, Amount: \$269,142

- ‘Quantitative Validation of special state of Hydrogen Atoms in Metal Hydrides’, [Co-PI], 6/30/2009-6/30/2010 from *Black Light Power corporation*, Amount: \$106,000.

#### Catherine Yang

- PI, “Design of Pyridine-Containing Drug Analogs”, *Combi Blocks*, 1/1/2008-12/30/2011, \$100,000
- PI, “Vaccine Development of Poison Ivy”, *Allergy Foundation*, 5/1/2010-5/30/2011, \$7,000

#### Greg Caputo

- Substituent PI, “Porphyrin Nanostructures as Light Harvesting Antennas for Dye Sensitized Solar-Cells”, *Petroleum Research Fund*, \$65,000, 2009-2011
- PI, “Structure-Activity Relationship in Host Defense Peptides”, NIH, 2010, \$292,000

### Scholarly Activities

#### Publications

#### Amos Mugweru

- 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*, 2010, 55(6), 2186-2190
- Zuliang Shen; Amos Mugweru “Electrochemistry of protein and redox polymers trapped in polyethylene glycol diacrylate” *Journal of Undergraduate Chemistry Research* 2010, 9(1), 1-5
- 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*, 2010, 116 (1) 308-313

#### Kandalam Ramanujachary

- *A new low temperature methodology to obtain pure nanocrystalline nickel borate*  
By Menaka; Lofland, Samuel E.; Ramanujachary, Kandalam V.; Ganguli, Ashok K. From *Journal of Organometallic Chemistry* (2010), 695(7), 1002-1005.
- *Enhancement of magnetic ordering temperature in iron substituted ytterbium manganate (YbMn<sub>1-x</sub>Fe<sub>x</sub>O<sub>3</sub>)*  
By Samal, S. L.; Magdaleno, T.; Ramanujachary, K. V.; Lofland, S. E.; Ganguli, A. K. From *Journal of Solid State Chemistry* (2010), 183(3), 643-648.
- *New quaternary Zintl phases - Synthesis, crystal and electronic structures of KA<sub>2</sub>Cd<sub>2</sub>Sb<sub>3</sub> (A = Ca, Sr, Ba, Eu, Yb)*  
By Saparov, Bayrammurad; Broda, Matthew; Ramanujachary, Kandalam V.; Bobev, Svilen From *Polyhedron* (2010), 29(1), 456-462.
- *Amino Acid Based MOFs: Synthesis, Structure, Single Crystal to Single Crystal Transformation, Magnetic and Related Studies in a Family of Cobalt and Nickel Aminoisophthalates*  
By Sarma, Debajit; Ramanujachary, K. V.; Lofland, S. E.; Magdaleno, Travis; Natarajan, Srinivasan From *Inorganic Chemistry (Washington, DC, United States)* (2009), 48(24), 11660-11676.
- *Crystal, electronic structures, optical and magnetic properties of Tb<sub>4</sub>Al<sub>2</sub>O<sub>9</sub>*  
By Li, Y. Q.; Hirotsaki, N.; Xie, R. J.; Takeda, T.; Lofland, S. E.; Ramanujachary, Kandalam V. From *Journal of Alloys and Compounds* (2009), 484(1-2), 943-948.
- *Magnetic and photocatalytic properties of nanocrystalline ZnMn<sub>2</sub>O<sub>4</sub>*  
By Mohammed Qamar, Menaka; Lofland, Samuel E.; Ramanujachary, Kandalam V.; Ganguli, Ashok K. From *Bulletin of Materials Science* (2009), 32(3), 231-237.
- *Engineering of copper molybdates: Piperazine dictated pseudopolymorphs*  
By Pavani, Katikaneani; Singh, Monika; Ramanan, Arunachalam; Lofland, Samuel E.; Ramanujachary, Kandalam V. From *Journal of Molecular Structure* (2009), 933(1-3), 156-162.
- *Microemulsion-mediated synthesis of cobalt (pure fcc and hexagonal phases) and cobalt-nickel alloy nanoparticles*  
By Ahmed, Jahangeer; Sharma, Shudhanshu; Ramanujachary, Kandalam V.; Lofland, Samuel E.; Ganguli, Ashok K. From *Journal of Colloid and Interface Science* (2009), 336(2), 814-819.

**Catherine Yang**

- 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.
- 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
- Jiao, K. S., Yang, C. F. and Garofalo, J., “Liquid Chromatography Mass Spectrometric Analysis of Organo-phosphate Treated Chymotrypsin”, 2009, *American Society of Mass Spectrometry*, Philadelphia, June 1-5.

*Conference Activity*

**Amos Mugweru**

- 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
- 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
- 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
- Trinh, Phong and Mugweru, Amos Electrochemical sensors based on poly[4-vinylpyridine Os(bipyridine)2Cl]-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
- 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
- Mugweru, Amos, Trinh, Phong; Ramanujachary, Kandalam V.; Ganguly, Aparna; Ganguli, Ashok; “Claisen-Schmidt Condensation Reaction Catalyzed by Magnesium Oxide Nanoparticles” 36<sup>th</sup> Northeast Regional Meeting of the American Chemical Society, Hartford, CT, United States, October 7-10, 2009
- Mugweru, Amos; Shen, Zuliang. “Electrochemistry of mixed electroactive species trapped in polyethylene glycol polymer networks” 238<sup>th</sup> American Chemical Society Meeting, Washington DC, United States, August 16-20, 2009
- Mugweru Amos; Nathaniel Havens “Carbon nanotube based electrochemical sensors for PSA in polyethylene glycol-diacrylate (PEG-DA) hydrogels’ 237<sup>th</sup> American Chemical Society meeting & Exposition March 22-26, Salt Lake City, UT United States, 2009

**Kandalam Ramanujachary**

- *Claisen-Schmidt Condensation Reaction Catalyzed by Magnesium Oxide Nanoparticles*. By Trinh, Phong; Ramanujachary, Kandalam V.; Ganguly, Aparna; Ganguli, Ashok; Mugweru, Amos From Abstracts, 36<sup>th</sup> Northeast Regional Meeting of the American Chemical Society, Hartford, CT, United States, October 7-10 (2009)
- *Fluoride Ion Detection by FISE*, Ramanujachary, Kandalam V.; Asian Conference on Solid State Ionics, Wuhan, China, May/2010.
- Chaired a Session on High Energy Batteries at the Asian Conference on Solidstate Ionics, Wuhan, China, May/2010.

**Catherine Yang**

- Yang, C. F., “Overview Biomedical Sciences”, *Keynote speech of Recent Trends in Nano- and Bio-Sciences*, February 24-26, 2010, Hydrabab, India.
- Yang, C. F., “Drug Design for Prostate Cancer”, *Recent Trends in Nano- and Bio-Sciences*, February 24-26, 2010, *Proceedings*, pp. 14, Hydrabab, India.
- Yang, C. F., Session Chair, Bio-Science Session, *Recent Trends in Nano- and Bio-Sciences*, February 24-28, 2010, Hydrabab, India.

*Other Scholarly Activity*

**Catherine Yang**

- Engaged in collaborative research with Dr. Robert Coifman from Allergy Association on vaccine development of poison ivy.

**Accomplishments**

- Joint grant proposal effort with GCC on DOL chemical/biochemical job training program, \$2.5 million
- The fourth annual Rowan Sciences Day was held on campus on March 26, 2010. The event hosted approximately 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 & Biochemistry department provided hands-on demonstrations for the students that encompassed chromatography, spectroscopy, electrochemistry, polymer chemistry and biochemistry. The Chemistry & 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 & Biochemistry).
- 2009 department newsletter distributed to alumni

**Notable Student Achievements**

- American Chemical Society Student Annual Award
- American Chemical Society-Chemist Award
- Student Travel Award from the Biophysical Society of American Chemical Society
- SAIL Award
- Presentations at professional conferences:
  - Two posters at MARM-ACS
  - Six posters at SJACS
  - One poster at Temple/PACS symposium
  - One poster at Biophysical Society Meeting
  - Twelve STEM symposium posters

# Computer Science

## Degree Programs

### *Undergraduate*

- B.S. in Computer Science  
Specializations:
  - Software Engineering
  - Networking and Operating Systems
  - Information Technology
  - Programming Languages and Compilers
  - Artificial Intelligence
- B.S./M.S. Accelerated Program

### *Graduate*

- B.S./M.S. Accelerated Program
- Certificate of Graduate Study in Networks
- Certificate of Graduate Study in Software Engineering,
- Certificate of Graduate Study in Web Development
- M.S. in Computer Science

## Minors/Concentrations

- Minor in Computer Science

## Students

- Undergraduate Majors: 215
- Number of 2009-10 graduating students: 32

## Strategic Goals for 2009-2014

### 2009-2010

- Begin the M.S. in Computer Science
- Begin the B.S./M.S. in Computer Science
- Begin the COGS in Software Engineering, Web Development, and Networks

### 2010-2014

- Fully implement MSCS, B.S./M.S., COGS programs
- Develop activities for the Learning Community
- Increase funding from government and industry collaboration

## Faculty

- Khaled Amer, Ph.D., Assistant Professor; Theoretical computer science
- Ganesh Baliga, Ph.D., Full Professor; Machine learning, object oriented design & modeling, Web computing
- Seth D. Bergmann, M.S.E., Associate Professor; Programming language design and implementation, data locality in sorting algorithms.

- Joel M. Crichlow, Ph.D., Associate Professor; Ph.D.; Distributed Systems: management of replicas, transaction processing protocols.
- Stephen Hartley, Ph.D., Associate Professor; Computer science education, concurrent programming, operating systems.
- Vasil Y. Hnatyshin, Ph.D., Associate Professor; Quality of service in IP and wireless networks, computer and network security
- Gabriela Hristescu, Ph.D., Associate Professor; Computational biology, databases, parallel and distributed computing, artificial intelligence
- Jennifer Kay, Ph.D.; Associate Professor; Robotics, artificial intelligence, human-computer interaction, computers and the elderly, cryptography, Computer Security
- Andrea F. Lobo, Ph.D., Full Professor; Wireless networks, protocols & applications, Internet protocols & applications, computer network performance, systems modeling and simulation
- Darren F. Provine, M.A., Instructor; Human-computer interaction, web programming, computer science education
- John Robinson, Ed.D., Professional Staff; Computer networking, Web/CGI programming, object-oriented design & programming, wireless technology, hardware design/VHDL, computer science education
- Adrian S. Rusu, Ph.D., Associate Professor; Information visualization, human-computer interaction, algorithms, graph theory, computer graphics, computer animation, computer security, digital watermarking
- Jerome F. Spencer, M.B.A., Professional Staff
- Bernard P. Sypniewski, J.D., Assistant Professor; Computation linguistics, artificial intelligence, bioacoustics
- Nancy L. Tinkham, Ph.D. Assistant Professor; Artificial intelligence, theoretical computer science, inductive logic programming, computational linguistics, computer science education
- Leigh Weiss, M.S., Associate Professor; FPGA, Design
- Jianning Xu, Ph.D., Full Professor; Computer image processing, pattern recognition, mathematical morphology

## Grants

### *External Grants*

#### **Adrian Rusu**

- Mission Solutions Engineering, *Visualization and Software Engineering Strategies for Tactical Decisions Advances*, \$100,000 contract

#### **John Robinson**

- *"Integrating Embedded Systems Programming into Computer Science Education"*, Aldec Inc., University Program, 2010, \$2650

### *Continuing External Grants*

#### **Adrian Rusu**

- *FAA-GUI Development Project*

#### **John Robinson**

- *IBM Academic Initiative Program, perpetual, \$25,000*

### *Internal Grants*

#### **John Robinson**

- "Integrating VHDL Technology into the Computer Science Curriculum", Professional Development Grant, Rowan University, 2009, \$618.35.

## Scholarly Activities

### Publications

#### Joel Crichlow

- *Distributed Systems: Computing over Networks*. New Delhi: Prentice Hall India, 2009.

#### John Robinson

- *Enterprise Computing II: An Object-Oriented Approach using Visual Studio 2005*. Deer Park, NY: Linus Publications, 2009.

### Conference Activity

#### Vasil Hnatyshin

- Hristo Asenov, Vasil Hnatyshin, and Andrew Fabian. "OPNET implementation of the GeoAODV routing protocol", poster presentation at the Consortium for Computing Sciences in Colleges 25th Annual Eastern Conference, Villanova University, Villanova, PA, October, 2009.
- Hristo Asenov, and Vasil Hnatyshin. "GPS-Enhanced AODV routing," in *Proceedings of the 2009 International Conference on Wireless Networks (ICWN'09)*, Las Vegas, Nevada, USA (July 13-16, 2009) .

#### Vasil Hnatyshin and John Robinson

- Vasil Hnatyshin, Hristo Asenov, and John Robinson. "Practical methodology for modeling wireless routing protocols using OPNET Modeler", In *Proceedings of 21st LASTED International Conference on Modeling and Simulation (MS 2010)*, July 15-17, 2010, Banff, Alberta, Canada.

#### Joel Crichlow and Stephen Hartley

- S. Beharry, M. Hosein, Stephen Hartley, and Joel Crichlow. "Processing Transactions with Greater Accuracy and Availability." In COPAR, *Proceedings of the 21st LASTED International Conference Parallel and Distributed Computing and Systems (PDCS 2009)*, Cambridge, MA, November 2-4, 2009, 21-28.

#### Seth Bergmann

- Presented a tutorial on Cryptography at the Consortium for Computing Science in Colleges Eastern Symposium at Villanova University, October 31, 2009.

#### Jennifer Kay

- "Robots as Recruitment tools in Computer Science: The New Frontier or Simply Bait and Switch?" In *Proceedings of the AAAI Spring Symposium on Educational Robotics and Beyond: Design and Evaluation*, March 22-24, 2010, Stanford University.
- Served as a moderator for the panel: "Beyond First Impressions and Fine Farewells: Electronic Tangibles Throughout the Curriculum," Association for the Advancement of Artificial Intelligence Spring Symposium Series, March 22-24, 2010, Stanford University.

### Other Scholarly Activity

#### Adrian Rusu and John Robinson

- A research paper titled "Learning Software Engineering Basic Concepts using a Five-Phase Game" has been recently accepted at the 40th Annual ASEE/IEEE Frontiers in Education Conference. The innovative class setup developed by the course instructor, Dr. Adrian Rusu, in collaboration with Dr. John Robinson (Rowan CS) and Dr. Amalia Rusu (Fairfield University), allowed all thirty students registered for the class to equally participate at the same time in the development of the project.

#### Vasil Hnatyshin

- Served as a paper reviewer for the journals *Computer Networks* and *International Journal of Network Management*.

**Jennifer Kay**

- Reviewed papers for the ACM Transactions on Computing Education (TOCE) journal and for the ACM SIGCSE and ACM ITICSE conferences.
- Gave a talk for Senior Citizens at the Congregation Mkor Shalom Brown Bag Lunch Series titled “Robots 101”.

**Stephen Hartley and Joel Crichlow**

- Supervised a student research project: Combining Optimism and Pessimism in Accessing Replicas.

**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”.

**Accomplishments**

- The 24<sup>th</sup> Annual Rowan University Programming Contest for high school students was held in April 2010. 79 students with their coaches attended. Director: Darren Provine.
- The Rowan University FIRST Lego<sup>®</sup> League Qualifying event for high school students was held December 2009. Co-chair: Jennifer Kay.

**Notable Student Achievements**

- Three CS students (Benjamin Hample, Robert Russell, Edward Burns) co-authored a research paper recently accepted for publication at the 14th IEEE International Conference on Information Visualization, titled "Dynamic Visualizations for Soccer Statistical Analysis". Student Edward Burns will use this work as foundation for his Computer Science M.S. thesis. Ed will present this paper at the conference in London in July 2010. This work was in collaboration with a Physical Education faculty and students from University of Craiova, Romania.  
The semester-long project of ten students from the Spring 2010 Software Engineering II class, taught by Dr. Adrian Rusu, working in collaboration with three engineering students led by Dr. Hong Zhang of Rowan Mechanical Engineering, won second place in the IARC 2010 robotics competition, ahead of schools such as Drexel, TCNJ, or UPenn. Their score was 0.4 points less than the Temple winning team. This project achieved the important course learning outcome of specifying, designing, implementing, and testing a significant real-time safety-critical software project.
- Eleven students from the Spring 2010 Software Engineering II class were recognized with certificates of appreciation by AtlantiCare representatives for their semester-long project titled FallBot. This project achieved the important course learning outcome of specifying, designing, implementing, and testing a significant real-time safety-critical software project
- Five students from the Spring 2010 Software Engineering I/Lab, taught by Dr. Adrian Rusu, were recognized with certificates of appreciation for their contribution to the FAA's Agent-Based Air Traffic Simulation project, and five others were recognized with certificates of appreciation for their contribution to the Lego<sup>®</sup> League's Tournament Scheduler project.

# English

## Degree Programs

- B.A. in English

## Minors/Concentrations

- Minor in English
- Sequence in Liberal Studies: Humanities/Social Sciences

## Students

- Undergraduate Majors: 471

## Strategic Goals for 2009-2014

### 2009-2010

- Create new graduate classes for IMPACT grant
- Assess our curriculum, starting with Literary Studies and Seminars 1 and 2
- Hire 2 lines: British and Multiethnic Literatures of the US

### 2010-2014

- Successfully run our first group of IMPACT grant graduate courses
- Plan and launch Children's Literature Series to bring in one Newbery Award winning author each spring.
- Plan and launch a regional conference on Modernism

## Faculty

- Nathan Carb, Ph.D., Full Professor; Drama, Shakespeare
- Tanya Clark, Ph.D., Assistant Professor; African American literature, Women's Studies
- Joseph Coulombe, Ph.D., Associate Professor; Native American Literature, late 19<sup>th</sup> century US Literature
- William Friend, Ph.D., Associate Professor; Modern and Contemporary Poetry
- Zena Meadowsong, Ph.D., Assistant Professor; Modernism, Modern British literature
- Glenn Odom, Ph.D., Assistant Professor; African Drama
- Catherine Parrish, Ph.D., Assistant Professor; Literature of the American Renaissance
- Lee Talley, Ph.D., Associate Professor; Victorian Literature; Children's and Adolescent Literature.
- Timothy Viator, Ph.D., Full Professor; Drama, Shakespeare; 18<sup>th</sup> century British Literature, Latino Literature
- Cindy Vitto, Ph.D., Full Professor (currently serving as Associate Dean); Medieval Literature; British Literature; American English Grammar

## Faculty Awards

### Lee Talley

- *Faculty Center Wall of Fame for Teaching and/or Advising, Spring 2009*

### Catherine Parrish

- *Faculty Center Wall of Fame for Teaching and/or Advising, Spring 2009*

**Bill Friend**

- Faculty Center Wall of Fame for Teaching and/or Advising, Spring 2009

**Timothy Viator**

- Faculty Center Wall of Fame for Teaching and/or Advising, Spring 2009
- Faculty Center Wall of Fame for Teaching and/or Advising, Spring 2010

**Grants**

*External Grants*

**Glenn Odom**

- Fulbright Award, 2010/2011

**Lee Talley**

- NEH Award, Summer 2010.

Sponsor: Children's Literature Association Program: Faculty Research Grant PI: Lee Talley (CoPIs: )  
Subject: Faculty Research Grant for "Operation Pied Piper": WWII Evacuation of British Children and the Children's Literature it Inspired. Dates: 6/1/2010 to 8/1/2010. Grant Award: \$1,500 (top amount)  
Sponsor: National Endowment for the Humanities Program: Summer Stipend PI: Lee Talley (CoPIs:)  
Subject: NEH Summer Stipend for "Operation Pied Piper": The WWII Evacuation of British Children and the Children's Literature it Inspired Dates:6/1/2010 to 8/1/2010. Grant Award: \$6,000

*Internal Grants*

**Tanya Clark**

- Junior Faculty Travel Grant, Summer 2010, Rowan University Faculty Center, \$1,500

**Lee Talley**

- 2010 CLAS Summer Grant recipient

**Scholarly Activities**

*Publications*

**Lee Talley**

- Lee, T. "Maria Tatar," in *The Routledge Companion to Children's Literature*. Ed. David Rudd. London: Routledge, 2010. 247-48. Invited Contributor/Peer-Reviewed Book.

**Timothy Viator**

- With Martha Graham Viator. "Shakespeare 1.5: Using Essential Questions in the Content Area." Hawaii International Conference Proceedings, 2010.
- "Which American Dream? A Constructive Approach to Teaching American Drama." *Teaching American Literature*, 2010.
- With Martha Graham Viator. "Letters from Thomas Coutts to William 'Gentleman' Smith." *Theatre Notebook*, 2009.

**William Friend**

- "Requiem for Marilyn Chambers," "Requiem for Michael Crichton" (poems). *Court Green*. 2010. 133-134.

*Conference Activity*

**William Friend**

- Marinetti and Madison Avenue, Marinetti and Madison Avenue Modernist Studies Association, Modernist, Montreal, QC, November 7, 2009.
- Chair and Organizer, "Against Surrealism" Studies Association panel, Against Surrealism, Modernist, Montreal, QC, November 7, 2009.

**Tanya Clark**

- “Strike a Pose: Image and Collective Identity in the *Colored American Magazine*,” Amer. Studies Association, Washington, D.C., November 6, 2009.
- “Pauline Hopkins: Visual Artist? Sketches, Photographs and Advertisements in the ‘Colored American Magazine,’” American Lit. Assoc., San Francisco, CA, May 29, 2010.

**Glenn Odom**

- “Critique of Yoruba Judgment: Non-Western Performance Aesthetics and the Development of the Nigerian Stage.” American Society for Theatre Research & American Comparative Literature Association, Puerto Rico, November 13, 2009. Twenty minute talks on research (currently submitted to publishers).
- “Critique of Yoruba Judgment: Non-Western Performance Aesthetics and the Development of the Nigerian Stage.” American Society for Theatre Research & American Comparative Literature Association, New Orleans, LA, April 2, 2010. Twenty minute talks on research (currently submitted to publishers).

*Other Scholarly Activity*

**Nathan Carb**

- Ongoing support for current chair- Departmental Advisory Committee, 2009-2010.

**Tanya Clark**

- Panel participant on a panel of former Career Enhancement Fellows at the Career Enhancement Fellowship Fall Retreat, discussed my career to date, the overall impact of the Woodrow Wilson fellowship and the role of me. Princeton, NJ, 2009-2010.
- Modern Language Association (MLA), Northeast Chapter (NEMLA). Currently planning Hopkins panel for their 2011 convention.
- College Language Association (CLA), attend conferences and presented.
- American Literature Association (ALA).
- Delta Sigma Theta, public service sorority.
- Founding member of The Pauline Elizabeth Hopkins Literary Society, By-law Committee (will seek elective office at ALA conference.)

**Joseph Coulombe**

- Reviewed submissions for journal *College Literature*, 2009-2010
- Promotion Committee, 2009-2010

**William Freind**

- Served on two search committees for tenure-track faculty members 2009-2010
- Chair, Committee on Committees, 2008-2010
- Senate Exec member 2008-2010
- Director, Norton Poetry Series
- Chair, Finance Committee, English Department 2009-2010

**Catherine Parrish**

- Attended ADE (Association of Departments of English) conference for Chairs, June 2009.
- Served on two search committees for tenure-track faculty members 2009-2010.
- Invited member of Strategic Planning Executive Committee for CLAS, 2009-2010, and liaison to Localization/Globalization subcommittee.
- Chair of Chairs’ Council, 2008-2010; served on Senate Executive Committee ex officio.

**Notable Student Achievements**

- Chanelle Wilson, 2010 graduate of the English department, won a Fulbright scholarship to study in South Africa.

# *Foreign Languages & Literatures*

## **Degree Programs**

- B.A. in Spanish

## **Minors/Concentrations**

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

## **Students**

- Undergraduate majors: 92
- Number of 2009-10 graduating students: 17

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Launch newly-approved Business Spanish Minor
- Improve Strategic Enrollment Management in Dept. Courses
- Create Strategic Alliances with Key Academic Programs in Order to Integrate the Learning of a Foreign Language

### **2010-2014**

- Establish contract with Cooper Medical School to flesh out a series of courses (Spanish for Medical Personnel) with contact Vijay Rajput/Dean Katz.
- Increase involvement with Camden Campus
- Pursue viability (market analysis) of online Spanish Graduate Program

## **Faculty**

- Laurie Kaplis-Hohwald, Ph.D., Associate Professor; Golden Age Literature, Medieval and Renaissance Studies, Translation Studies
- Roberto Madero, Ph. D., Associate Professor; History of the South American Book, Latin American Political History, Literature and Society in Latin America
- Marilyn S. Manley, Ph.D., Associate Professor; Hispanic, Quechua and Anthropological Linguistics
- Anthony J. Robb, Ph.D., Associate Professor; 19-20<sup>th</sup> Century Peninsular Literature, 20<sup>th</sup> Century Spanish American Literature, Central American Literature, Hispanic Film
- Sonia B. Spencer, Ph.D., Associate Professor; Medieval French Literature, 20<sup>th</sup> century French Theatre, Francophone Film

## **Faculty Awards**

Roberto Madero

- *Faculty Center Wall of Fame*

## **Scholarly Activities**

### *Publications*

**Anthony Robb**

- *Eunice Odio y su sensual mundo poetico*. Lewiston, NY, Queenston, Ontario, Lampeter, Wales: The Edwin Mellen Press. 2009.
- *Irene Marquina: el destino de un personaje*. La mujer en la literature hispanica 8: 271-279, 2009.

**Laurie Hohwald**

- De la carcel inquisitorial a la sinagoga de Amsterdam: El romance a Lope de Vera, ed. & notes by Kenneth Brown. Caliope, 2009.

**Roberto Madero**

- Sarmiento del nombre a la edicion, 2009.

*Conference Activity*

**Anthony Robb**

- Robb, El victimario femenino en siete sonetos Universidad Nacional neogriegos: subversiones en el modernismo casaliano, XIV Congreso de la FIEALC: America Latina y el Mediterraneo: ideas en contacto: Kapodistriaca University of Athens, Athens Greece, October 14-16, 2009.
- Robb, panel moderater, "Tradicion y renovacion en el ambito humanistico, lengua y cultura, arte y literature."

**Marilyn Manley**

- Manley, Expressing attitudes and perspectives: Cuzco Quechua epistemic markers in context, Society for the Study of the Indigenous Languages of the Americas (SSILA) and the Linguistic Society of America (LSA) Expressing Attitudes and Perspectives: Cuzco Quechua Epistemic

**Sonia Spencer**

- Northeast Conference on the Teaching of Foreign Languages, New York, NY, March 25-27, 2010.

*Other Scholarly Activities*

**Marilyn Manley**

- Manley, Faculty Center Student Ratings Learning Community: continued development of the Rowan University Student Course Evaluation in Banner, Affirming our Values: Success in our Changing Environment, Retreat for Faculty/Professional Staff/Librarians, Rowan University, Glassboro, NJ, May 18, 2010.
- Manley, Q & A Session: The Student Evaluation in Banner, Faculty Center for Excellence in Teaching and Learning, Rowan University, Glassboro, NJ, April 16, 2010.
- Manley, An Introduction to the Iroquois, Dr. Maria Rosado's undergraduate class "Indians of North America," Rowan University, Glassboro, NJ, November 16, 2009.
- Manley, An Introduction to Quechua and the Incas, Dr. Maria Rosado's undergraduate class "Natives of South America," Rowan University, Glassboro, NJ November 16, 2009.
- Manley, Represented the AFT at the AFT information table, new faculty orientation information fair, Faculty Center for Excellence in Teaching and Learning, Rowan University, Glassboro, NJ, August 26, 2009.
- Manley, Coordinated and led "Coordination Workshop IV, Spanish 1, 2 and 3," Department of Foreign Languages and Literatures, Rowan University, Glassboro, NJ, August 17, 2009.
- Manly, participation in "Creating Lessons with Soloist Software and Easy to Find Resources," Webinar presented by Sandy Hayward, Independent Consultant and Trainer in Language Learning Technology, SANS, Software and Network Solutions Inc., March 16, 2010.
- Manley, participation in "Flip Video Cameras in the Classroom," Presented by Dr. William Wolff of the Writing Arts Department, Co-sponsored by the Faculty Center for Excellence in Teaching and Learning and Instructional Technology Services, Rowan University, Glassboro, NJ, March 10, 2010.
- Manley, participation in "AFT Local 2372 Grievance Workshop," American Federation of Teachers

Union, Rowan University, Glassboro, NJ, October, 9, 2009.

- Manley, participation in discussion panel, “Building Bridges,” New Faculty Orientation Information, Faculty Center for Excellence in Teaching and Learning, Rowan University, Glassboro, NJ, August, 26, 2009.
- Manley, Reviewed two journal submissions to Foreign Language Annals, the official journal of the American Council on the Teaching of Foreign Languages (ACTFL), American Council on the Teaching of Foreign Languages (ACTFL), Summer and Fall 2009.
- Manley, Authored a curriculum proposal to revise the Applied Spanish Language Program Sequence A for Rowan University’s Liberal Studies: Humanities/Social Science Major of the College of Graduate and Continuing Education (CGCE), Department of Foreign Languages and Literatures, Rowan University, Glassboro, NJ, Spring 2010.

#### **Anthony Robb**

- Followed-up lead regarding Cherry Hill High School Dual Credit Endeavor with foreign languages
- Collaborator in “Undergraduate International Studies and Foreign Language Program” grant, <http://www.ed.gov./programs/iegpsugisf/index.html>, Department of Education, Organizer, Dr. Corrine Blake, History (Asian Studies) with collaboration from RU World Education Council, Dept. of Foreign Languages and Literatures, Rowan University, Glassboro, NJ, Spring and Fall 2010.
- Translated two News Releases (International Music Programs) for ByGeorge Communications, Haddonfield, NJ, 3/31/2010.
- Wrote 7 curriculum proposals which were unanimously approved for a new Minor in Business Spanish

#### **Sonia Spencer**

- Fifth successful grant application for a Chinese Fulbright Foreign Language Teaching Assistant for 2010-2011, Rowan University, Glassboro, NJ.
- Supervised and hosted Huihua Lin, Rowan’s fourth Chinese Fulbright Foreign Language Teaching Assistant AY 2009-2010, Rowan University, Glassboro, NJ.
- Participated in the Faculty Center’s Retreat: “Affirming our Values: Success in our Changing Environment,” Faculty Center for Excellence in Teaching and Learning, Rowan University, Glassboro, NJ, May 18, 2010.
- Scholarship Committee Chair, Board of Directors of the non-profit Vineland Regional Dance Company, an honor company and accredited member of Regional Dance America/Northeast, Vineland, NJ.
- New Faculty Orientation Program: Progressive Dinner and AFT Luncheon, Faculty Center for Excellence in Teaching and Learning, Rowan University, Glassboro, NJ, August 25-27, 2009.
- Department, Department Senator 2009-2010
- Department, French and German Coordinator 2009-2010
- University Ujima Female Component of the Dr. Harley Flack Student Mentoring Program 2009-2010

#### **Accomplishments**

- Fundraiser Concert to benefit “The Josefina and Enrique Pujals Study Abroad in Latin America Scholarship Fund,” Oct. 23, 2009
- Guest Lecturer: Dr. Salvatore Poeta (Villanova University)

#### **Notable Student Achievements**

- Daniel Lane was accepted with full scholarship to Villanova University’s Masters in Spanish program.
- Karela Ruiz received the Foreign Languages & Literatures department award.
- Ashley Scott received The Erika Freiburger Scholarship.

# *Geography & Anthropology*

## **Degree Programs**

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

## **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: 81
- Number of 2009-10 graduating students: 15

## **Strategic Goals for 2009-2014**

### **2009-2010**

- New B.S. in Planning
- Reestablish the Geographic Alliance for teacher training in geography education
- Bring to Rowan the ‘Geography Bee’
- Streamline the Geography curriculum

### **2010-2014**

- New B.S. in GIS
- Offer Open House/Informational Sessions on Geography programs
- Improve/restructure department web page
- Change department informational flyers

## **Faculty**

- Diane Markowitz, Ph.D., Associate Professor; Forensic Anthropology, Growth and Development, Dental Anthropology, Medical Anthropology, Human Evolution, Human Variation
- Maria A. Rosado, Ph.D., Full Professor; Forensic Anthropology, bioarchaeology, New World archaeology, human evolution, paleopathology, native peoples of the Americas
- David Kasserian, Ph.D., Associate Professor; Historical Anthropology, Cultural Anthropology
- John Hasse, Ph.D., Associate Professor; GIS, urban planning, geospatial research, land use and resource development, planning and public policy, land use geography, environmental planning and spatial analysis

- John Reiser, M.S., Professional Staff; GIS, geospatial research, New Jersey State Atlas, urban planning
- Denyse Lemaire, Ph.D., Full Professor; geomorphology; geology of glaciers, physical geography, remote sensing; geography of Europe, National parks, and Australia
- Richard Scott, Ph.D., Full Professor; GIS, computer cartography, geography of US and Canada, urban geography
- Katrinka Somdahl-Sands, Ph.D., Assistant Professor; political geography, cultural geography, Middle East, Europe, feminist geography, social theory
- Zachary Moore, Ph.D., Assistant Professor; cultural geography, New Jersey Alliance for Geographic Education, geography education, evolution of Geography in the United States' Public School Curriculum

## Grants

### *Continuing External Grants*

#### **Maria A. Rosado**

- NSF, Fall 2009, Amount: \$227,422; Grant Title: Acquisition of an X-Ray Microfluorescence Spectrometer for use in Undergraduate Materials and Forensic Research and Education, PI: Jeff Hettinger, COPI: KV Ramanujachary, Sam Lofland, Maria Rosado. and Paris VonLockette
- \$60,000/year National Guard Internship Program

### *Internal Grants*

- \$1,500 RowanCard Web Mapping
- \$10,000 Facilities MOA

## Scholarly Activities

### *Conference Activity*

#### **Diane Markowitz and Sheila Consminsky**

- *Child Obesity, Cultural Models of Diabetes, Dietary Change and Risk in Children of Hispanic Migrant Workers in Southern New Jersey*
- Conference Abstract Publication: *The Ends of Anthropology* (the theme of the meeting), American Anthropological Association, 2009 Annual Meeting Abstracts. Our abstract was on p. 214. Date presented: 12/04/09.
- Conference name: Annual National Meeting of the American Anthropological Association, Philadelphia, PA. Dec. 2-6, 2009. Session: Critical Anthropological Perspectives on Obesity. Sponsoring organization: Society for the Anthropology of Food and Nutrition.

#### **Maria Rosado and Paul D'Ariano**

- *Human and Animal Trabecular Bone: Microscopic Comparative Analysis for the Purposes of Bioarchaeological and forensic Identification*
- Conference Abstract Publication: Saint Joseph's University 21st Annual Sigma Xi Research Symposium
- Conference name: Saint Joseph's University 21st Annual Sigma Xi Research Symposium, Philadelphia, PA, April 23, 2010

#### **Maria Rosado**

- Presented the paper: *Human and Animal Trabecular Bone: Microscopic Comparative Analysis for the Purposes of Bioarchaeological and forensic Identification* at
- Rowan University's 13th Annual STEM Symposium, April 23, 2010,
- Saint Joseph's University 21st Annual Sigma Xi Research Symposium, Philadelphia, April 23, 2010  
Co-presenters: Rowan student Paul D'Ariano, Refereed poster session

**Diane Markowitz**

- Presented the paper: *Child Obesity, Cultural Models of Diabetes, Dietary Change and Risk in Children of Hispanic Migrant Workers in Southern New Jersey*. Abstract published in: *The Ends of Anthropology*, American Anthropological Association, 2009 Annual Meeting Abstracts, p. 214. Date presented: 12/04/09. Annual National Meeting of the American Anthropological Association, Philadelphia, PA. Dec. 2-6, 2009. Session: Critical Anthropological Perspectives on Obesity. Sponsoring organization: Society for the Anthropology of Food and Nutrition, Co-presenters: Sheila Consminsky

**Katrinka Somdahl-Sands**

- Presented the paper: "Music with a Message: U2's Rock Concerts as Spectacular Spaces of Politics," at Association of American Geographers Annual Conference. Washington, D.C. April 2010. Co-presented with NUIG undergraduate Veronica Morley.
- Presented the paper: "Witnessing Dancing in the Streets" at Mid-Atlantic Regional Meeting of the Association of American Geographers, New Paltz, New York, November 2009.

*Other Scholarly Activity*

**John Reiser**

- APA-NJ Annual Conference, "Using Internet-enabled GIS Services," 11/05/09, Workshop Leader
- New Jersey DEP Mapping Contest, "Cartography: Needed More Now Than Ever," 4/29/10, Contest Speaker
- New Jersey Geospatial Forum, "Contributing to OpenStreetMap using ArcGIS," 6/11/10, Lightning Talk
- ESRI Developers Meetup New York, "Contributing to OpenStreetMap using ArcGIS," 6/24/10, Lightning Talk
- Reviewed ESRI Book, "Getting to Know ArcGIS ModelBuilder," 6/11/10
- The RowanCard maps online :  
<http://www.rowan.edu/adminfinance/bursar/rowancard/where/onCampus.html>

**Accomplishments**

- The 2010 New Jersey finals for the National Geographic Bee were hosted by the University for the first time on April 9, 2010 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.

# History

## Degree Programs

### *Undergraduate*

- BA in History
- Specializations:
  - European/Ancient History
  - Global History
  - U.S. History

### *Graduate*

- Certificate of Graduate Study in History
- Certificate of Graduate Study in World History

## Minors/Concentrations

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

## Students

- Undergraduate Majors: 515 (56 LS:HSS sequence)
- Graduate Majors: 120

## Strategic Goals for 2009-2014

### 2009-2010

- Proposals for new graduate degree programs

### 2010-2014

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

## Faculty

- David Applebaum, PhD, Full Professor; Modern Europe, France, history of gender and sexuality, film
- Corinne Blake, PhD, Associate Professor; Middle East, Islamic Civilization
- Emily Blanck, PhD, Assistant Professor; early America, legal history, intellectual history
- William Carrigan, PhD, Full Professor; 19<sup>th</sup>-century US
- Kelly Duke Bryant, PhD, Assistant Professor; Africa
- James Heinzen, PhD, Associate Professor; Modern Europe, Russia
- Melissa Klapper, PhD, Associate Professor; US history, women's history
- Lee Kress, PhD, Associate Professor; 20<sup>th</sup>-century US, military history, Latin America
- Janet Lindman, PhD, Full Professor; early America, women's history, Native American history
- Scott Morschauer, PhD, Associate Professor; ancient Mediterranean, medieval Europe
- Chanelle Rose, PhD, Assistant Professor; African-American history
- Q.Edward Wang, PhD, Full Professor; East Asia, historiography
- Joy Wiltenburg, PhD, Full Professor; early modern Europe, women's history

## Faculty Awards

### Corrine Blake

- 2010 Faculty Center Wall of Fame, Advising

### Emily Blanck

- 2010 Faculty Center Wall of Fame

### Edward Wang

- Fellow, Institute for Advanced Study, Princeton, Spring 2010
- Changjiang Visiting Professor, Peking University, appointment renewed for another three years

## Grants

### Internal Grants

#### Emily Blanck

- Frances R. Lax Faculty Development Grant

#### Janet Moore Lindman

- Non-Salaried Financial Grant, Rowan University, 06/04-12/10.

#### Chanelle Rose

- Frances R. Lax Faculty Development Grant

## Scholarly Activities

### Publications

#### Books

#### Q. Edward Wang

- *A Global History of Modern Historiography*, co-authored with George Iggers (Longman 2008) has now been translated into Greek and Chinese (Korean, Russian and Spanish translations also in preparation).

#### Chapters in Books

#### David Applebaum

- Chapter One, *Les Mauvais Jours finiront* (Paris: La Fabrique, 2010).

#### William D. Carrigan

- William Carrigan and Clive Webb, "Repression and Resistance: The Lynching of Persons of Mexican Origin in the United States, 1848-1928" in eds. José A. Cobas, Jorge Duany, and Joe R. Feagin, *How the U.S. Racializes Latinos: At Home and Abroad* (Paradigm Publishers, 2009), pp. 68-86.

#### James Heinzen

- "Corruption among Officials and Anticorruption Drives in the USSR, 1945-1964" in Don K. Rowney and Eugene Huskey, eds, *Russian Bureaucracy and the State: Officialdom from Alexander III to Vladimir Putin* (Macmillan, 2009), 169-188.

#### Melissa Klapper

- Klapper, Melissa R., "American Jewish Girls and the Politics of Identity, 1860-1920," *Girlhood: A Global History* (Rutgers University Press, 2010).

#### Joy Wiltenburg

- "Crime and Christianity in Early Sensationalism," in Marjorie Plummer and Robin Barnes, eds., *Ideas and Cultural Margins in Early Modern Germany: Essays in Honor of H.C. Erik Midelfort* (Ashgate, 2009), 131-145.
- "Formen des Sensationalismus in frühneuzeitlichen Kriminalberichten [Forms of Sensationalism in Early Modern Crime Accounts]," in Rebekka Habermas and Gerd Schwerhoff, eds., *Verbrechen im Blick: Perspektiven der neuzeitlichen Kriminalitätsgeschichte* [Crime in View: Perspectives on the Modern History of Crime] (Frankfurt: Campus Verlag, 2009), 323-338.

*Articles in Peer-Reviewed Journals*

**Q. Edward Wang**

- “‘Rise of the Great Powers’=Rise of China? Challenges of the Advancement of Global History in the People’s Republic of China,” *Journal of Contemporary China*, 19:64 (March 2010), 273-289

*Other Publications*

**William D. Carrigan**

- Review of Robert J. Torrez, *Myth of the Hanging Tree: Stories of Crime and Punishment in Territorial New Mexico* (Western Historical Quarterly, Summer 2009)
- Review of Raul A. Ramos, *Beyond the Alamo: Forging Mexican Ethnicity in San Antonio, 1821-1861* (*American Nineteenth Century History*, forthcoming).

**Melissa Klapper**

- “Carole S. Kessner, *Marie Syrkin: Values Beyond the Self*,” *Nashim: A Journal of Jewish Women’s Studies and Gender Issues* 18 (Fall 2009): 254-255. Book Review.

**Janet Moore Lindman**

- *Women, Gender, and Religion in the Early Americas*, *History Compass* 8/2 (2010):197-211. Online journal.
- “Gendering Early America,” review essay on Juliana Barr’s, *Peace Came in the Form of a Woman: Indians and Spaniards in the Texas Borderlands*; Emily Clark’s, *Masterless Mistresses: The New Orleans Ursulines and the Development of a New World Society, 1727-1834*; and Aaron S. Fogelman’s, *Jesus is Female: Moravians and Radical Religion in Early America* for *Gender & History* 21.2 (August 2009). Book Review

**Scott Morschauer**

- “A ‘Diagnostic’ Note on the ‘Great Wrath upon Israel’ in 2 Kings 3:27,” *Journal of Biblical Literature* 129.2 (2010), pp. 299-302.

**Q. Edward Wang**

- “Dual Discovery, Dual Dialogue: Reflections on the Global Modernization of Historical Writing,” *Historically Speaking: The Bulletin of the Historical Society*, X:4 (Sept. 2009), 27-28 .

*Conference Activity*

*Papers Presented*

**David Applebaum**

- *Judges and Gender: Making Movies for the Masses*” Law and Society Association, Chicago, Illinois, 5/29/2010 (abstract published).

**Emily Blanck**

- *Citizenship and Slavery: Moving beyond Persons and Property*, San Francisco State Rights Conference, San Francisco State University, 09/17/09.

**Kelly Duke Bryant**

- *The Young Senegalese: Colonial Schools and the Reconfiguration of Politics and Power*, (African Studies Association Annual Meeting, New Orleans, November-2009), 11/21/09.

**William D. Carrigan**

- *Mexican Perspectives on Mob Violence in the United States* (Toward an International History of Lynching, Heidelberg, Germany, June 2010), 06/04/10.

**James Heinzan**

- “*Corruption and Institutional Culture in the Soviet Union, 1941-1960*,” (American Association for the Advancement of Slavic Studies, Boston, November 2009), 11/16/2009.

**Melissa Klapper**

- *Teaching About Women and Jewish History* (Association for Jewish Studies Annual Meeting, Los Angeles, December 2009), 12/21/09.

- *Respectable Radicals: The National Council of Jewish Women and Activist Philanthropy Before World War II* (Jewish Women and Philanthropy Conference, New Orleans, July 2009), 7/16/09.

**Janet Moore Lindman**

- “*Bodies of Belief: Baptist Community in Early America*,” (Annual Meeting of the Society for Historians of the Early Republic, Springfield, Illinois), 07/16-19/09.

**Q. Edward Wang**

- "Globalization and Taiwan: Seeking an Alternative to Nationalist Aspirations," conference on “Global History, Globally, II,” Institute for Advanced Study, University of Freiburg, 5/2010.

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

**Emily Blanck**

- Oh Freedom: Slavery in New Jersey, Kean University, 03/25/10.

**William D. Carrigan**

- Annual Meeting of the Western Historical Association, Denver, Colorado, 10/09/09 (comments read by panel chairperson).
- Annual Meeting of the Organization of American Historians, Washington, DC, 04/07/10.
- Annual Meeting of the Organization of American Historians, Washington, DC, 04/08/10.

**James Heinzen**

- “*Russian Revolutionary Culture before and after 1917*” (American Association for the Advancement of Slavic Studies, Boston, November 2009), 11/16/2009, Conference Panel Chair.

**Melissa Klapper**

- *Gender, Race, and Anti-Communism* (Scholars Conference on American Jewish History, New York, June 2010), 6/16/10, Conference Panel Chair.
- *Perspectives on Youth and Activism: Authority, Agency, and Activism in 1960s and 1970s America* (Society for the History of Childhood and Youth Biennial Conference, Berkeley, July 2009), 7/10/09, Conference Panel Chair.

**Lee Bruce Kress**

- Middle Atlantic Conference on Latin American History, Johns Hopkins University, Baltimore, MD, 03/27/2010 Discussant: “Continuing Struggles for Independence and Justice: Latin-United States Thinking in Dialogue.”

*Other Scholarly Activity*

**Emily Blanck**

- Attendance at Organization of American Historians, Washington, DC, 04/09/10.

**Kelly Duke Bryant**

- Paper presented at the Johns Hopkins University Africa Seminar, “The Politics of Race in the Schools of the Four Communes,” 03/05/10.
- Paper presented at the Rowan University Department of History’s Works-in-Progress Seminar, “The Politics of Education in Senegal, 1885 to 1914,” 02/24/10.

**William D. Carrigan**

- Assistant Editor, *American Nineteenth Century History* (Taylor and Francis), 07/01/09-06/30/10.
- Anonymous Book Manuscript Evaluator, University of Illinois Press, 01/29/10-05/03/10.
- External Dissertation Committee Member, Helen McLure, Southern Methodist University, 01/01/07-11/20/09
- Tenure File Review, Amy Louise Wood, Illinois State University, 07/02/09-03/01/10.
- Tenure File Review, Walter David Greason, Ursinus College, 06/01/09-09/17/09.

- Editor for the late Gary Hunter's *Neighborhoods of Color* (contract in negotiation with Camino Books).

**Lee Bruce Kress**

- Consultant, Battleship New Jersey (BB-62), Camden, New Jersey, 2009-2010.
- Attendance at conferences: National Seminar, Western Front Association, Kansas City, MO, 09/13/2009; Western Front Association, East Coast Branch, Ft. Meade, MD 06/05/2010; Society for Military History, Virginia Military Institute, Lexington, VA, 05/22-23/2010.

**Janet Moore Lindman**

- "*Mingled Souls*": *The History of Friendship in Early America*, (Department of History, Rutgers University, Camden, New Jersey), 02/19/10, paper presented.
- *From Metacom to Tecumseh: Alliances, Conflicts, and Resistance in Native North America*, NEH Summer Institute for College and University Teachers, Newberry Library, 06/14-07/09/10.

**Chanelle Rose**

- Paper presented at the Rowan University Department of History's Works-in-Progress Seminar, "Tourism and the Hispanicization of Race in Jim Crow Miami, 1940-1960," 3/23/10.

# *Law & Justice Studies*

## **Degree Programs**

### *Undergraduate*

- B.A. in Law and Justice Studies

### *Graduate*

- M.A. in Criminal Justice

## **Minors/Concentrations**

- Minor in Law and Justice Studies

## **Students**

- Undergraduates Majors: 529 (Fall 2009); 568 (Spring 2010)
- Graduates Majors: 12
- Number of 2009-10 graduating students: 153

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Enhance our Camden program
- Recruit additional graduate students to our master's program

### **2010-2014**

- Add new tenure track faculty
- Recruit additional graduate students to our master's program
- Seek professional certification

## **Faculty**

- Nadine M. Connell, Ph.D., Assistant Professor; Drugs, Juvenile Justice, Evaluation Research
- Joseph D. Davey, J.D., Ph.D., Full Professor; Law
- Wanda Foglia, J.D., Ph.D., Full Professor; Theories of Crime, Death Penalty
- Allan Y. Jiao, Ph.D., Full Professor; Policing, Research Methods
- Donald T. Robinson, M.Ed., Instructor; Policing, Ethics
- Christine A. Saum, Ph.D., Assistant Professor; Theories of Crime, Corrections, Public Policy
- Tony R. Smith, Ph.D., Assistant Professor; Situational Crime Prevention, Research Methods
- Michael S. Vigorita, Ph.D., Associate Professor; Corrections, Maritime Crime
- Michael S. Weiss, J.D., Ph.D., Associate Professor; Law, Criminal Courts, Public Defenders
- Stanley B. Yeldell, J.D., Associate Professor; Law, Victimology

## **Scholarly Activities**

### *Publications*

#### *Books*

#### **Nadine M. Connell**

- Connell, Nadine M. *Death by Jury: Group Dynamics and Capital Sentencing*. New York: LFB Scholarly Press, 2009.

*Book Chapters*

**Wanda Foglia**

- Foglia, Wanda. "They Know Not What They Do: Unguided and Misguided Discretion in Pennsylvania Capital Cases." Reprinted in *The 27<sup>th</sup> Annual Criminal Law Symposium*, edited by the Pennsylvania Bar Institute. Mechanicsburg, PA: Pennsylvania Bar Institute, 2010.

**Allan Y. Jiao**

- Jiao, Allan Y. "Police Policy and Practice in the United States." In *Chinese Public Administration Symposium*. Guangzhou: Sun-yet San University Press, 2010.

*Periodicals*

**Nadine M. Connell**

- Gottfredson, Denise C., Cross, Amanda Brown, Wilson, Denise, Connell, Nadine M., and Rorie, Melissa. "Effects of Participation in After-School Programs for Middle School Students: A Randomized Trial." *Journal of Research on Educational Effectiveness*. In Press.
- Cross, Amanda Brown, Gottfredson, Denise C., Dugas, Denise, Rorie, Melissa, and Connell, Nadine M. "Effects of variability in implementation quality on student experiences After-School." *American Journal of Community Psychology*. 37(0), no 2-3 (2010): 370-380.
- Cross, Amanda Brown, Gottfredson, Denise C., Wilson, Denise Marie, Rorie, Melissa and Connell, Nadine M. "The impact of after-school programs on the routine activities of middle school students: Results from a randomized, controlled trial." *Criminology and Public Policy*. 8, no. 2 (2009): 391:412.

**Wanda Foglia**

- Bowers, William, Wanda Foglia, Susan Ehrhard, and Christopher Kelly. "Jurors Failure to Understand or Comport with Constitutional Standards in Capital Sentencing: Strength of the Evidence." *The Criminal Law Bulletin* 46, no. 6 (2010): forthcoming.
- Foglia, Wanda. "Roger Hood and Carolyn Hoyle, The Death Penalty: A Worldwide Perspective (4<sup>th</sup> Ed.) Reviewed by Wanda D. Foglia." *International Criminal Justice Review*, 20, no.2 (2010): 214-215.

**Allan Y. Jiao**

- Jiao, Allan Y. "Criminal Justice: A Diverse and Multi-disciplinary Field of Study." *The International Journal of Interdisciplinary Social Sciences* 4, No. 5 (2009): 215-224.
- Jiao, Allan Y. "Controlling Police Corruption and Misconduct: A Comparative Examination between Hong Kong and New York." *Asian Journal of Criminology* (October 9, 2009): online version by Springer Science + Business Media B.V.
- Jiao, Allan Y. "Controlling Police Corruption and Misconduct: A Comparative Examination between Hong Kong and New York." *Asian Journal of Criminology* 5, No. 1 (2010):27-44.

*Technical Reports*

**Nadine M. Connell**

- Connell, Nadine M., Negro, Pamela, Pearce, Allison N., Reilly, Dawn M., and Fera, Beth A. "Social Norms Year 3: 2008-2009." Technical report for the New Jersey Department of Education, October 2009.

*Conference Activity*

**Nadine M. Connell**

- Connell, Nadine M. "Going Along or Getting Along: Understanding Disagreement on Capital Juries." Paper presented at the annual meeting for the Academy of Criminal Justice Sciences, San Diego, California, February 23-27, 2010.

- Connell, Nadine M. "ATOD and Social Norms: A Preliminary Evaluation." Paper presented at the annual meeting for the American Society of Criminology, Philadelphia, Pennsylvania, November 4-9, 2009.

**Wanda Foglia**

- Bowers, William, Wanda Foglia, Susan Ehrhard, and Christopher Kelly. "Prevalence and Implications of Constitutional Problems with Capital Jury Decision-Making." Paper presented at the 61<sup>st</sup> annual meeting of the American Society of Criminology, Philadelphia, PA, November 3-7, 2010.

**Allan Y. Jiao**

- Jiao, Allan. "Police Policy and Practice in the United States." Paper presented at the First Chinese Symposium on Public Administration. Guangzhou, China, May 28-30, 2010.

**Michael Vigorita**

- Vigorita, Michael. "Evaluating New Jersey's Mandatory Safe Boating Certificate Legislation." Paper presented at the 34th Annual meeting of the Northeastern Academy of Criminal Justice Sciences. Bristol, Rhode Island. June 9-12, 2010. Title and authors published in *Criminology and Criminal Justice Policy, 2010 Program*. Columbus, OH: The American Society of Criminology, 2009 and abstract published on line:  
[http://convention2.allacademic.com/one/asc/asc09/index.php?click\\_key=1&cmd=Multi+Search+Search+Load+Publication&publication\\_id=372827&PHPSESSID=6785c1f08a2f20f5a7465fa9f6e67859](http://convention2.allacademic.com/one/asc/asc09/index.php?click_key=1&cmd=Multi+Search+Search+Load+Publication&publication_id=372827&PHPSESSID=6785c1f08a2f20f5a7465fa9f6e67859)

*Other Scholarly Activity*

**Michael Vigorita**

- Testified about research on capital jury decision making as an expert witness in the following death penalty cases:  
*State of Indiana v. Ronald Davis, 06/11/10*  
*State of Texas v. John Thuesen, 04/01/10*  
*State of Oregon v. Randy Lee Guzek, 03/08/10*  
*State of Oregon v. Joshua Abraham Turnidge, 02/22/10*  
*State of Oregon v. Imani Charles Williams, 08/12/09*
- Provided Training based on research on Problems with Capital Jury Decision-Making for Louisiana Capital Assistance Center, 02/25/10

**Accomplishments**

- Law School Fair: (November 11, 2009). Dr. Michael Weiss (Pre-Law Advisor at Rowan University and advisor to the student Pre-Law Society) organized Rowan's fifth annual Law School Fair, at which 22 law schools sent recruiters to our campus. Approximately 150 students were in attendance.
- Criminal justice Career Fair at Camden (March 3, 2010): Dr. Stanley Yeldell organized the first ever criminal justice career fair at Rowan's Camden campus, featuring recruiters from local, state, federal and private agencies.
- Criminal Justice Career Fair on Main Campus (April 13): Dr. Stanley Yeldell organized the annual criminal justice career fair at Rowan's main campus, featuring recruiters from local, state, federal and private agencies.
- NJACJE Meeting at Rowan (April 9, 2010): Visiting Professor Dean Leech (FTT) organized the April meeting of the New Jersey Association of Criminal Justice Educators, hosted by Rowan at the Center for innovation and Entrepreneurship. In attendance were representatives of approximately 15 colleges and universities, including seven of the nine in the southern New Jersey region.
- Law and Justice Honors Society Reception (April 18, 2010). Dr. Nadine Connell and Dr. Natalie Schell-

Busey, advisors to Alpha Phi Sigma, Rowan's chapter of the national criminal justice honor society, organized the annual Honors Society reception. Sixteen new members were inducted, including 3 graduate students, with approximately 50 friends and family members in attendance.

#### **Notable Student Achievements**

- Vaughn Crichlow received his M.A. in Criminal justice and received full funding to pursue doctoral studies in criminal justice at the University of Delaware and Michigan State University, two of the top criminal Justice Ph.D. programs in the nation. He will be attending Michigan State in the Fall.
- Adam Fera received his M.A. in Criminal Justice and received full funding to pursue doctoral studies in Criminal Justice at Rutgers University, one of the top Ph.D. programs in the nation. He will be attending Rutgers in the Fall.
- Dr. Tony Smith published a book chapter with graduate student Vaughn Crichlow and undergraduate student Steven DeStefano:  
Tony R. Smith, Vaughn Crichlow, & Steven DeStefano (forthcoming). "Norway." In Marcelo Aebi and Veronique Jaquier (Eds.), Vol. 4. Crime and Punishment around the World: Europe. General Editor: Graeme R. Newman. New York and London: ABC-CLIO.

# Mathematics

## 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 in Middle School Mathematics
- Certificate of Graduate Study in Secondary Education

## Minors/Concentrations

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

## Students

- Undergraduate Majors: 364
- Graduate Majors: 55
- Number of 2009-10 graduating students: 43

## Strategic Goals for 2009-2014

### 2009-2010

- Increase undergraduate student research
- Increase student-faculty interaction
- Increase level of faculty scholarship

### 2010-2014

- Increase undergraduate student research
- Increase student success rate
- Improve Math basic skills

## Faculty

- Abera Abay, Ph.D., Associate Professor; Probability
- Khaled Amer, Ph.D., Assistant Professor; Mathematical Logic
- Janet Caldwell, Ph.D., Full Professor; Math Education
- Ronald Czocho, Ph.D., Full Professor; Biomathematics
- Tonya Davenport, Ed.D., Instructor (three-quarter time); Math Education
- Abdul Hassen, Ph.D., Professor; Number Theory
- Karen Heinz, Ph.D., Associate Professor; Math Education
- Marlena Herman, Ph.D., Associate Professor; Math Education
- Larry Howe, M.A., Assistant Professor; Series of Functions of a Complex Variable

- Olcay Ilcasu, Ph.D., Assistant Professor; Numerical Analysis
- Gary Itzkowitz, Ph.D., Professor; Operator Theory
- Christopher Lacke, Ph.D., Associate Professor; Decision Analysis/Operations Research
- Paul Laumakis, Ph.D., Full Professor; Applied Mathematics/Probability
- Dahlia Lamy, M.S, Instructor (three-quarter time)
- Ming-Sun Li, Ph.D., Associate Professor; Algebra
- Eric Milou, Ed.D., Full Professor; Math Education
- Hieu Nguyen, Ph.D., Full Professor; Differential Geometry
- Thomas Osler, Ph.D., Full Professor; Special Functions/Fractional Derivatives
- Jay Schiffman, M.A., Instructor (three-quarter time); Number Theory
- Christopher Simons, Ph.D., Associate Professor; Group Theory/Finite Mathematics
- Umashanger Thayasivam, Ph.D., Assistant Professor; Statistics
- Evelyn Weinstock, Ph.D., Assistant Professor; Differential Equations
- Dexter Whittinghill, Ph.D., Associate Professor; Statistics/Experimental Design/Statistics Education
- Marcus Wright, Ph.D., Assistant Professor; Complex Analysis
- Xiaoming (Jim) Zeng, Ph.D., Full Professor; Functional Analysis

## Grants

### External Grants

#### Janet Caldwell

- Janet Caldwell (PI) – NJ Department of Education Improving Teacher Quality Partnership (ITQP) Grant 2010-2013 (\$260,000 Year 1)

#### Karen Heinz

- Karen Heinz (PI) – NJ Department of Education Mathematics and Science Partnership (MSP) Grant 2010-2011 (\$592,000)

#### Eric Milou

- Sponsor: USDOE via NJDOE. Mathematics and Science Partnership, Start Date: 9/1/09 End Date: 8/31/10 Grant Title: South Jersey Mathematics Partnership, Amount Awarded: \$525,000

## Scholarly Activities

### Publications

#### Abdul Hassen

- *Hypergeometric Zeta Functions*, Intern. J. Number Theory, Vol. 6, No. 1, 2010 (with Hieu Nguyen)
- A Remark on Nondiscrete Heck Groups. JP Journal of Algebra, Number Theory and Applications, Vol. 14, Issue 2, 2009

#### Marlena Herman

- Marlena Herman, *Exploring Conics: Why Does  $B^2-4AC$  Matter?* (National Council of Teachers of Mathematics, *Mathematics Teacher*, accepted 03/23/10)

#### Christopher Lacke

- Mikel J. Harry, Prem S. Mann, Ofelia C. de Hodgins, Richard L. Hulbert, Christopher J. Lacke, *Practitioner's Guide to Statistics and Lean Six Sigma for Process Improvements* (John Wiley & Sons, 2010, 800 pages)
- Prem S. Mann, with the help of Christopher J. Lacke, *Introductory Statistics, 7<sup>th</sup> edition* (John Wiley & Sons, 2010), 692 pages

- Christopher J. Lacke, *IWorkshop Statistics Discovery with Data JMP Companion Manual, 3<sup>rd</sup> edition* (John Wiley & Sons, 2010), 220 pages

**Eric Milou**

- *Number Sense and Rational Numbers: Challenges, Clarity, and Coherence*, (National Council of Teachers of Mathematics, San Diego, April 2010), 04/23/10
- *Concepts vs Skills: A Bogus Dichotomy*, (National Council of Teachers of Mathematics, Nashville, November 2009), 11/18/09
- *Motivating Students in Mathematics with Engaging Technology from Games to Videos*, (Association of Mathematics Teachers of New Jersey: Somerset, October 2009): 10/15/09.

**Hieu Nguyen**

- Hieu D. Nguyen and Abdul Hassen, *Hypergeometric Zeta Functions* (International Journal on Number Theory, 2010), 99-126

**Thomas Osler**

- *More Vieta-like products of nested radicals*, The Mathematical Gazette, 94(2010), pp. 62-66.
- *Conjectures from a historic table by John Wallis*, with Lee Collins. Mathematical Spectrum, 42(2009/2010), pp. 14-19.
- *Triangles of equal area in a hyperbola*, with Adam Romasko, Mathematical Spectrum, 42(2009/2010), pp. 70-74
- *Euler and the functional equation for the zeta function*. The Mathematical Scientist. 34( 2009), pp. 62-73
- *Five historic formulas for pi*. Mathematics and Computer Education, 43(2009), pp. 250-258
- *Lord Brouncker's forgotten sequence of continued fractions for pi*. International Journal of Mathematical Education in Science and Technology, Volume 41, Issue 1 January 2010, pages 105 – 110.

**Jay Schiffman**

- Jay L. Schiffman, *2009 – A Year of Challenge and Triumph for AMTNJ*, New Jersey Mathematics Teacher, Journal of The Association of Mathematics Teachers of New Jersey (Editorial), May 2010, Volume 68, Issue 1, Page 3.

**Dexter Whittinghill III**

- John C. Chen, Dexter C. Whittinghill and Jennifer A. Kadlowec “Classes That Click: Fast, Rich Feedback to Enhance Student Learning and Satisfaction,” 2009. *Journal of Engineering Education*, 99(2), 159-168.

*Conference Activity*

**Janet Caldwell**

- *Developing Geometric Reasoning from Exploration of Proof*, (Association of Mathematics Teachers of New Jersey Annual Conference, Somerset NJ, October – 2009), 10/22/09
- *Getting Off to a Good Start: Providing Support for Novice Secondary Mathematics Teachers*, (Association of Mathematics Teacher Educators, San Diego CA, January – 2010), 01/29/10
- Joseph Rosenstein and Janet Caldwell, *National Standards and Their Impact on New Jersey*, (Great Ideas in Precalculus Conference, Piscataway NJ, March 2010), 03/19/2010
- *Marvelous Multiplication and Dazzling Division*, (National Council of Teachers of Mathematics, San Diego CA, April 2010), 04/22/10
- *Elementary Mathematics Specialists*, (New Jersey Association of Mathematics Teacher Educators, Ewing NJ, May 2010), 05/21/10
- Attended National Council of Supervisors of Mathematics, San Diego CA, 04/19-20/10

**Abdul Hassen**

- *A Generalization of the Riemann Zeta Function via Integral Representation*, International Conference in Mathematical Research and Education, (ICMRE 2009) - in Memory of Dr. Demissu Gemedu in Addis Ababa, Ethiopia, July 7, 2009
- Attended *From  $A=B$  to  $Z=60$ , A Conference in Honor of Dr Doron Zeilberger 60 Birthday*, Rutgers University, May 27 -28, 2010.
- Conference Chair at *Oslerfest: Mathematics Conference in Honor of Dr Tom Osler's 70<sup>th</sup> Birthday*, Rowan University, April 16-17, 2010

**Karen Heinz**

- *Let's Count What We Can't See! Fun Ways to Learn Fact Families* (Association of Mathematics Teachers of New Jersey, Somerset, NJ, October - 2009), Date of presentation – 10/15/09.
- *Key Developments in Children's Early Number Knowledge* (The Early Childhood Conference, Rowan University, March - 2010), Date of presentation – 3/12/10.

**Marlena Herman**

- Marlena Herman, Co-Chair, *South Jersey Math Alliance*, Rowan University, conferences on 12/04/09, 05/13/10

**Olcay Ilicasu**

- *A Numerical Approach to Singular Perturbation Delay Differential Equations*, The Seventh Annual Garden State Undergraduate Mathematics Conference, 04/10/2010, Middlesex County College. Olcay Ilicasu and Michael Groh, Devin Chandler (undergraduate students)
- *A Numerical Approach to Singular Perturbation Delay Differential Equations*, Rowan University STEM Conference 2010, 04/23/2010, Eynon Ballroom. Olcay Ilicasu and Michael Groh, Devin Chandler (undergraduate students)
- Mathematical Association of America, New Jersey Section Fall 2009 Meeting, College of Saint Elizabeth, 11/07/2009.
- Mathematical Association of America, New Jersey Section Spring 2010 Meeting jointly held with The Seventh Annual Garden State Undergraduate Mathematics Conference, Middlesex County College, 04/10/2010.
- Oslerfest, 04/16/2010-04/17/2010, Rowan University.

**Hieu Nguyen**

- *Foot to the Pedal: Constant Pedal Curves and Surfaces* (Joint Math Meetings, San Francisco, CA, January 2010), 1/13/10
- *Sums of Products of Hypergeometric Bernoulli Polynomials* (MAA-NJ Section Meeting, Middlesex County College, Edison, NJ, April 2010), 4/10/10
- Oslerfest Mathematics Conference, Rowan University, Glassboro, NJ, 4/17/10
- From  $A=B$  to  $Z=60$  Zeilberger Mathematics Conference, Rutgers University, Piscataway, NJ, 5/27/10

**Thomas Osler**

- *Euler and the continued fractions of Wallis and Brouncker*. Presented at the Eighth annual meeting of The Euler Society at Roger Williams University, Bristol, RI on July 14, 2009.
- *Another look at Euler's parallel oblique-angled diameters*. Presented at the Annual Meeting of the American Mathematical Society, San Francisco, January 13, 2010.

**Jay Schiffman**

- Jay L. Schiffman, *Exploring Several Open Problems in Elementary Number Theory with CAS Technology, Workshop Session (W4)*, Conference Proceedings from the Twenty-First International Conference on Technology in Collegiate Mathematics, Pages 245-249, The Twenty-First International Conference on Technology in Collegiate Mathematics, New Orleans, LA, March 2009, Addison-Wesley and Prentice Hall, Copyright 2010 by Pearson Education, Inc.

- Jay L. Schiffman, *Utilizing CAS Technology to Enhance Student's Understanding of the Collatz Problem, Contributed Paper Session (C5)*, Conference Proceedings from the Twenty-First International Conference on Technology in Collegiate Mathematics, Pages 250-254, The Twenty-First International Conference on Technology in Collegiate Mathematics, New Orleans, LA, March 2009, Addison-Wesley and Prentice Hall, Copyright 2010 by Pearson Education, Inc.
- Jay L. Schiffman, *Divisibility and Periodicity Ideas in the Fibonacci and Lucas Sequences*, Abstracts of Papers Presented at MathFest 2009 Portland, OR, August 6-8, 2009, Page 57, General Contributed Papers Session 4, Date of Presentation: 08/07/09, Copyright 2009 by The Mathematical Association of America, Inc.
- Jay L. Schiffman, *Exploring Limits, Continuity, and Differentiation with the TI-89, T<sup>3</sup> Regional Conference at Massachusetts Academy*, Program Booklet, Worcester, MA, October 2009, Dates of Presentation: 10/02/09 and 10/03/09.
- Jay L. Schiffman, *Fibonacci Number Tricks*, Kentucky Council of Teachers of Mathematics, The KCTM Annual Conference, Program Booklet, Pages 6 and 18, Bourbon County High School, Paris, KY, October 2009, Date of Presentation: 10/10/09.
- Jay L. Schiffman, *Exploring the Number of Divisors and the Sum of the Divisors of Positive Integers*, Kentucky Council of Teachers of Mathematics, The KCTM Annual Conference, Program Booklet, Page 21, Bourbon County High School, Paris, KY, October 2009, Date of Presentation: 10/10/09.
- Jay L. Schiffman, *Exploring The Greatest Common Divisor and The Least Common Multiple*, The Association of Mathematics Teachers of New Jersey 21<sup>st</sup> Annual Conference: Maximizing Every Student's Potential, AMTNJ Program Booklet, Session 86, Page 37, The 21<sup>st</sup> AMTNJ Annual Conference, Somerset, NJ, October 2009, Date of Presentation: 10/16/09.
- Jay L. Schiffman, *A Plethora of Student Misconceptions in Pre-Calculus and Calculus*, The Association of Mathematics Teachers of New Jersey 21<sup>st</sup> Annual Conference: Maximizing Every Student's Potential, AMTNJ Program Booklet, Session 112, Page 42, The 21<sup>st</sup> AMTNJ Annual Conference, Somerset, NJ, October 2009, Date of Presentation: 10/16/09.
- Jay L. Schiffman, *Divisibility and Periodicity Ideas in the Fibonacci and Lucas Sequences*, The Mathematics Colloquium at Rowan University, Glassboro, NJ, Date of Presentation: 10/21/09.
- Jay L. Schiffman, *The Sum of the Divisors of an Integer: Abundant, Perfect, and Deficient*, The NCTM Regional Meeting and Exposition, Boston, MA, October 21-23, 2009 Program Booklet, Session 295, Page 66, The NCTM Regional Meeting and Exposition, The John Hynes Convention Center, Boston, MA, October 21-23, 2009, Date of Presentation: 10/23/09.
- Jay L. Schiffman, *Divisibility and Periodicity Ideas in the Fibonacci and Lucas Sequences*, The Mathematics Colloquium at Rowan University, Glassboro, NJ, Mathematics department Flyer, Date of Presentation: 11/04/09.
- Jay L. Schiffman, *Some Varieties of Graphs*, The 58<sup>th</sup> Annual Meeting of The Pennsylvania Council of Teachers of Mathematics November 4-6, 2009, Rivers of Knowledge Meet at the Point, PCTM Program Booklet, Session 79, Page 38, The 58<sup>th</sup> Annual Meeting of PCTM, The Radisson Greentree, Pittsburgh, PA, November 2009, Date of Presentation: 11/05/09.
- Jay L. Schiffman and Gary S. Itzkowitz, *The Role of Technology as an Additional Representation in the K-12 Curriculum*, The South Jersey Mathematics Alliance, Rowan University, Glassboro, NJ, 12/04/09.
- Jay L. Schiffman, *Integrating the TI-83 Plus and the TI-84 Plus into Algebra II and Pre-Calculus*, Integrating TI Technology Into The Algebra I, Algebra II and Precalculus Curricula: Full-Day Workshops For Beginners and Advanced Users Sponsored By Texas Instruments, The Association Of Mathematics Teachers of New Jersey and Middlesex County College, Conference Program Booklet, Page 1, Middlesex County College, Edison, NJ, Date of Presentation: 12/11/09.

- Jay L. Schiffman, *An Introduction to the Calculator App on the TI-Nspire CAS Learning Handheld*,  $T^3$  Teachers Teaching With Technology 22<sup>nd</sup> International Conference March 5-7, 2010, The Hyatt Regency Atlanta, Atlanta, GA,  $T^3$  Program Booklet, Session 291, Page 100,  $T^3$  Teachers Teaching With Technology 22<sup>nd</sup> International Conference March 5-7, 2010, Atlanta, GA, Date of Presentation: 03/06/10.
- Jay L. Schiffman, *Utilizing CAS Technology to Explore Factoring and Primality*, ICTCM 2010 Chicago Twenty-Second International Conference on Technology in Collegiate Mathematics, Sheraton Hotel and Towers, March 11-14, 2010, Session S-38 in the ICTCM Program Booklet on Page 15, The Sheraton Chicago Hotel and Towers, Chicago, IL, Date of Presentation: 03/12/10.
- Jay L. Schiffman, *The Role Played by the TI-89 CAS in Resolving Divisibility Questions, Contributed Papers Session*, ICTCM 2010 Chicago Twenty-Second International Conference on Technology in Collegiate Mathematics, Sheraton Hotel and Towers, March 11-14, 2010, Contributed Paper Session C-5 in the ICTCM Program Booklet on Page 30, The Sheraton Chicago Hotel and Towers, Chicago, IL, Date of Presentation: 03/13/10.
- Jay L. Schiffman, *The Principle of Inclusion and Exclusion – A Powerful Combinatorial Tool*, The 24<sup>th</sup> Good Ideas in Teaching Precalculus and..., Rutgers – The State University of New Jersey Schedule of Abstracts Booklet, Page 2, March 2010, Rutgers University, Piscataway, NJ, Date of Presentation: 03/19/10.
- Jay L. Schiffman, *An Overview of Proof in a Discrete Mathematics Course*, General Contributed Papers Session, The Mathematical Association of America, The New Jersey Section Meeting in Conjunction with the 7<sup>th</sup> Annual Garden State Undergraduate Mathematics Conference (GSUMC), April 2010, Page 8 in the MAANJ Meeting Program Booklet, Middlesex County College, Edison, NJ, Date of Presentation: 04/10/10.
- Jay L. Schiffman, *A Dozen Numbers for your Thought*, Miscellaneous Contributed Papers Session, The Metropolitan New York Session of The MAA on Page 8 of The Metro NYMAA Program Booklet, May 2010, New York City Technical College (CUNY), Date of Presentation: 05/01/10.
- Jay L. Schiffman, *A Plethora of Patterns in Discrete Mathematics, Pre-Calculus, and Calculus*, The South Jersey Mathematics Alliance, Rowan University, Glassboro, NJ, Date of Presentation: 05/13/10.
- Jay L. Schiffman, *Rowan's High School Mathematics Model*, Mathematics Teacher Education in New Jersey, Conference Brochure, 1<sup>st</sup> Conference at Mercer County College, West Windsor, NJ, Date of Presentation: 11/21/09. (not published)
- Jay L. Schiffman, Moderator of Sharing Session: *Common Student Mistakes and How to Alleviate Them*, The 24<sup>th</sup> Good Ideas in Teaching Precalculus and..., Rutgers – The State University of New Jersey Program Booklet, Rutgers University, Piscataway, NJ, Date of Sharing Session: 03/19/10. (not published)
- Jay L. Schiffman, The OCTM Annual Statewide Conference (The Ohio Council of Teachers of Mathematics), Cincinnati, OH, Date of Attendance: 11/12/09-11/14/09.
- Jay L. Schiffman, The Special Education Conference sponsored by The Association of Mathematics Teachers of New Jersey, The Crowne Plaza, Jamesburg-Monroe, Jamesburg, NJ, Date of Attendance: 12/01/09.
- Jay L. Schiffman, The New Jersey Based Standards Conference sponsored by The Association of Mathematics Teachers of New Jersey, The Crowne Plaza, Jamesburg-Monroe, Jamesburg, NJ, Date of Attendance: 02/26/10.
- Jay L. Schiffman, Attended the Fourth Annual Conference of The New Jersey Association of Mathematics Teacher Educators which convened at The College of New Jersey in May 2010. Date of Attendance: 05/21/10.

**Christopher Simons**

- Oslerfest, Rowan University, Date of attendance – 04/16/2010 & 04/17/2010

**Dexter Whittinghill III**

- *The Effect of Light on the Growth and Morphology of the Threatened Seagrass Halophila Johnsonii*, Mathematical Association of America-NJ Section Spring Meeting, Edison, NJ, 04/10/10.
- United States Conference on Teaching Statistics, Columbus. OH, 06/25-27/09. (Not on last year's report.)
- Joint Statistical Meetings, Washington, DC, 08/02-06/09.
- Mathematical Association of America-NJ Section Spring Meeting, Edison, NJ, 04/10/10. Chair and organizer of the "Statistics: Practice and Pedagogy" contributed paper session.

**Marcus Wright**

- Mathematical Association of America – New Jersey Section and Garden State Undergraduate Mathematics Conference Spring Meeting, Middlesex County College, 04/10/2010
- Oslerfest, Rowan University, 04/06, 07/2010

*Other Scholarly Activity*

**Janet Caldwell**

- Grant proposals for Pinelands Curriculum Project to Mitsui (10/08/09 - declined) and to EPA (12/15/09 - pending) and for IMPACT project (10/15/09 – funded for \$260,000 for year 1 of 3)
- Revision of chapter for *Essential Understandings Multiplication and Division* for NCTM (ongoing)
- Development of *Essential Understandings Addition and Subtraction* for NCTM (ongoing)
- Review and comment on common core national math standards (ongoing)

**Karen Heinz**

- *Articulation of Content, Expectations, and Standards in Math and Science (ACES)*; Mathematics and Science Partnership Grant; NJ Dept. of Education; \$592,000; 07/01/10 to 06/30/11.
- Co-editor of the Connecting Research to Teaching department of the *Mathematics Teacher*, a national journal published by the National Council of Teachers of Mathematics; 04/17/08 to present.

**Marlena Herman**

- Reviewed 3 manuscripts submitted to *Mathematics Teacher* (National Council of Teachers of Mathematics), 4 manuscripts submitted to the *New Jersey Mathematics Teacher* (Association of Mathematics Teachers of New Jersey), and 2 manuscripts submitted to the *Ohio Journal of School Mathematics* (Ohio Council of Teachers of Mathematics), 07/01/09 – 05/31/10

**Christopher Lacke**

- Presentation of the basics of linear programming (graphical method, using Legos) to the Pitman Middle School MathCounts team, 05/11/10.

**Paul Laumakis**

- Facilitator, SJMP Summer Workshop for Elementary Math & Science Teachers, August 2009

**Hieu Nguyen**

- Supervised 2 undergraduate students in mathematical research. Both students presented posters of their work at Rowan's STEM Symposium, 4/23/10:
  - Malik Ahmed, Debugging the Mandelbrot Set
  - Melvin Thomas, Searching for Ghost Solitons

**Jay Schiffman**

- Jay L. Schiffman, Sponsored Research on Odd Abundant Numbers with Undergraduate Student and Mathematics Major Jacqueline (Jackie) Huynh.
- Jay L. Schiffman, 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.

**Christopher Simons**

- Referee for American Mathematical Monthly, May 2010

**Dexter Whittinghill III**

- Editor of Datasets & Stories column of the *Journal of Statistics Education*. 01/01/07-12/31/12.

**Marcus Wright**

- Undergraduate research advisor for Jonathan Weisbrod
- Project title: *Patterns in a Ternary Tree of Pythagorean Triples*, 01/01/2009 – 06/30/10
- Jonathan presented talks on this topic at the MAA Mathfest meeting, Portland, Oregon, 08/07 – 09/2009, the MAA/AMS Combined Meeting, San Francisco, 01/10 – 12/2010, the Mathematical Association of America – New Jersey Section and Garden State Undergraduate Mathematics Conference Spring Meeting, Middlesex County College, 04/10/2010, and at Oslerfest, Rowan University, 04/06, 07/2010
- STEM Symposium sponsor for Jonathan Weisbrod, 02/23/2010

**Accomplishments**

- Oslerfest: A Mathematical Conference in Honor of Professor Thomas Osler's 70<sup>th</sup> Birthday, April 16-17, 2010

**Notable Student Achievements**

- Six publications co-authored by students
- Nine conference presentations (talks and posters)
- Six Rowan STEM poster presentations

# *Philosophy & Religion*

## **Degree Programs**

- B.A. in Philosophy and Religion Studies  
Specializations:
  - Philosophy
  - Religion Studies

## **Minors/Concentrations**

- Minor in Philosophy
- Minor in Philosophy and Religion Studies
- Concentration in Ethics
- Concentration in Philosophy and Religion Studies

## **Students**

- Undergraduate Majors: 22
- Number of 2009-10 graduating students: 3

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Increase numbers of majors/minors: Majors reach 21-25; Minors reach 18-20 (counting in students in Philosophy/Religion Sequence in the LS:HS and in the CGCE )
- Help raising fund for a scholarship in World Philosophy and Religion Studies for our majors
- Organize and publicize the department colloquia: 2 in fall and 2 in spring

### **2010-2014**

- Increase numbers of majors/minors: majors reach 50, graduates 10-12 per year; minors reach 50
- Help raising fund for an annual scholarship of \$1000 in World Philosophy and Religion Studies
- Explore funding possibilities for research projects in environmental studies, ethical studies, for regional philosophy conferences, ethics center, lecture series in interreligious dialogue, and for best student research paper prize

## **Faculty**

- Dianne Ashton, Ph.D., Professor; American Judaism, Women in Judaism
- David Clowney, Ph.D., Associate Professor; Ethics, Aesthetics
- Matt Lund, Ph.D., Associate Professor; Philosophy of Science, Cognitive Science
- Ellen Miller, Ph.D., Associate Professor; Ethics, Feminist Philosophy
- Youru Wang, Ph.D., Professor; Asian Religions/Philosophies, World Religions

## **Grants**

### *Internal Grants*

#### **Dianne Ashton**

- *Career Development Grant, \$4500*

## Scholarly Activities

### Publications

#### Dianne Ashton

- “Female Hebrew Benevolent Society,” *Encyclopedia of Jewish History and Culture*, Stuttgart/Weimar: J. B. Metzler Publishers, 2010
- “Quick to the Party: the Americanization of Hanukkah and Southern Jewry,” *Southern Jewish History*, v. 12, 2009, pp. 1-38.
- “Shifting Veils: Religion, Politics and Womanhood in the Civil War Writings of American Jewish Women,” originally published in *Women in American Judaism: Historical Perspectives* (Brandeis University Press, 2003), being selected and reprinted in Sarna and Mendelsohn (eds.), *Jews and the Civil War*, New York: NYU Press, 2010

#### David Clowney

- *Earthcare: An Anthology in Environmental Ethics*. Lanham, MD: Rowman & Littlefield, 2009 (Co-editor).

#### Matt Lund

- *N.R. Hanson: Observations, Discovery, and Scientific Change*. Amherst, NY: Humanity Books, 2010
- “Preface,” in *Patterns of Discovery* by Norwood Russell Hanson (reissue, originally published in 1958), Cambridge: Cambridge University Press, 2010
- “Preface,” in *The Concept of the Positron* by Norwood Russell Hanson (reissue, originally published in 1963), Cambridge: Cambridge University Press, 2010

#### Ellen Miller

- “Dancing Like a Man: A Phenomenological Study of Gender, Class and Sexuality,” in Karen Weekes, ed. *Privilege and Prejudice: Twenty Years with the Invisible Knapsack*, Newcastle, UK: Cambridge Scholars Press, 2009

### Conference Activity

#### David Clowney

- “Wasps, Aliens, and Environmental Aesthetics,” co-presenter, American Society for Aesthetics, Eastern Division, April 16, 2010, Philadelphia
- “Four Environmental Virtues,” paper presentation to International Society for Environmental Ethics, June 11, 2010, Allenspark, Colorado
- “Ethics and Climate Change,” invited presentation to the Philosophy Department and Philosophy Club, Burlington County College, NJ, April 22, 2010

#### Matt Lund

- “Can Arguments from Authority in Scientific Inquiry be Justified?” Paper presentation to the Department of Philosophy and Religion Colloquium, College of New Jersey, Oct. 5, 2009

#### Ellen Miller

- “Geo-Aesthetics in the Classroom: Promoting Children’s Ethical Awareness through Environmental Awareness,” Paper presentation to International Association for Environmental Philosophy, May 26, 2010, University of Salisbury, Maryland
- “Listening to Deep Ecology, Ecofeminism and Trees: The Giving Tree and Environmental Philosophy,” Paper presentation to the Department of Philosophy and Religion Studies Colloquium, Rowan University, March 30, 2010

#### Youru Wang

- “Paradoxicality of Institution, De-Institutionalization, or the Counter-Institutional in Chinese Classical Chan Buddhist Thought,” paper presentation to the 5<sup>th</sup> International Conference on Philosophy, Athens Institute for Education and Research, Greece, May 30, 2010

*Other Scholarly Activity*

**Dianne Ashton**

- Member of American Jewish History Fein Research Award and Lapidus Fellowship Committees

**David Clowney**

- Reviewer for *Journal of Aesthetics and Art Criticism*

**Matt Lund**

- “Were the Dark Age Really Dark?” Lecture to Woodstown Philosophical Society, Friends Village, Woodstown, NJ, March 19, 2010

**Youru Wang**

- Member of Editorial Board for the *Dao: A Journal of Comparative Philosophy* published by Springer; reviewer for *Philosophy East and West*

**Accomplishments**

- Four Department Colloquia in October, November, March and April
- Faculty New Books Exhibition in April
- First time award the Charles W. Fu Scholarship in World Philosophy and Religion Studies of \$500 to a student of Philosophy/Religion major

# *Physics & Astronomy*

## **Degree Programs**

- B.S. Physics
- B.S. Physics, Photonics Specialization
- B.S. Physical Science, Physics Specialization

## **Minors/Concentrations**

- Minor in Astronomy
- Minor in Physics
- Concentration in Materials Science

## **Students**

- Undergraduate Majors: 105

## **Strategic Goals**

### **2009-2010**

- Increase student opportunity for research
- Better tracking/contact with alumni
- Expose majors to external physics

### **2010-2014**

- Reduce reliance on adjuncts and improve adjunct quality
- Expand research space to meet increasing needs
- Increase interdisciplinary contribution our dept (biomaterials, applied physics)

## **Faculty**

- Donald Farnelli, Ph.D., Associate Professor; Astronomy & Earth Science
- Eduardo Flores, Ph.D., Associate Professor; Theoretical High Energy Physics
- Erick Guerra, Ph.D., Associate Professor; Radio Astronomy & Astrophysics
- Jeffrey Hettinger, Ph.D., Professor; Experimental Condensed Matter Physics
- David Klassen, Ph.D., Associate Professor; Planetary Science
- Michael Lim, Ph.D., Associate Professor; Experimental Atomic, Molecular, & Optical Physics
- Hong Y. Ling, Ph.D., Professor; Theoretical Atomic, Molecular, & Optical Physics
- Samuel Lofland, Ph.D., Professor; Experimental Condensed Matter Physics
- Karen Magee-Sauer, Ph.D., Professor; Planetary Science

## **Grants**

### **Jeff Hettinger**

- Focused Research Group: MAX Phase Solid Solutions-Unique Opportunities at Engineering Bulk and Solid Solution Properties, Co-PI; Source of Support: National Science Foundation; Total Award Amount: \$800,000(\$303,000 to Rowan); 09/01/05-08/30/10.

- MRI: Acquisition of a wavelength dispersive x-ray fluorescence spectrometer for use in undergraduate materials and forensic research and education, PI, Source of Support: National Science Foundation, Total Award Amount: \$227,422, 09/01/08-08/31/09.
- 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, 1/01/10-12/31/10.

**Ben Kain**

- Awarded \$2000 grant from the New Jersey Space Grant Consortium; 2009-2010.

**David Klassen**

- NASA–LEND–SPS Scholar/Intern Program, Co-PI (PI Sam Lofland), \$12,000, May 2008-Aug 2010.

**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**

- “Coupled atom-polar molecule condensate systems: a theoretical adventure”, PI, Army Research Office, \$175,000; 2009 – 2011.
- “Coupled atom-polar molecule condensate systems: a theoretical adventure”, PI, National Science Foundation, \$75,000; 2009 – 2011.

**Sam Lofland**

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

**Karen Magee-Sauer**

- RUI: Infrared Spectroscopy and Characterization of Comets, National Science Foundation, Total Award Amount: \$155,443, 05/01/04 - 04/30/10.

**Tatjana Miletic**

- Rowan University is subcontracted under Drexel University grant “Systems to Increase Neutrino Detection Precision with the Double Chooz Detectors” awarded to Dr. Charles E. Lane.

**Scholarly Activity**

*Journal Articles*

**Ron Bruner**

- Ronald F. Bruner. “Might Dark Matter and Energy be Intrinsic Properties of Space?” *International Journal of Theoretical Physics* 48, (2009): 2704-2714.

**Eduardo Flores**

- Buonpastore, R., Flores E. and Knoesel, E. “Diffraction of Coherent Light with Sinusoidal Amplitude by a Thin-Slit Grid.” *Optics* 121 (2010), pp. 1009-1012

**Jeff Hettinger**

- T. H. Scabarozzi, C. Gennaoui, J. Roche, T. Flemming, K. Wittenberger, P. Hann, B. Adamson, A. Rosenfeld, M. W. Barsoum, J. D. Hettinger, and S. E. Lofland. “Combinatorial Investigation of  $(Ti_{1-x}Nb_x)_2AlC$ ”, *Applied Physics Letters*, 95 (2009): 101907-101909.

**David Klassen**

- Klassen, D. R. "Principal components analysis of Mars in the near-infrared." *Icarus*, Volume 204 Issue 1, 11/2009, pp. 32–47

**Ernst Knoesel**

- Buonpastore, R., Flores E. and Knoesel, E. "Diffraction of Coherent Light with Sinusoidal Amplitude by a Thin-Slit Grid." *Optics* 121 (2010), pp. 1009-1012

**Michael Lim**

- T. Mueller, B. Zhang, R. Fermani, K.S. Chan, M.J. Lim, and R. Dumke. "Programmable trap geometries with superconducting atom chips." *Physical Review A* 81 (2010), 053624.
- T. Müller, B. Zhang, R. Fermani, K.S. Chan, Z.W. Wang, C.B. Zhang, M.J. Lim, R. Dumke. "Trapping of ultra-cold atoms with the magnetic field of vortices in a thin film superconducting micro-structure." *New Journal Physics* 12 (2010), 043016.
- Rachele Fermani, Tobias Mueller, Bo Zhang, Michael J. Lim, Rainer Dumke. "Heating rate and spin flip lifetime due to near field noise in layered superconducting atom chips." *Journal of Physics B: Atomic, Molecular, and Optical Physics* 43 (2010), 095002.

**Hong Ling**

- Lei Jiang, Han Pu, Weiping Zhang, and Hong Y. Ling, "Detection of Fermi Pairing via Electromagnetically Induced Transparency", *Phys. Rev. A* 80, issue 3 (September, 2009), 033606-1 – 033606-7.
- Lu Zhou, Han Pu, Hong Y. Ling, and Weiping Zhang, "Cavity-Mediated Strong Matter Wave Bistability in a Spin-1 Condensate", *Phys. Rev. Lett.* 103, issue 16 (October 2009), 160403-1 – 160403-4.
- Lei Jiang, Han Pu, Andrew Robertson, and Hong Y. Ling, "Matter-wave bistability in coupled atom-molecule quantum gases", *Phys. Rev. A.* 81, issue 1 (January, 2010), 013619-1 – 013619-6.
- Jing Qian, Weiping Zhang, and Hong Y. Ling, "Achieving Ground Polar Molecular Condensates by a Chainwise Atom-Molecule Adiabatic Passage", *Phys. Rev. A* 81, issue 1 (January, 2010), 013632-1 - 013632-7.

**Sam Lofland**

- S. Samal, T. Magdaleno, K. Ramanujachary, S. Lofland and A. Ganguli. "New double perovskites, LaBaTaNi<sub>1-x</sub>Co<sub>x</sub>O<sub>6</sub>: Structural, Dielectric and Magnetic studies." *Solid State Sciences.* (2010), in press.
- T. Scabarozzi, C. Gennaoui, J. Roche, T. Flemming, K. Wittenberger, P. Hann, B. Adamson, A. Rosenfeld, M. Barsoum, J. Hettinger and S. Lofland. "Combinatorial investigation of (Ti<sub>1-x</sub>Nb<sub>x</sub>)<sub>2</sub>AlC." *Applied Physics Letters.* 95 (2009), 1907.
- S. Bhagwat, S. Jouen, D. Kundaliya, H. Singh, T. Jagadale, A. Athawale, S. Lofland, B. Hannover and S. Ogale. "Non-Templated Hydrothermal Growth of Anisotropic Magnetite Nanostructures Using Hexamine as the Directing Agent." *Journal of Nanoscience and Nanotechnology.* 9 (2009), 5823-5828.
- S. Vaidya, K. Ramanujachary, S. Lofland and A. Ganguli. "Synthesis of Homogeneous NiO@ SiO<sub>2</sub> Core-shell Nanostructures and the Effect of Shell Thickness on the Magnetic Properties." *Cryst. Growth Des.* 9 (2009), 1666-1670.
- M. Qamar, S. Lofland, K. Ramanujachary and A. Ganguli. "Magnetic and photocatalytic properties of nanocrystalline ZnMn<sub>2</sub>O<sub>4</sub>." *Bulletin of Materials Science.* 32 (2009), 231-237.
- T. Scabarozzi, J. Roche, A. Rosenfeld, S. Lim, L. Salamanca-Riba, G. Yong, I. Takeuchi, M. Barsoum, J. Hettinger and S. Lofland. "Synthesis and characterization of Nb<sub>2</sub>AlC thin films." *Thin Solid Films.* 517 (2009), 2920-2923.
- S. Samal, T. Magdaleno, K. Ramanujachary, S. Lofland and A. Ganguli. "Enhancement of magnetic ordering temperature in iron-substituted ytterbium manganate (YbMn<sub>1-x</sub>Fe<sub>x</sub>O<sub>3</sub>)." *Journal of Solid State Chemistry.* 183 (2010), 643-648.

- J. Ahmed, S. Sharma, K. Ramanujachary, S. Lofland and A. Ganguli. "Microemulsion-mediated synthesis of cobalt (pure fcc and hexagonal phases) and cobalt–nickel alloy nanoparticles." *Journal of colloid and interface science*. 336 (2009), 814-819.
- K. Pavani, M. Singh, A. Ramanan, S. Lofland and K. Ramanujachary. "Engineering of copper molybdates: Piperazine dictated pseudopolymorphs." *Journal of Molecular Structure*. 933 (2009), 156-162.
- Menaka, S. E. Lofland, K. V. Ramanujachary and A. K. Ganguli. "A new low temperature methodology to obtain pure nanocrystalline nickel borate." *Journal of Organometallic Chemistry*. 695 1002-1005.

#### **Karen Magee-Sauer**

- Bonev, B. P., M. J. Mumma, E. L. Gibb, M. A. DiSanti, G. L. Villanueva, K. Magee-Sauer, R. S. Ellis. "Comet C/2004 Q2 (Machholz): Parent Volatiles, a Search for Deuterated Methane, and Constraint on the CH<sub>4</sub> Spin Temperature." *The Astrophysical Journal*, Volume 699 Issue 2, 7/2009, pp. 1563-1572.
- Radeva, Y., M. J. Mumma, B. P. Bonev, M. A. DiSanti, G. L. Villanueva, K. Magee-Sauer, E. L. Gibb, H. A. Weaver. "The organic composition of Comet C/2000 WM<sub>1</sub> (LINEAR) revealed through infrared spectroscopy." *Icarus*, Volume 206 Issue 2, 4/2010, pp. 764-777.

#### **Tatjana Miletic**

- KamLAND Collaboration (S. Abe et al.), "Production of Radioactive Isotopes through Cosmic Muon Spallation in KamLAND". Jul 2009. 16pp. Phys.Rev.C 81:025807,2010. e-Print: arXiv:0907.0066 [hep-ex]

#### *Conference Activity*

*Papers Presented and Published in the Proceedings of a Conference*

#### **Ron Bruner**

- Ronald F. Bruner. "Might Dark Matter and Energy be Intrinsic Properties of Space?". Paper presented at the April meeting of the American Physical Society, Washington, DC, February 13-17, 2010.

#### **Eduardo Flores**

- Flores, E. and De Tata<sup>1</sup>, J. "Complementarity Paradox Solved: Surprising Consequences." *Foundations of Physics*, DOI 10.1007/s10701-010-9477-4, June 09, 2010

#### **Erick Guerra**

- Guerra, Erick J. & Pultar, Richard. *B and V Photometry of Inverted-spectrum and Flat-spectrum Radio Sources with the Rowan 0.4-meter Telescope*, abstract in the Bulletin of the American Astronomical Society, Volume 42, 2010.

#### **Jeff Hettinger**

- Min Heon, Yury Gogotsi, Jeffrey D. Hettinger, Magali Brunet, David Pech, Pierre-Louis Taberna and Patrice Simon. "Carbide-derived-carbon for thin-film supercapacitors", 2009 Fall Meeting of the Materials Research Society, Boston, MA, November 30, 2009-December 4, 2009.
- James Applegate, Dave Bauer, James Quirin, S.E. Lofland, J.D. Hettinger, M. Heon, Y. Gogotsi, "Carbide-derived-carbon for supercapacitor applications", 2010 April Meeting of the American Physical Society, Washington, DC, February 13-16, 2010.

#### **Ben Kain**

- Sherman, Benjamin, Christopher Freund and Ben Kain. "The Effective Kahler Potential, Metastable Vacua and R-Symmetry Breaking in O'Raifeartaigh Models." Poster presented at annual international meeting for the American Physical Society, Washington, DC, February 13-17, 2010.
- Sherman, Benjamin, Christopher Freund and Ben Kain. "The Effective Kahler Potential, Metastable Vacua and R-Symmetry Breaking in O'Raifeartaigh Models." Poster presented at annual Rowan STEM Symposium, Glassboro, NJ, April 23, 2010.

### David Klassen

- Klassen, D., Sahm, G. "Online Assessments using Blackboard-CE." *American Association of Physics Teachers Summer Meeting*, 7/2009, HD10.
- Dougherty, I., McClanahan, T. "Analysis of Mars Mid-Latitude Lobate Debris Aprons." *Bulletin of the American Physical Society*, 2/2010, B11.04. [Klassen, D. acknowledged as Rowan advisor for this project]
- Campbell, C., Rowan Mars Research Team. "Mars Neutron/Gamma-ray Data Clustering." *Bulletin of the American Physical Society*, 2/2010, C1.20. [RMRT includes Klassen, D. as Rowan advisor for the project and Freas, D. as research assistant]
- Harrison, P., Klassen, D. "NIR PCA of Mars." *Bulletin of the American Physical Society*, 2/2010, M1.31.

### Michael Lim

- R. Fermani, T. Mueller, M. J. Lim, and R. Dumke. "Heating rate and spin flip lifetime in superconducting atom chips." Paper presented at the 2010 International Symposium on Physics of Quantum Technology, Tokyo, Japan, April 6-9, 2010.
- T. Mueller, B. Zhang, R. Fermani, K.-S. Chan, M. J. Lim, and R. Dumke. "Vortex-based superconducting atom chip." Paper presented at the 2010 International Symposium on Physics of Quantum Technology, Tokyo, Japan, April 6-9, 2010.
- Tobias Mueller, Rachele Fermani, Bo Zhang, Kin Sung Chan, Michael J. Lim, and Rainer Dumke. "Superconducting Atom Chips." Paper presented at the DPG Frühjahrstagung der Sektion AMOP, Hannover, Germany, March 8-12, 2010.

### Hong Ling

- Michael Fodor and Hong Y. Ling, "Finite-Temperature Phase Diagrams of an Atomic Bose and Two-Component Fermi Mixture", in the 41th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), Houston, Texas, May 25-29, 2010.
- L. Zhou, H. Pu, Hong Y. Ling, and Weiping Zhang, "Cavity-Mediated Matter Wave Bistability in a Spin-1 Condensate", in the 41th Meeting of the Division of Atomic, Molecular and Optical Physics (DAMOP), Houston, Texas, May 25-29, 2010.

### Sam Lofland

- P. von Lockette, S. Lofland and J. Biggs. "Defining and Investigating New Symmetry Classes for the Next Generation of Magnetorheological Elastomers." Paper presented at ASME 2009 Conference on Smart Materials, Adaptive Structures and Intelligent Systems (SMASIS2009) Oxnard, California, September 21-23, 2009.
- J. Appelgate, D. Bauer, J. Quirin, S. Lofland, J. Hettinger, M. Heon and Y. Gogotsi. "Carbide Derived Carbon Super Capacitor Application." Paper presented at American Physical Society, Washington, DC, February, 2010.
- C. J. Long, J. Lee, S. Kitt, S. Lofland and I. Takeuchi. "Development of a scanning near-field microwave microscope for localized magnetic resonance measurements." Paper presented at Joint Intermag MMM Conference, Washington, DC, January, 2010.
- D. D. Hunter, R. Takahashi, R. Suchoski, E. D. J. R. H.-S. L. Bendersky, S. E. Lofland, M. Wuttig and I. Takeuchi. "Investigation of magnetostriction in Fe-Ga-Zn and Co-Fe thin films." Paper presented at Joint Intermag MMM Conference, Washington, DC, January 2010.
- D. Banerjee, S. E. Lofland, J. P. Liu, L. Bendersky, D. Josell and I. Takeuchi. "High temperature magnetization studies on SmCo<sub>5</sub> films & SmCo<sub>5</sub>/Fe bilayers. ." Paper presented at Joint Intermag MMM Conference, Washington, DC, January, 2010.
- Luykx, S. Lofland, D. Kan, D. Hunter, F. Kartawidjaja, A. Varatharajan, J. Wang, V. Nagarajan, J. Cumings and I. Takeuchi. "Exploration of All-Thin-Film Non-Volatile ME RAM Devices." Paper presented at MRS Fall Meeting, Boston, November, 2009.

- Long, S. Kitt, J. Lee, S. Lofland and I. Takeuchi. "Development of a scanning microwave microscope for localized ferromagnetic resonance measurements." Paper presented at American Physical Society, Portland, Oregon, March 2010.

**Karen Magee-Sauer**

- Bonev, B. P., E. L. Gibb, G. L. Villanueva, K. Wright, M. J. Mumma, M. A. DiSanti, G. Blake, K. Magee-Sauer, C. Salyk. "Spin And Rotational Temperatures Of Water And Methane: Comets C/2007 N3 (Lulin) And C/2007 W1 (Boattini)." American Astronomical Society, *41<sup>st</sup> Division for Planetary Sciences Meeting*, #23.07, October 2009.
- Disanti, M. A., M. J. Mumma, B. P. Bonev, G. L. Villanueva, Y. L. Radeva, K. Magee-Sauer, E. L. Gibb. "A Comparison of Oxidized Carbon Abundances Among Comets." Astrobiology Science Conference 2010: Evolution and Life: Surviving Catastrophes and Extremes on Earth and Beyond, April 26-20, 2010 in League City, Texas. LPI Contribution No. 1538, p.5282.

*Attended a Conference*

**Erick Guerra**

- 215<sup>th</sup> Meeting of the American Astronomical Society. Washington, DC. January 5-7, 2010.

**Ben Kain**

- American Physical Society, Washington, DC, February 13-17, 2010.

**David Klassen**

- American Association of Physics Teachers. Ann Arbor, MI. July 25–29, 2009. [Also attended workshop W08 "A New Methodology for Using Clickers in Physics Lectures" and T01 "Critical Thinking in Introductory Astronomy"]
- American Physical Society / American Association of Physics Teachers (joint meeting). Washington, DC. January 13–17, 2010.

**Karen Magee-Sauer**

- NSF ADVANCE LEAD (Leadership Excellence for Academic Diversity) National Workshop, Fayetteville, AR, June 21–23 2009.
- American Council on Education: Chairing the Academic Department, Austin, TX, November 4-7 2009.

**Tatjana Miletic**

- Double Chooz collaboration meeting in Givet, France June 6–9, 2010.
- International Neutrino 2010 conference held in Athens, Greece. June 14–19, 2010.

*Other Scholarly Activity*

**Don Farnelli**

- Public Star Party, Scotland Run Park, 9/24/2009, 10/23/2009, 1/27/2010, 4/14/2010
- Public Presentation on "The Star of Bethlehem" and the "Blue Moon", The Word Church, 12/20/2009
- Outreach, "Sunday on Saturday", Rowan University, 3/6/2010
- Outreach, Holly Glenn Elementary School, Williamstown, NJ, 4/16/2010
- Outreach, Public "Dune and Beach Walk" at Corson's Inlet Park, 5/28/2010

**Eduardo Flores**

- Referee for articles in: American Journal of Physics, Foundations of Physics, and International Journal of Theoretical Physics

**Erick Guerra**

- Directed student researcher, Chris Urban. Project to detect vibrations in the observatory and develop strategies to improve 0.4-meter telescope performance. 01/19/10-05/01/10.

- Directed student researcher Richard Pultar. Project was multiband photometry of galaxies at distances between 500 million and 1 billion light years using the 0.4-meter in Science Hall. 01/19/10-05/01/10.

#### **Jeff Hettinger**

Directing of Graduate Student Research:

- Theodore Scabarozzi, Drexel University (through agreement for NSF-FRG award), completed Ph.D. in Materials Science and Engineering, December, 2009. Thesis Title: “Combinatorial Investigation of Nanolaminate Ternary Carbide Thin Films”, [in collaboration with Lofland(Rowan) and M. W. Barsoum (Drexel)].
- John Carroll, Rowan University, MS Electrical and Computer Engineering, February, 2010. Thesis Title: “A study of Chromium Substituted Vanadium Carbide Films”, [in collaboration with Lofland (Physics) and Robert Krchnavek (ECE)].

#### **Ben Kain**

- Department of Physics & Astronomy Colloquium Series, “Particle Physics!” September 2009.

#### **David Klassen**

- Invited public talk, “We’ve Discovered Water on Mars! (...again)”, for The International Year of Astronomy: No Night Without a Telescope event. Swarthmore College, Swarthmore, PA. November 17, 2009.
- Created, administered, and scored two events for the New Jersey Science Olympiad, South Jersey Regional event. Camden County College, Blackwood, NJ. January 9, 2010.
- Created, administered, and scored one event for the New Jersey Science Olympiad, State Finals event. Middlesex County College, Edison, NJ. March 16, 2010.
- Presented two talks, “Astronomy at Rowan University” and “Martian Cloud Modeling using CRISM NIR Spectra” at the Philadelphia Area Astronomers meeting. Swarthmore College, Swarthmore, PA. June 2, 2010. [Three of my research students presented their work with me as well—two as posters, one as a talk.]
- Mentored undergraduate students Peter Harrison, Ian Dougherty, Carl Campbell, and Daniel Freas.

#### **Michael Lim**

- NSF Reviewer, Theoretical Atomic, Molecular, and Optical Community (TAMOC) Program, 2010.
- Research Corporation Reviewer, Cottrell College Program, 2010.
- APS Division of Atomic, Molecular, and Optical Physics (DAMOP) conference session chair, “Ultracold Collisions, Photoassociation, and Spectroscopy,” 2009.

#### **Hong Ling**

- Organizer of Physics Department Colloquia Series

#### **Sam Lofland**

- Editorial Board, Journal of Magnetism

#### **Karen Magee-Sauer**

- Reviewer, National Science Foundation OISE-IRFP, Postdoctoral Research Fellowship, November 2009.
- Reviewer, NASA Postdoctoral Program, December 2009.
- Reviewer, National Science Foundation Planetary Astronomy Program, March 2010.
- Research Collaborator, NASA Goddard Space Flight Center, Solar System Exploration Division, 2009-2010.
- Mentored Undergraduate Student Research: Rachel Spreng and Michael Fodor

#### **Tatjana Miletic**

- Department of Physics & Astronomy Colloquium Series, “Neutrino Physics with Double Chooz Detector”, March 26, 2010.

- Widener University Physics Department Colloquium, April 2010. “Neutrino Physics with Double Chooz Detector”
- Public Lecture, commemorating the anniversary of Nikola Tesla’s lecture given before Franklin Institute in Philadelphia in 1893. Title: “Nikola Tesla in Philadelphia, at Present and More Than Century Ago,” February 2010.
- Organizing committee for Tesla Science Foundation Conference being held in Philadelphia, July 2010.

#### **Accomplishments**

- Hong Ling secured funding for the College’s first postdoctoral research assistant through a grant from the Army Research Office.

# *Political Science*

## **Degree Programs**

- B.A. in Political Science

## **Minors/Concentrations**

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

## **Students**

- Undergraduate Majors: 99 (38 Minors, 19 LSHSS Sequences)
- Number of 2009-10 graduating students: 23 (11 Minors)

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Improve undergraduate education
- Increase faculty research productivity
- Increase interdisciplinary course opportunities

### **2010-2014**

- Increase department visibility on campus and in the region
- Increase departmental fundraising activity

## **Faculty**

- Lawrence Butler, Ph.D., Associate Professor; American Politics and Research Methods
- Bruce Caswell, Ph.D., Associate Professor; Political Theory and State and Local Politics
- Lawrence Markowitz, Ph.D., Assistant Professor; Comparative Politics and International Relations
- Mohammed Rashiduzzaman, Ph.D., Associate Professor; Comparative Politics and International Relations
- Bernadyne Weatherford, Ph.D., Associate Professor; Constitutional Law and Judicial Politics

## **Grants**

### *External Grants*

#### **Lawrence Markowitz**

- Woodrow Wilson Center for International Scholars. Short-term grant for accessing Washington DC sources. \$3,100

## **Scholarly Activities**

### *Publications*

#### *Book Chapters*

#### **Lawrence Markowitz**

- "The Limits of International Agency." In *Stable Outside, Fragile Inside? Post-Soviet Statehood in Central Asia*, edited by Emilian Kavalski, pp. 133-156. Aldershot, U.K.: Ashgate, 2010.

*Periodicals*

**Lawrence Butler**

- “Momentum in the 2008 Presidential Contests.” *Polity*. Volume 41, Number 3 (2009), pp. 331-344.

**Bruce Caswell**

- “The Presidency, the Vote, and the Formation of New Coalitions.” *Polity*. Volume 41, Number 3 (2009), pp. 388-407.

*Conference Activity*

*Conference Papers*

**Lawrence Butler**

- “Party Governance Under Speaker Pelosi.” Paper presented at the quadrennial State of the Parties conference at the University of Akron’s Bliss Institute for Applied Politics, Akron, OH, October 15-16, 2009.

**Bruce Caswell**

- “Hugh Henry Brackenridge’s Satirical Commentary on the Transition from a Republican Political Culture to a Democratic Culture in Early America.” Paper presented at the 2009 annual meeting of the American Political Science Association, Toronto, Canada, September 3-6, 2009.
- “Demography and the Next Political Party System.” Paper presented at the annual meeting of the Northeastern Political Science Association, Philadelphia, PA, November 19-21, 2009.
- “Using the American Founding Fathers to Enhance the Teaching of Western Political Theory” at the annual meeting of the Southern Political Science Association, Atlanta, GA, January 7-10, 2010.
- “Teaching the Traditional Western Political Thought Course in the 21<sup>st</sup> Century.” Paper presented at the annual meeting of the Midwest Political Science Association, Chicago, IL, April 23-25, 2010.

**Lawrence Markowitz**

- “The Rhetoric and Reality of Authoritarian Reaction in Postwar Tajikistan” at the annual convention of the American Association for the Advancement of Slavic Studies, Boston, MA, November 14, 2009.

*Conference Panel Chair/Discussant/Roundtable Participant*

**Bruce Caswell**

- Chaired a panel on “Political Theory and Teaching” at the annual meeting of the American Political Science Association, Toronto, Canada, September 3-6, 2009.
- Participated in a roundtable panel on “U.S. Foreign Policy” at the annual meeting of the Northeastern Political Science Association, Philadelphia, PA, November 19-21, 2009.
- Participated in a roundtable panel on “The Party System in the Obama Era: An Eye Toward 2010 and 2012” at the annual meeting of the Northeastern Political Science Association, Philadelphia, PA, November 19-21, 2009.
- Served as discussant for a panel on “A Pious Republic? Religion in American Political Thought” at the annual meeting of the Northeastern Political Science Association, Philadelphia, PA, November 19-21, 2009.
- Chaired a panel on “Animating Populism, Conservatism, Democracy and Individualism: Disney, the Simpsons and Cormac McCarthy, and ‘Into the Wild’” at the annual meeting of the Northeastern Political Science Association, Philadelphia, PA, November 19-21, 2009.
- Served as discussant for a panel on “Assessing Student Learning” at the annual meeting of the Southern Political Science Association, Atlanta, GA, January 7-10, 2010.
- Served as discussant for a panel on “Social Order and Capital in Urban Areas” at the annual meeting of the Southern Political Science Association, Atlanta, GA, January 7-10, 2010.

- Chaired a panel on “New Approaches to Deep Learning” at the annual meeting of the Southern Political Science Association, Atlanta, GA, January 7-10, 2010.
- Chaired a panel on “Experiential Learning and Student Engagement” at the annual meeting of the Midwest Political Science Association, Chicago, IL, April 23-25, 2010.

*Other Scholarly Activity*

**Lawrence Butler**

- Served as a reviewer for an article submitted to the scholarly journal *PS: Political Science and Politics*, January 2010.

**Bruce Caswell**

- Served as a reviewer of five manuscripts from a roundtable entitled “Obama Meets the World: Realities and Recommendations for a New Administration” to be published in the scholarly journal *New Political Science*, October 2009.

**Lawrence Markowitz**

- Served as a member of the U.S. Embassy Policy Program Selection Committee of the International Research and Exchanges Board, which evaluates grant proposals for policy appointments to US embassies in Central Asia, April, 2010.

# Psychology

## Degree Programs

### *Undergraduate*

- B.A. in Psychology
  - Specialization in Behavioral Services for Children and Their Families

### *Graduate*

- M.A. in Applied Behavior Analysis
- M.A. in Clinical Mental Health Counseling
- Joint M.A. in School Psychology (with College of Education)
- Certificate of Advanced Graduate Study in Mental Health Counseling
- Certificate of Graduate Study in Applied Behavior Analysis

## Minors/Concentrations

- Minor in Psychology

## Students

- Undergraduate Majors: 499 (Minors: 99)
- Graduate Majors: 86
- Number of 2009-10 graduating students: 156

## Strategic Goals for 2009-2014

- 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.

## Faculty

- Bonnie Angelone, Ph.D., Associate Professor; Experimental Psychology, Cognitive
- David Angelone, Ph.D., Assistant Professor; Clinical Psychology
- Janet Cahill, Ph.D, Full Professor; Clinical Psychology
- Roberta Dihoff, Ph.D., Full Professor; School Psychology
- Thomas Dinzeo, Ph.D., Assistant Professor; Clinical Psychology
- Michelle Ennis-Soreth, Ph.D., Assistant Professor; Experimental Psychology, Behavior Analysis
- Eleanor Gaer, Ph.D., Associate; Experimental Psychology, Social & Cognitive
- Monica Greco, Ph.D., Associate Professor; Experimental Psychology

- James Haugh, Ph.D., Associate Professor; Clinical Psychology
- Jerry Hough, Ph.D., Associate Professor; Experimental Neurobiology
- MaryLou Kerwin, Ph.D., Full Professor; Counseling Psychology
- Valerie LaMastro, Ph.D., Assistant Professor; Experimental Psychology, Social & Cognitive
- Rory McElwee, Ph.D., Assistant Professor; Experimental Psychology, Social & Personality
- Corann Okorodudu, Ph.D., Full Professor; Lifespan Human Development
- Eve Sledjeski, Ph.D., Full-time temporary; Experimental Psychology, Health
- Keiko Stoeckig, Ph.D., Assistant Professor; Experimental Psychology, Perception
- Lois Strauss, Ed.D, Associate Professor; Educational Psychology
- Len Williams, Ph.D., Associate Professor; Experimental Psychology, Cognitive
- Tricia Yurak, Ph.D., Assistant Professor; Experimental Psychology, Social

### Faculty Awards

#### MaryLou Kerwin

- *Rowan Research Achievement Award*

### Grants

#### External Grants

#### David Angelone

- Sponsor: NJ Division of Highway Safety; Program: Aggressive Driving Prevention Program; Award: \$25,855

#### Continuing External Grants

#### MaryLou Kerwin

- Sponsor: Robert Wood Johnson Foundation; Program: NJ Health Initiatives; Award: \$295,000
- Sponsor: National Institute on Drug Abuse; Program: Behavior Therapy Development CRAFT Behavior; Award: \$2,835,800
- Sponsor: National Institute on Drug Abuse; Program: Behavior Therapy Development CM in Methadone; Award: \$2,835,800

#### Lois Strauss

- Innovative Assistive Technology; Award: \$9,676.44
- M.A.T.C.H.; Award: \$10,873.02

#### Internal Grants

#### Thomas Dinzeo

- Professional Development Grant, SBR, \$1,000
- CLAS Summer Grant Award, \$2,725

### Scholarly Activities

#### Publications

- Harnish, R.J, McElwee, R.O., 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*. (2010)
- McElwee, R.O. “Teaching with your gut: Intuition, affect, and automatic processes in the classroom”. *Association for Psychological Science Observer*. (2010).
- Yurak, T.J., McElwee, R.O. “The phenomenology of the Impostor Phenomenon”. *Individual Differences*

*Research.* (2010).

- McElwee, R.O. “Facilitating students' preparation for class: Discussion of and evidence for an effective technique”. *Journal on Excellence in College Teaching.* (2009) 20 (4) 105-120.
- McElwee, R.O., J.A. Haugh. “ Thinking clearly versus frequently about the future self; Exploring this distinction and its relation to possible selves”. *Self and Identity.* (2009).
- Angelone, D.J., Mitchell, D., Kohlberger, B., Hirschman, R. “Effects of Offender Motivation, Victim Gender and Participant Gender on Perceptions of Rape Victims and Offenders”. *Journal of Interpersonal Violence.* (2009). 24, 1564-1578.
- Angelone, D.J., Mitchell, D., Carola, K. “Tolerance of sexual harassment: A laboratory paradigm”. *Archives of Sexual Behavior.* (2009). 38, 949-958.
- Dinzeo, Thomas, Davidson, L; Schmutte, T; Andres-Hyman, R; Drake, R Jacqueline Feldman, MD. “Oil and Water or Oil and Vinegar: Evidence-Based Medicine Meets Recovery”. *Community Mental Health Journal.* (2009). Volume 4, 323-332.
- Dinzeo, Thomas, Rowe, M; Sells, D; Garvin, C; Baranoski, M; Bellamy, C; Benedict, P; Schwab, L Jeffrey D. Roth, MD, FAGPA, FASAM “Citizenship, Community, and Recover: A Group-and-Peer Based Intervention for Persons With Co-Occuring Disorders and Criminal Justice Histories”. *Journal of Groups in Addiction & Recovery.* (2009). Volume 4, 224-244.
- Sledjeski, Eve, I. Kobayashi, W. Fallon, E. Spoonster, D. Riccio, D. Delahanty “Effects of early albuterol (salbutamol) administration on the development of post-traumatic stress symptoms”. *Psychiatry Research.* (2010 in press).

#### Conference Activity

##### **Bonnie Angelone**

- Angelone, Bonnie, Angelone, David. “1,2,3. Do you count sheep? An investigation of attentional biases in individuals with sleep disturbances”. Poster presented at the Psychonomics Society Conference, Boston, MA, November 21, 2009.
- “How long can you go? An investigation of working memory span and change detection”. Poster presented at the Vision Sciences Society Conference, Naples, FL, May 6-13, 2010.

##### **David Angelone**

- Angelone, Bonnie, Angelone, David. “1,2,3. Do you count sheep? An investigation of attentional biases in individuals with sleep disturbances”. Poster presented at the Psychonomics Society Conference, Boston, MA, November 21, 2009.
- “Dating, drama and BFF's gone awry: how do female-to- female relationships in middle school effect women's long- term lives”? Paper presented at the Eastern Psychological Association, New York, NY, March 6, 2010.
- “Is the solution in the steps? Examining factors related to step-work in a twelve-step population”. Poster presented at the Eastern Psychological Association, New York, NY, March 6, 2010.
- “Perceptions of rape: Perpetrator motivation, relationship status and participant gender”. Paper presented at the Society for the Scientific Study of Sexuality, Puerto Vallarta, Mexico, November 1, 2009.
- “Risky Sexual Behaviors of Study Abroad Students”. Paper presented at the Society for the Scientific Study of Sexuality, Puerto Vallarta, Mexico, November 1, 2009.
- “The Psychological Effects of Rape on Heterosexual and Homosexual Men”. Paper presented at the Society for the Scientific Study of Sexuality, Puerto Vallarta, Mexico, November 1, 2009.

##### **Thomas Dinzeo**

- “Personality characteristics and measures of clinical functioning in African Americans and Latinos/as

with psychosis: A preliminary examination of data from a longitudinal randomized clinical trial". Poster presentation at the Society for Research on Psychopathology, Minneapolis, MN, September 13, 2009.

- "The relationship of the FFM of personality to medical health issues and provider relationships in African Americans and Latinos/as with psychosis: A preliminary examination of data from a longitudinal randomized clinical trial". Poster presentation at the Society for Research on Psychopathology, Minneapolis, MN, September 13, 2009.
- "Personality characteristics and stress resilience in African Americans and Latino/as with psychosis". Poster presented at the Eastern Psychological Association, New York, NY, March 5, 2010.

#### **Eleanor Gaer**

- "Reasonable Person, Woman or Victim in Sexual Harassment Law". Paper presented at the Association for Psychological Science Conference, Boston, MA, May 27, 2010.

#### **MaryLou Kerwin**

- "Consumer choices of women in residential drug treatment; An analysis of risk and impulsivity". Paper presented at the Eastern Economic Association Conference, Philadelphia, PA, February 17, 2010.
- "Group contingencies in addiction treatment; Effect of direct observation of target behaviors by group members". Paper presented at the Association for Behavioral Analysis International, San Antonio, TX, May 27, 2010.
- "Parents as change agents for drug use and other risky behavior in children and adolescents". Paper presented at the Association for Behavioral Analysis International, San Antonio, TX, May 27, 2010.
- "Project BOAST: Work and money management skills for women in drug treatment". Paper presented at the Association for Behavioral Analysis International, San Antonio, TX, May 27, 2010.
- "The effect of feedback on professional communication with women in drug treatment". Paper presented at the Association for Behavioral Analysis International, San Antonio, TX, May 27, 2010.

#### **Rory McElwee**

- "Tuning up your tone. In J.M. Slattery (chair), Project Syllabus: Best Practices in Syllabus Tone". Paper presented at the American
- "Environmental attitudes: Relation to coping strategies and optimism for the world's future". Paper presented at the Eastern Psychological Association, New York, NY, March 6, 2010.
- "Optimism for the world's future versus the personal future: Application to environmental attitudes". Paper presented at the American Psychological Association, Toronto, Canada, August 1, 2009.
- "The effect of mortality salience on environmental attitudes: Denial under conditions of threat". Paper presented at the American Psychological Association, Toronto, Canada, August 1, 2009.

#### **Eve Sledjeski**

- "The influence of family environment of dissociation in pediatric injury patients". Poster presented at the Eastern Psychological Association, New York, NY, March 5, 2010.
- "Levels of psychopathology among traumatized female undergraduates". Poster presented at the Eastern Psychological Association, New York, NY, March 5, 2010.

#### *Other Scholarly Activity*

##### **David Angelone**

- Guest speaker on several occasions for the Psi Chi honor society.
- Peer reviewer for Sex Roles: A Journal of Research and Journal of Interpersonal Violence.

##### **Gerald Hough**

- Conservation Committee, American Ornithologists Union

##### **MaryLou Kerwin**

- Board of Advisors, Brett DiNovi & Associates; Behavioral Rehabilitation Services Board and Program Committee, Board of Trustees, Bancroft Neurohealth Inc.; Organizer of the South Jersey Applied

Behavior Analysis Network that met at Rowan twice this year

**Rory McElwee**

- 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), ongoing involvement
- Volunteer speaker, TOPPS (Teacher of Psychology in the Secondary Schools) Speakers Bureau (a service of the Education Directorate of APA), February 2010, Manalapan High School

# *Sociology*

## **Degree Programs**

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

## **Minors/Concentrations**

- Minor in Sociology
- Sequence in Liberal Studies: Humanities/Social Science

## **Students**

- Undergraduate Majors: 242 (LS:HSS Sequence: 27)
- Number of 2009-10 graduating students: 107

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Dean CLAS approval for the Masters in Applied Sociology
- New curriculum development for MA in Applied Sociology
- Interdisciplinary Clusters being Developed/Partnerships Developed

### **2010-2014**

- Department Assessment Committee formed for Department Review 2011
- Restructure Sociology Program at Camden to accommodate new curricular needs for working with a) Cooper Medical Faculty and b) Rowan at Camden
- Get the first three years of the M.A. in Applied Sociology underway

## **Faculty**

- James R. Abbott, Ph.D., Full Professor; Sociological Theory, Sociology of Religion
- Allison Carter, M.A., Instructor; Theory, Gender, Social Psychology, Cultural Sociology
- Jay E. Chaskes, Ph.D, Full Professor; Social Identity and Disability
- Mary Gallant, Ph.D., Associate Professor; Sociological Theory, Holocaust and Genocide
- Harriet Hartman, Ph.D, Full Professor; Gender, Jewish Studies, Sociology of Religion, Sociology of Education, Sociology of Family, Gender and Science/Engineering
- Mark Hutter, Ph.D., Full Professor; Urban Sociology, Sociology of the Family
- Sandra J. Jones, Ph.D., Associate Professor; Death, Dying and Bereavement, Race and Ethnic Relations
- Yuhui Li, Ph.D., Associate Professor; Research Methods, Social Statistics, Chinese Studies
- DeMond S. Miller, Ph.D., Full Professor; Environmental Studies, Clinical
- John P. Myers, Ph.D., Full Professor; Race and Ethnicity, Criminology, Experimental Learning
- Anthony Sommo, Ph.D., Assistant Professor; Disability and Deviance
- Ieva Zake, Ph.D., Associate Professor; Political and Historical Sociology, Ethnicity and Politics, Immigration, Contemporary Sociological Theory

## **Faculty Awards**

**Yuhui Li**

- *Faculty Center Wall of Fame for Excellence in Advising*  
**DeMond Miller**
- *Gary Hunter Award for Excellence in Mentoring*

## Grants

### External Grants

#### Ieva Zake

- Emerging Scholars Grant given by the Association for the Advancement of Baltic Studies, July 2009-July 2010. The grant was awarded to support my research on the American Latvian community. The research resulted in the book "American Latvians: Politics of a Refugee Community" which was published by Transaction Publishers in 2010. \$4,000.00
- Grant-in-Aid given by the Immigration History Research Center, University of Minnesota, 2009-2010, \$250.00.

## Scholarly Activities

### Publications

#### Books

#### Mary Gallant

- *Gender and the Holocaust: Voicing the Voices of the Other* (Univ. of Washington Press, Seattle, WA, 2010). "Gender and the Holocaust," pp. 210-231.

#### Harriet Hartman

- *Gender and American Jews: Patterns in Work, Education, and Family in Contemporary Life* (UPNE/Brandeis Univ. Press, 2009), 298 pgs.

#### Sandra Jones

- *Coalition Building in the Anti-Death Penalty Movement: Privileged Morality, Race Realities* (Lexington Books, 2010), 301 pgs.

#### DeMond Miller

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

#### Ieva Zake

- *American Latvians: Politics of a Refugee Community* (Transaction Publishers, 2010), 230 pgs.

### Book Chapters

#### Mark Hutter

- *The Chicago School Diaspora: Epistemology and Substance* (McGill-Queens University Press (MQUP), Montreal, Quebec, 2010). "Urban Imagery, Tourism, and the Future of New Orleans," (with DeMond Miller).

#### DeMond Miller

- *The Chicago School Diaspora: Epistemology and Substance* (McGill-Queens University Press (MQUP), Montreal, Quebec, 2010). "Urban Imagery, Tourism, and the Future of New Orleans," (with Mark Hutter).
- *How Ethnically Marginalized Americans Cope with Catastrophic Disasters: Studies in Suffering and Resiliency* (Edwin Mellon Press, Lewiston, NY, 2010). "Native Americans, Disasters, and the U.S. Government: Where Responsibility Lies," (with Clem Durham), "Latino Experiences with Disaster," pp. 1-12 (Introduction); 17-36; 245-248.

- *Color Struck: Essays on Race and Ethnicity in Global Perspective* (Univ. Press of America, Lanham, MD, 2010). "Mixed Raced Terminologies in the America: Globalizing the Creole in the Twenty First Century," (with Jason Rivera and Joel Yelin), pp. 229-244.

**Ieva Zake**

- *Multiplicity of Nationalism in Contemporary Europe* (Rowman & Littlefield, Lanham, MD, 2009). "Nationalism and Statism in Latvia: the Past and Current Trends," pp. 195-212.

*Periodicals*

**Harriet Hartman**

- *Spousal Similarity in Occupational Status and Rewards: Intersections of Religion/Ethnicity, Remarriage and Intermarriage* (International Review of Modern Sociology, Spring 2009), pp. 1-24.

**Yuhui Li**

- *Notes on the Chinese Government's Handling of the Urumqi Riot in Xinjiang* (The China and Eurasia Forum Quarterly, Dec. 2009), pp. 11-16.
- *Regional and Urban/Rural Differences of Public Health in China* (Global Journal of Health Science, April 2010), pp. 20-30.
- *Modeling the Effects of Macro-Measures on Elder Health in China: A 'Fresh Sample' Approach* (Global Journal of Health Science, April 2010), pp. 8-19.
- *From a Junken City to a Showcase City – The Formation and Development of the City of Shibezi in Xinjiang Uygur Autonomous Region in China* (The China and Eurasia Forum Quarterly, 2010), pp. 47-63.

**Ieva Zake**

- *The Secret Nazi Network' and Post-World War II Latvian Émigrés in the United States* (Journal of Baltic Studies, 2010), pp. 89-115.

*Other Publications*

**Allison Carter**

- *Mind*. Encyclopedia entry in the Concise Blackwell Encyclopedia of Sociology, G. Ritzer and J. M. Ryan, eds. Wiley/Blackwell Pub, 2010.
- *Generalized Other*. Encyclopedia entry in the Concise Blackwell Encyclopedia of Sociology. Wiley/Blackwell Publishers (In Press).
- *Social Psychological Aspects of Identity*. Encyclopedia entry in the Concise Blackwell Encyclopedia of Sociology. Wiley/Blackwell Publishers (In Press).

**Harriet Hartman**

- *Back to School: Jewish Day School in the Lives of Adult Jews* (Review of Religious Research, 2009), Book Review.

**Mark Hutter**

- *History of Family Analyses*. Encyclopedia entry in the Concise Blackwell Encyclopedia of Sociology. Wiley/Blackwell Publishers (In Press).

**Yuhui Li**

- *The Impact of the Earthquake in Haiti on the Immigration Law in the U.S.* (Chinese Social Sciences Today, 2010), pg. 14, Essay published in Chinese.
- *Reflections Derived from the Research on 'New Qing History' in the U.S.* (Chinese Studies in History, Winter 2009), pp. 92-96, Translation from Chinese into English.

**DeMond Miller**

- *Handbook of Disaster and Emergency Policies and Institutions* (Disasters: the International Journal of Disaster Studies, Policy and Management), pp. 586-588, Book Review.

**Ieva Zake**

- *Exile Mission: The Polish Political Diaspora and Polish Americans, 1939-1956* (Journal of American Ethnic History, 2009), pp. 117-119, Book Review.
- *Past in the Making: Historical Revisionism in Central Europe after 1989* (Journal of Baltic Studies, 2009), pp. 267-271, Book Review.
- *Nazi/Soviet Disinformation about the Holocaust in Nazi-Occupied Latvia: Daugavas Vanagi: Who are They? – Revisited* (Nordost-Archiv (Germany), 2009), pp. 347-351, Book Review.

*Conference Activity*

**James Abbott**

- *The Rise, Fall and Resurrection of an Urban Village: Queen Village of Philadelphia* (Society for the Study of Symbolic Interaction, San Francisco, CA, August 2009).

**Allison Carter**

- *Bakhtin and Pleasure: Reading Politically Incorrect Masculine Comedy, Part 1* (Eastern Sociological Society Annual Meeting, Boston, MA, 2010).

**Jay Chaskes**

- *Out of a Coma and into a Wheelchair: Social and Physical Accessibility and the Construction of Disabled Identity* (Society for the Study of Symbolic Interaction, San Francisco, CA, August 2009), 08/10/09.
- *Understanding and Assisting Students with Disabilities* (with MaryBeth Walpole) (American College Personnel Association, Boston, MA, March 2010), 03/21/10.

**Mary Gallant**

- *Anti-Nazi Religious Resistance in Germany 1933-45: the Jehovah's Witnesses and the German Church Struggle* (Wroxton Symposium on the Holocaust, Oxfordshire, UK, June, 2010), 06/28/10.
- *Institutional Structure and Collective Memory after Genocide: Lessons from the Holocaust* (Annual Scholars Conference on the Holocaust, St. Joseph's University, Philadelphia, PA, March 2010), 03/08/10.
- *Allied Soldiers and the Saving of History: Bergen-Belsen* (Military Ethics: WWII and the Holocaust, United States Holocaust Memorial Museum, Washington, DC, Dec. 2009), 12/8/09.
- *Exploring the Concept Collective Memory* (American Sociological Association, Peace and Conflict Session, San Francisco, CA, August, 2009). (Published on-line in ASA Archives).

**Harriet Hartman**

- *Jewish Identity and Secular Achievements of American Jewish Men and Women* (with Moshe Hartman) (American Sociological Association Annual Meeting, August, 2009), 08/11/09.

**Mark Hutter**

- *Disaster Tourism and the Post-Katrina Redevelopment of New Orleans* (with D. Miller) (Society for the Study of Symbolic Interaction Meetings, San Francisco, CA, August 2009).

**Sandra Jones**

- *Race and the Anti-Death Penalty Movement in the Age of Obama* (Annual Conference of the Association of Applied and Clinical Sociology, San Antonio, TX, October 2009), 10/10/09.
- *Fighting for the Guilty Too* (Annual Conference of the Campaign to End the Death Penalty, Chicago, IL, November 2009), 11/08/09.
- *Reducing the Social Harms of the Death Penalty: Integrating Activism with Research* (Annual Justice Studies Association Conference, Knoxville, TN, June 2010), 06/05/10.

**Yuhui Li**

- *Industrialization and Globalization of Cities in China's Frontier Area: the Case of Shibezi in Xinjiang* (Association for American Geographers, Washington, DC, April 2010).

**DeMond Miller**

- *Disaster Tourism and the Post-Katrina Redevelopment of New Orleans* (with Mark Hutter) (Society for the Study of Symbolic Interaction, San Francisco, CA, August 2009).
- *Guiding Principles for Incorporating Environmental Equity in the Disaster Recovery Process: Environmental Justice and its Impact on Public Policy Decision Making* (with Jason Rivera and Joel Yelin) (Mid-South Sociological Association, Lafayette, LA, November 2009).
- *Mounting a Community-based Research Project: Lessons from the Field* (with Jason Rivera) (Mid-South Sociological Association, Lafayette, LA, November 2009).

**Ieva Zake**

- *The Multiple Fronts of the Cold War: Ethnic Anti-Communism* (National Convention of the American Association for the Advancement of Slavic Studies, Boston, MA, Nov. 2009), 11/15/09.
- *To Remember or Forget?: The Problem of Intellectuals in Lustration Debates* (Plenary presentation) (International Conference “Twenty Years after the Fall of the Berlin Wall: Democratization in Europe, Sept. 2009), 08/11/09.

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

**Mary Gallant**

- Invited Plenary Session Speaker, *Anti-Nazi Religious Resistance in Germany, 1933-45: the Jehovah’s Witnesses and the German Church Struggle* (Wroxton Symposium on the Holocaust, Oxfordshire, UK, June 2010), 06/26/10.
- Discussant of Book Chapter in *Military Ethics: WWII and the Holocaust*. The work in progress will be reviewed in-depth for Board of Directors approval at “A Sampling of Wroxton Writings,” Colloquy 3, Wroxton Symposium on the Holocaust, Oxfordshire, UK, 06/26/10.

**Harriet Hartman**

- Co-organizer and Chair, Association for Sociology of Religion/Association for Social Scientific Study of Jewry/North American Jewish Data Bank joint session, 08/10/09.
- Organizer and Chair, Association for Jewish Studies/Association for Social Scientific Study of Jewry joint session, 12/20/09.
- Panel Presenter, “Jewish Women and Work: A Panel Discussion,” Hadassah-Brandeis Institute, Brandeis University, Waltham, MA, 12/03/09.

**Mark Hutter**

- Organizer and Chair, Paper session, “Urban Imagery,” Society for the Study of Symbolic Interaction Annual Meetings, San Francisco, CA, 08/10/09.
- Organizer and Chair, Undergraduate Student Roundtable Session, “Urban Communities.” Sponsored by Alpha Kappa Delta, the International Sociology Honor Society at the Pacific Sociological Association Annual Meetings, San Francisco, CA, 04/10.
- Organizer and Chair, Paper session, “Urban Communities,” Pacific Sociological Association Annual Meetings, San Francisco, CA, 04/10.

*Attended Conferences*

**Mark Hutter**

- American Sociological Association Annual Meetings, San Francisco, CA, 08/09.
- National Council on Family Relations, San Francisco, CA, 11/09.

**Sandra Jones**

- Annual Conference of the National Coalition to Abolish the Death Penalty, Louisville, KY, 01/15-17/10.

*Other Scholarly Activity*

**Harriet Hartman**

- Reviewer, Wayne State Univ. Press manuscript, *Sex Roles (Journal)*, *Journal of engineering Education*, *Contemporary Jewry*, *Journal of Contemporary Religion*, *Sociology of Religion*, *Journal for the Social Scientific Study of Jewry*
- Outside Reviewer, Dissertation proposal, Bar-Ilan University (Ramat-Gan, Israel)
- President, Association for the Social Scientific Study of Jewry, 2005-present.

**Mark Hutter**

- Reviewer, *Symbolic Interaction*.
- Associate Editor, *Journal of Comparative Family Studies*.

**Sandra Jones**

- Arranged for three students to attend the Annual Conference of the Association of Applied and Clinical Sociology, San Antonio, TX, October 2009.
- Organized the First Annual Sociology Alumni Career Fair at Rowan on April 23, 2010
- Sponsored a Poster Session of Senior Seminar students enrolled in my Sociology of Death, Dying, and Bereavement class for Rowan Day, April 23, 2010.
- Organized the *Lynching Then, Lynching Now*, National Tour of the Campaign to End the Death Penalty, held at Rowan on February 12, 2010.

**DeMond Miller**

- Editorial Board (3 year term), *Sociological Spectrum*.
- Editorial Board (3 year term), *Journal of Applied Social Sciences*.

**Anthony Sommo**

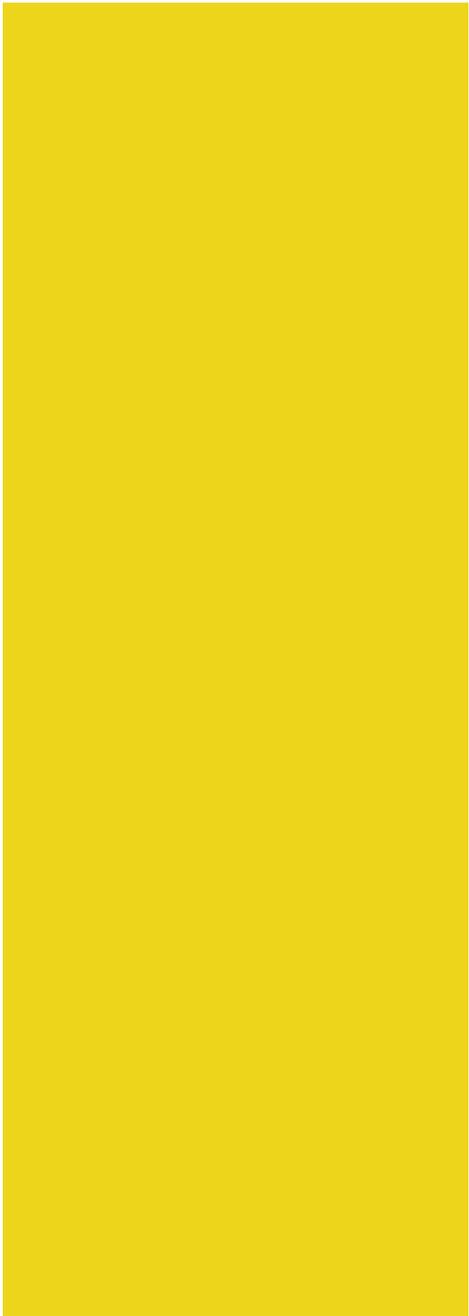
- Organized the Sociology Department's Annual Paper Contest.
- Sponsored a Poster Session of the department's Paper Contest finalists for Rowan Day, April 23, 2010.

**Ieva Zake**

- Guest Editor, *Journal of American Ethnic History*, Special Issues: "The Cold War and American Ethnic Groups."
- Invited presentation: "Latvian Anti-Communism: Past Lessons and Future Directions," Center of American Latvian Organizations, Washington, DC, 11/21/09.
- Invited presentation: "Latvians and Anti-Communism," Boston Latvian Community Center, Boston, MA, 11/15/09.



## Program & Center Reports



# *Africana Studies*

## Degree Programs

- B.A. in Africana Studies

## Minors/Concentrations

- Concentration in African American Studies

## Students

- Undergraduate Majors: 7 Majors, 33 Concentrators
- Number of 2009-10 students graduating with AAS Concentration: 21

## Strategic Goals for 2009-2014

### 2009-2010

- Increase the number of students in the major to 10; and the number of students in the concentration to twenty-five
- Host at least two co-curricular programs
- Develop a Strategic Plan and a Program Assessment Plan

### 2010-2014

- Recruit 15-20 majors and 15-20 concentrators during each academic year
- Expand the Africana Studies Foundation Account and negotiate for one full-time, tenure-track line for the program
- Host at least three co-curricular programs and implement program assessment on an ongoing basis

## Scholarly Activities

### *Publications*

#### **Ane Turner Johnson** (Educational Leadership)

- Reshaping academic capitalism to meet development priorities: The case of public universities in Kenya, Higher Education, accepted for publication in 2010.

### *Conference Activity*

#### **James Coaxum** (Educational Leadership)

- Coaxum, James & Ingram, T. (2009). *Fighting F.A.I.R. (feelings of alienation, isolation and racism): Using critical race theory to understand how racial microaggressions impact collegiate climate*. Association for the Study of Higher Education (ASHE) Annual Conference. Vancouver, British Columbia.
- Coaxum, James (Educational Leadership), Holloman, A., and Boone, C. (2010). *The impact of Black Greek letter organizations on student life*. Association for College Personnel Administrators 2010 Annual Convention. Boston, Massachusetts

#### **Corann Okorodudu**

- The Durban Review Conference: Assessing Progress and Further Actions, Symposium on Challenges of Eliminating Racism: The U.S. Election and Moving Forward, American Psychological Association Convention, August 9, 2009 (Corann Okorodudu).

#### **Ane Turner Johnson** (Educational Leadership)

- Agents in development: African higher education networks and policy entrepreneurship. Eastern Educational Research Association Annual Conference, 2010, Savannah, GA (Reshaping academic capitalism to meet development priorities: The case of public universities in Kenya, Association for the Study of Higher Education Annual Conference, 2009, Vancouver, British Columbia)

*Other Scholarly Activity*

- Africana Studies Advisory Group Members (about 50).
- Adoption of the Africana Studies Program By-Laws by the Africana Studies Council, December 2009.
- Advisor, Black Cultural League, 2009-2010 (Tanya Clark).
- Advisor, Council for Africana Studies, 2009-2010 (Corann Okorodudu).
- Advisor, NAACP
- Advisor, Kappa Alpha Psi Fraternity, Inc.
- Advisor, Phi Beta Sigma Fraternity, Inc. (James Coaxum, Educational Leadership)
- Completed the draft of the Africana Studies Short and Long-Range Strategic Plan, May 2010 (Corann Okorodudu, Sandy Jones).
- Elected to served on the University Senate Diversity Committee (3 members: Corann Okorodudu, Sandy Jones, Julie Mallory Church).
- Harley Flack Mentoring Program, mentors (several) & Advisory Board Members (3).
- Initiated Africana Studies Film & Discussion Series, “Good Hair”, March 30, 2010 (Chanelle Rose, Tanya Clark, Corann Okorodudu).
- Planned and coordinated Black History Month Program, February 2010 (JT Mills, Corann Okorodudu).
- Organized the Fourth Rosa Parks Commemorative Luncheon, Rowan University, February 22, 2010, featuring Christina Swarns, Director, Criminal Justice Project of the NAACP Legal Defense and Education Fund as the Rosa Parks Award Recipient (Denise Williams, Sandy Jones, Corann Okorodudu etc.).
- Organized the lecture, Remembering, Reclaiming, and Engaging the Dream to Freedom through Africana, February 24, 2010, featuring Dr. Gregory Carr, Director, African American Studies, Howard University (Corann Okorodudu).
- Organized a teach-in at Rowan University entitled “The Haiti You Should Know!”, March 1, 2010 (Corann Okorodudu, Chanelle Rose, Julie Mallory Church etc.)
- Presentation on “Diversity in Counseling” to Rowan University practicum and intern students, 2009 (Julie Mallory Church).
- Presentation on “In and Out of the Looking Glass Discovering Diversity”, to Rowan ASPIRE Student Leadership Retreat workshop, Fall 2009 (Julie Mallory Church).
- Rowan University Educational Leadership South Jersey Teacher Outreach Program Committee (Ane Johnson Turner).
- Served as Chair of the Psychology Department Diversity Committee (Corann Okorodudu).
- Served as Coordinator, Africana Studies Program, Spring 2010 (Corann Okorodudu).
- Served as Interim Coordinator, Africana Studies Program, Fall 2009 (Sandy Jones).
- Served on the Africana Studies Council, 2009-2010 (10 members).
- United Nations Non-Governmental Organization Representative for the Society for the Psychological Study of Social Issues, American Psychological Association, 2009-2010 (Corann Okorodudu).

**Notable student achievements**

- In 2009, Chanelle Wilson studied service learning and policy issues in Cape Town, South Africa, under a World Study Scholarship from Arcadia University. At the conclusion of her undergraduate studies in

2010, Chanelle was one of two Rowan seniors to be awarded a Fulbright Scholarship to teach English in South Africa.

- In 2008, Jedediah Blume was awarded a Fulbright-Hayes Grant through the University of Penn's Africana Studies Program to study Zulu language and culture in South Africa. Both Africana Studies students were Medallion Awardees with GPAs in the African American Studies Concentration of 3.7+ and an overall GPA of 3.8+.

# *American Studies*

## **Degree Program**

- B.A. in American Studies

## **Students**

- Undergraduate Majors: 240
- Number of 2009-10 graduating students: 60

## **Strategic Goals for 2009-2014**

### **2010-2014**

- Continue to work closely with the College of Education as they modify their majors so that American Studies remains an attractive dual major for those students
- Continue to work closely with the CLAS departments whose classes comprise the American Studies program so that new courses are incorporated and defunct courses removed from the AMST program in a timely way
- Continue to quickly respond to students' suggestions so that the program serves their needs

## **Faculty**

- Emily Blanck, Ph.D., Assistant Professor; Early American Constitutional History and Slavery (0.5% shared line with the Department of History)

## **Scholarly Activities**

### *Conference Activity*

#### **Diane Ashton**

- Presented: Citizenship and Slavery: Moving Beyond Persons and Property, San Francisco State Rights Conference, San Francisco State University, 09/17/09
- Conference Chair: Oh Freedom: Slavery in New Jersey, Kean University, 03/25/10
- Attended: Organization of American Historians, Washington, D.C. 04/09/10

## **Accomplishments**

- In Spring 2009, we completed our American Studies Program Review. The outside evaluator (from Ramapo University) stated that Rowan's American Studies program is one of the largest undergraduate programs of its kind in the country.

## **Notable Student Achievements**

- Laurel Hartmann, American Studies Student Research Award Winner, AY 2009-2010

# *Economics*

## **Degree Program**

- B.A. in Economics

## **Minors/Concentrations**

- Minor in Economics

## **Students**

- Undergraduate majors: 84
- Number of 2009-10 graduating students: 27

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Hire additional well-qualified adjunct faculty
- Determine future direction of Economics program

### **2010-2014**

- Consolidate Economics program with Political Science to form a newly named Department of Political Science and Economics, in place by Fall 2011
- Under direction of a Coordinator for Economics, begin the process of curricular reform and consistency in course standards
- Hire at least one new tenure-track faculty member

## **Faculty**

- Habib Jam, Ph.D.; Associate Professor
- Natalie Reaves, Ph.D.; Associate Professor

# *Exploratory Studies*

Jay Chaskes, Ph.D., Faculty Director  
Dorie Gilchrist, M.Ed., Program Coordinator

## **Students**

- Undergraduate Majors: 585

On January 7, 2009 the following Senate Resolution 081215-1 was ratified by the University Senate and approved by Provost Houshmand:

“Exploratory Studies provides an academic home for students with less than 60 credits that are not prepared to select a major. Students in the exploratory studies program are housed within the interdisciplinary center of the College of Liberal Arts and Sciences. Exploratory Studies students receive academic and professional advising from the CAP Center, but also have access to a professional staff coordinator and a faculty director of the program to assist in identifying majors of interest and facilitating the transition into the permanent major. Students may remain in exploratory studies until they have completed 60 credits (including all transfer credits). Students who have not selected a major at that time will be placed in Liberal Studies – Humanities and Social Sciences”.

“The Director of Exploratory Studies will be a tenured or tenure track faculty member, ideally from the College of Liberal Arts and Sciences. The duties of the director will include coordinating the academic development of the program, connecting the program with the existing first year experience, coordinating activities with the CAP Center and oversight of all academic issues associated with the program. The director will receive 3 credit hours of reassigned time per semester and will be expected to interact closely with the fulltime professional staff Coordinator of the program. The director will also control a budget (estimated at \$30,000 per year) to be used at his or her discretion to create sections of high-priority-classes.”

## **ESP PROGRAM DESIGN 2010-2011**

The director and coordinator of this program have invested considerable time into the “start up” activities for this program. The research, design and implementation were far more complex than we anticipated, requiring the coordination of a number of academic departments and programs. These programs are located in both Academic Affairs and Student Affairs.

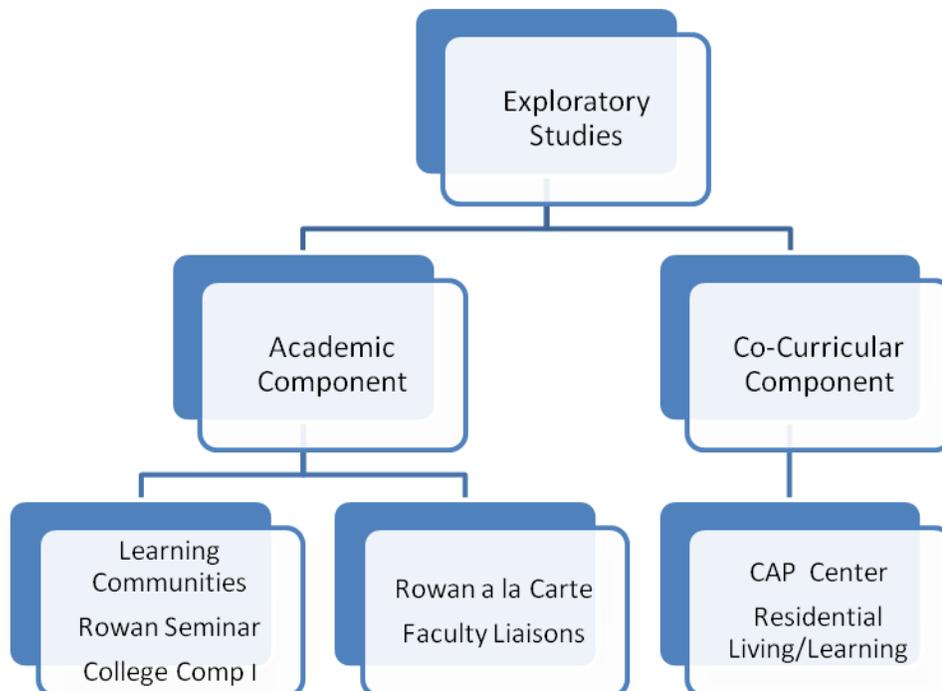
### **Tracking File**

A tracking file for each ESP student was created by EIS with elements specified by ESP and CAP Center staff. This tracking file provides benchmarks and indicators that will be used to evaluate, assess and inform ESP program staff. We also wish to explore the relationship between the academic major a student selects and their LCI profile. Our intention is to obtain a graduate student intern from the MA program in Higher Education who can do the data analysis we need. This tracking file will, over time, provide one of several possible avenues for program assessment.

### **Program Design**

The Exploratory Studies Program is a cooperative venture of the Divisions of Academic and Student Affairs. The program contains an academic and a co-curricular component (see Figure A below).

Figure A.



### Academic Component

Learning Communities. Undeclared students are immediately immersed in the program with their placement in a learning community composed of a Rowan Seminar general education course linked with a section of College Composition I (or Integrated College Composition I). This year we are piloting the learning community component, enrolling almost half of all four hundred incoming first-year ESP students in nine learning communities. The instructors in both courses will work to encourage their students to make effective use of the CAP resources as well as participate in the workshops to be offered by Residential Learning that specifically target ESP students. Professors are encouraged to create assignments that are related to student participation in CAP center and Residential workshop activities. Those not placed in a learning community were also assigned a Rowan Seminar and a first semester composition course commensurate with their tested skill level, but the two courses are not linked.

Rowan a la Carte. In conjunction with the director of the Faculty Center, we are designing and developing a three-credit course that will allow ESP students to sample various academic subjects in a cost and time-efficient manner. This credit-bearing general education course will be taken by ESP students in their second semester. This course will especially appeal to students who *are not* degree program aspirants or those who are already focused on some broad area of professional training such as business or education. However, these students will be invited to enroll also.

Faculty Liaisons. At the direction of the Provost, ESP staff and the Dean of CLAS, solicited faculty liaisons, who are listed on the ESP website, [www.rowan.edu/las/esp](http://www.rowan.edu/las/esp). These faculty members from each degree program are assigned the responsibility to be the individuals that any ESP student may seek out with questions about that program.

Students are encouraged to make effective use of this resource. We view the Faculty Liaisons as a valuable adjunct to the CAP Center's exploratory resources.

### **Co-curricular Component**

CAP Center The CAP Center plays a vital role mandated by the resolution creating the program. The Center is solely responsible to provide academic advising for all undecided students. In addition, the Center provides an array of resources for students to explore and identify academic majors and careers of interest, including self-assessment tools and online resources for exploring majors and careers. The Center also offers academic success workshops for ESP students only.

Residential Living and Residential Learning All new ESP students will be housed in the same residence hall, helping to create a sense of élan and mutual interest among the new ESP students. Additionally, those students in the learning communities will be given a series of workshops with topics suggested by ESP staff covering various aspects of academic advising and career exploration. We have scheduled their classes in such a way as to provide a common daytime period in which to hold these workshops. Because of space limitations in the residence halls, only those ESP students enrolled in one of the learning communities will participate in these workshops. These workshops will include how to make use of CAP Center resources, how to be an effective advisee and how to make the best use of the student's LCI profile. They will also feature a series of speakers who will discuss their careers and how they found them. These workshops will be staffed by the CAP Center and Residential Learning.

### **Other Program Components**

Training A day and a half training workshop for *all* Rowan Seminar faculty and for faculty in the first-year writing program who are part of learning communities was conducted as a cooperative endeavor of ESP, Rowan Seminar and the Faculty Center. In addition, on the second day of training we arranged with Let Me Learn, Inc. to conduct a four hour workshop on the use of the LCI for faculty participating in the training as well as for several Student Affairs staff. With the cooperation of the Faculty Center for Excellence in Teaching and Learning and the Rowan Seminar Program, another training workshop for faculty engaged in the university's First-Year Experience initiative is tentatively scheduled for January 2011.

Orientation The ESP leadership organized and conducted a workshop (with the CAP Center leadership) for parents of ESP students. In addition, the ESP leadership met with our students the second day of orientation prior to these students registering for the fall semester. The director explained the program design, its policies and procedures as well as the general principles of choosing an academic major and exploring career choice. The substance of the director's remarks will be repeated via email to every new ESP student before their October registration for spring semester.

The director and coordinator are pleased that we have accomplished what we set out achieve for our first year. This includes:

- developing a viable program design
- piloting and implementing the program design
- creating a tracking file for ESP students
- forming a cooperative relationships with vital campus program elements and services
- soliciting and crating a faculty liaison list for use by students
- creating an ESP website

# *The Frederic and Jean Edelman Planetarium*

**Keith Johnson**, Director

**Associate Faculty:**

Eddie Guerra, Associate Professor  
 David Klassen, Associate Professor  
 Karen Magee-Sauer, Professor

**Mission**

Fredric and Jean Edelman Planetarium is a university and public service facility on the campus of Rowan University. Our mission is to provide pedagogically sound and entertaining programs that educate the members of the Rowan community, the K-12 students of the region and the general public. We advance the understanding of the universe and serve as a public resource for astronomical information. Programs include elements of other natural sciences, education, communications and the fine and performing arts. Rowan students of all disciplines play a significant role in the planetarium and are able to enhance their skills relevant to their future careers. The planetarium provides a classroom for multimedia learning, an outlet for creative expression and a versatile domed theater.

**Summary**

Planetarium revenue and attendance were both lower this year than last; anecdotal evidence indicates this was largely a result of economic factors. A new type of public show, a family show, was quite successful. Plans for installation of a full-dome video system were made; funding was obtained; it is expected that this system will be available in Spring 2011.

**2009-10 Attendance**

Type of Show	Number of shows	Attendance
Public star show	28	849
Public laser show	25	969
Family show	6	391
School show	88	4,481
Scouts	8	446
Astronomy class	43	1,145
Special	19	756
Rowan misc.	17	606
<b>Totals</b>	<b>234</b>	<b>9,643</b>

### **Finances**

*General.* The planetarium collected over \$23,000 in admission fees from groups and individuals external to Rowan, including school field trips. Note that the planetarium continues to serve Rowan campus groups free of charge.

*Edelman school donation.* School-show income is our largest source of revenue. To help teachers fund field trips, Ric and Jean Edelman continue to provide funds for the admission fee of \$3 per person.

### **Projects**

*Family shows.* I began monthly family shows, intended for families with children 4-10 years old, on Sunday afternoons. These were quite successful, having an average attendance of 65 per show, so I plan to continue this in one form or another.

*Full-dome video.* This project has been a main focus of planning during the year, and by year's end was about to come to fruition. The Spitz corporation agreed to bring over the SciDome HD system, set it up in the Edelman theater, and demonstrate it for us in September as part of a meeting of the Philadelphia Area Planetarium Association. Members of the Physics and Astronomy department and other Rowan personnel attended this demonstration. The HD version has about twice the resolution and brightness of the previous version. This system will benefit our facility in all its areas of presentation. For the astronomy classes, I'll be able to demonstrate concepts that are difficult or impossible now (examples: the retrograde motion of Mars at various positions in its orbit; the layered distribution of various objects in our Milky Way; the changes in the circumpolar zone as one moves to different positions on the Earth). For school groups I will be able to take them to other planets to show them what conditions are like elsewhere; I'll show them any constellation I wish; I'll demonstrate the phases of the Moon; I'll show them the path of the Sun across the sky; all of which are now impossible. For the public audiences I'll have a variety of fully-rendered star shows from many producers featuring the latest astronomical research.

Thank you to Jean and Ric Edelman for the generous offer to fund the new system.

A description of the SciDome HD system can be found at [www.spitzinc.com/planetarium/scidome\\_hd.html](http://www.spitzinc.com/planetarium/scidome_hd.html).

## *Liberal Arts & Sciences Institute*

**Dr. DeMond S. Miller**, Director

### **Strategic Goals for 2009-2014**

#### **2009-2010**

- Identify new Jersey State Funding to which the LAS Institute's Units can apply
- Strengthen Departmental Alliances with Math, Psychology and Sociology

#### **2010-2014**

- Increase General funding that supports McSiip, EIP and Community Research (Dr. Miller)
- Expand the program and services of McSiip (Dr. Caldwell)
- Expand the program and services of EIP (Dr. Dihoff)

### **Faculty**

- DeMond S. Miller, Ph.D.; Professor; Sociology
- Janet Caldwell, Ph.D.; Professor; Mathematics Education
- Roberta Dihoff, Ph.D.; Professor; Clinical Psychology

### **Accomplishments**

- McSiip hosted approximately 40 workshops for math and science teachers
- EIP had approximately 100 clients this year

## *Liberal Studies: Math/Science*

### **Degree Programs**

- B.A. in Liberal Studies: Math/Science

### **Students**

- Undergraduate majors: 94
- Number of 2009-10 graduating students: 22

### **Strategic Goals for 2009-2014**

#### **2009-2010**

- Assemble an advisory board
- Admit more students into the new cohort earlier in the students' time at Rowan

#### **2010-2014**

- Assure or further develop cohesion among courses
- Assess usefulness of program as a coordinate major for elementary education
- Analyze the usefulness of 25 credits of free electives for single major students

### **Faculty**

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

# *Women & Gender Studies*

## **Minors/Concentrations**

- Concentration in Women & Gender Studies

## **Students**

- Undergraduate concentrators: 13

## **Strategic Goals for 2009-2014**

### **2009-2010**

- Increase student enrollment
- Increase campus visibility
- Update and maintain the WGS website

### **2010-2014**

- Expand course offerings
- Recruit and hire a dedicated WGS faculty member
- Seek outside funding for WGS programs and events

## **Faculty**

Please note: Due to the very large number of faculty involved with the WGS program, detailed information is provided below only for the faculty members on the program's executive body, the WGS Council. A list of the faculty members who comprise the larger WGS Advisory Board is also provided.

### *WGS Council Faculty Members*

(Staff members include Alicia Groatman, Admissions Specialist, and Marge Morris, Music Librarian)

- Corrine Blake, Ph.D., Associate Professor; Middle East and Ottoman History
- Tanya Clark, Ph.D., Assistant Professor; African-American Literature, Women Writers
- Andrew Hottle, Ph.D., Associate Professor; Early Modern European Art, Women Artists
- Melissa R. Klapper, Ph.D., Associate Professor; American Women's History, American Immigration and Ethnic History, Modern Jewish History
- Janet Lindman, Ph.D., Full Professor; American Women's History, American Religious History, Colonial History
- Deb Martin, Ph.D., Associate Professor; Writing Assessment and Pedagogy, Disability Studies
- Joel Rudin, Ph.D., Full Professor; Human Resources. Employment Practices
- Lee Talley, Ph.D., Associate Professor; Children's Literature, Victorian Literature
- Carol Thompson, Ph.D., Assistant Professor; Urban Education, Preservice Teachers, Learning Communities
- Ieva Zake, Ph.D., Associate Professor; American Ethnic Groups, Politics

### *Women's and Gender Studies Advisory Board Members*

- Arnold, Lorin (Communication Studies)
- Bornstein, Jodi (Teacher Education)
- Carter, Allison (Sociology)
- Cypher, Joy (Communication Studies)

- Farish, Maia (President's Office)
- Foglia, Wanda (Law & Justice)
- Gallant, Mary (Sociology)
- Hartman, Harriet (Sociology)
- Head, Linda (Electrical and Computer Engineering)
- Herberg, Erin (Writing Arts)
- Kammer, Cynthia (Psychological Services)
- Lancioni, Judith (Radio/TV/Film)
- Lund, Matthew (Philosophy/Religion)
- Magee-Sauer, Karen (Physics and Astronomy)
- Meredith, Corine Cadle (Teacher Education)
- Miller, Ellen (Philosophy/Religion)
- Okorodudu, Corann (Psychology)
- Parrish, Cathy (English)
- Pereles, Kathleen (Management & MIS)
- Rey, Julia Beth (CAP Center)
- Sudeck, Maria (Teacher Education)
- Sukumaran, Beena (Civil and Environmental Engineering)
- Vitto, Cindy (English)
- Wassell, Beth (Teacher Education)
- Wiltenburg, Joy (History)

#### **Notable Student Achievements**

- Students generally choose to report their notable achievements to their major departments. However, it is worth pointing out that three students delivered papers at the New Jersey Women's and Gender Studies Undergraduate Research Colloquium at The College of New Jersey on April 16, 2010. Notable WGS graduates this year include Elizabeth Palmer (SGA president), Kristen Brozina (recently profiled in the *New York Times*) and Jon Wood (recipient of an award from the Department of Writing Arts and Pride Month organizer).