Rensselaer’s International Scholars Program (ISP) Class 2 was even larger than the inaugural class, with twenty-two students participating in this exciting ten-week summer program. The students earned 40 percent of the requirements toward either a Rensselaer M.S. in Management degree or a Rensselaer M.S. in Information Technology degree during a global learning experience in Europe and Asia.

The group sailed aboard Cunard® Line’s Queen Mary 2® for the transatlantic journey from New York to Southampton, England. The students traveled next to Rome, Italy to study for four weeks, and then continued on to Shanghai, China for another four weeks. This life-changing experience was an accelerated career-building opportunity as the students prepared to make the transition from college to the working world.

Site visits in Rome included the IBM Software Lab, the Italian Civil Protection Headquarters, and the banking institution Cassa Depositi e Prestiti. The IBM tour and presentation highlighted the differences between the IBM culture in Italy and in the United States. Green computing and Cloud computing were also discussed. At Cassa Depositi e Prestiti, students compared the financial practices and government regulations in Italy to those in the U.S. The tour to the Italian Civil Protection Headquarters included visits to the emergency “war room,” the Italian Fire Brigade command center, the Italian Coast Guard command center, and the “situation room” used for major national and international crisis meetings.

ISP students also had the opportunity to explore ancient Roman ruins, Vatican City, and numerous historical architectural landmarks. Several local special guest speakers delivered lectures including Claudio Cilli, President, Rome Chapter of Central Italian Computing (ISACA – previously known as the Information Systems Audit and Control Association); Stefano Zatti, European Space Agency Security Manager; and Michael Thornton, from the European Program for Critical Infrastructure Protection (EPCIP).

Shanghai site visits were to Eastman Kodak, Accenture Innovation Center, Semiconductor Manufacturing International.

Applications are now being accepted for Class 30 of Rensselaer’s Executive Master’s Program (EMP), scheduled to begin in April 2010. The EMP is a 10-month master’s program focusing on global business leadership and enterprise-wide strategic management. Using a combination of interactive classroom sessions, special guest speakers, and visits to two international destinations (Brussels and Singapore in 2010), this program creates a unique, full-immersion experience for executives. Interested EMP candidates can learn more about the program at: www.emp.rpi.edu, by attending an EMP Open House, or by contacting Christa Sterling, Senior Program Manager, at 860-548-7842 or e-mail: sterlc@rpi.edu.
Alumni News

1960s
Charles A. Germain (’67 M.Eng. Electrical Engineering) of Carmel, New York, organized a walk for peace and prayer vigil to shed light on immigration reform in America. The event was held October 15 in Brewster to raise awareness of immigration reform in a civil, peaceful manner. Germain is a retired electrical engineer who previously worked for Con Edison.

1970s
William J. Luddy, Jr., J.D. (’74 M.S. Management), who served Rensselaer for over 34 years as a Clinical Professor in the Hartford Department of the Lally School of Management and Technology, was appointed to the Department of State’s Advisory Committee on Private International Law. Luddy was selected for his work in the field of global electronic commerce and related international business and trade law. The Committee is composed of national leaders from academia, industry, and government, and works closely with the Department as a group and through smaller specialized committees on issues of significant importance to US foreign trade and international business policies.

1980s
David A. Smith (’89 M.S. Management) was appointed Managing Director of Global Talent and Organization Performance Practice for Accenture in Hartford. The practice provides human resources, talent management, and learning solutions. Smith previously headed up the company’s North American talent and organization performance practice.

1990s
Susan B. Peters (’90 MBA), Senior Vice President, United Community and Family Services (UCFS) in Norwich, has been named the 2009 recipient of the Cornell Scott Award from the New England Clinicians Forum. The award honors managers and nonclinical personnel in the field of community-based health care operations for the needy and underprivileged. Peters has worked for UCFS for three years, where she oversees operations, quality of service control, and technology.

In Memoriam

Alumni

Graham Frederic Tuke (’99 MBA), of Beacon Falls, died on July 18. He worked at Sikorsky Aircraft for more than 28 years, where he was a product safety manager. Tuke was an A&P licensed mechanic and a fixed wing aircraft pilot. [Note: The A&P License is held by an aviation mechanic who has earned both the airframe and powerplant ratings.]

Student

Nicholas O. Marin, of Maine, died on August 14. He was a manufacturing engineer at Pratt & Whitney in North Berwick. Marin was pursuing a Rensselaer M.S. in Engineering Science as part of the Industrial Process Management (IPM) cohort program. He believed in doing everything in life at 100 percent and with a smile on his face.

Anthony DeMarco, of RAA Hartford Chapter, Receives Alumni Key Award

The Rensselaer Alumni Association (RAA) Awards Program recognizes alumni contributions in every area of volunteer work. The 2009 winners were formally recognized at a ceremony during Reunion & Homecoming weekend on the Troy campus on October 1. The Alumni Key Award recognizes outstanding service in support of Rensselaer’s advancement by alumni or friends. RAA Hartford Chapter Vice President, Career and Finance Programs, Anthony J. (Tony) DeMarco (’72 M.S. Management) of Manchester, received a 2009 Alumni Key Award for his efforts. Congratulations, Tony! A copy of his award will be added to the “Chapter Alumni Wall” on display at the beginning of the alumni Hall of Fame hallway located on Level 3 at the Hartford campus.

Updated Jeanne Clery Security Report

Issued annually, the document has information specific to the Hartford campus and Groton Site. Any questions should be directed to Paul J. Murphy, Director, Operations and Facilities, at 860-548-5392 or e-mail: murphp2@rpi.edu.
Hartford Campus Receives Continuation of CCAT Grant Award

Rensselaer at Hartford recently received a $100,000 grant for two years (2009-2010) from the Connecticut Center for Advanced Technology (CCAT) to assist them in investigating the challenges faced by aerospace suppliers when implementing virtual manufacturing in their shops. The current grant, “Modeling and Simulation of Metal Manufacturing Operations for Supply Chain Improvement,” is a continuation of one received for the period 2006-2008 that focused on machining modeling. This time around, while continuing work on machining, attention will also be devoted to metal casting and metal forming.

Rensselaer Clinical Associate Professor, Ernesto Gutierrez-Miravete, Ph.D., Department of Engineering and Science, said, “As more mature manufacturing process simulators for casting, forming, welding, machining, etcetera, have become available and with the increasing power of desktop PCs, virtual manufacturing is becoming a reality. This approach has the potential of replacing some costly prototyping and plat trials by computer-guided experimentation. Engineers can thus focus experimental efforts on the more promising product and process designs deduced from computer simulations.”

A paper entitled, “The Digital Age of Manufacturing: Making modeling and simulation make sense to manufacturers,” by Brian Kindilien, Modeling and Simulation Technical Specialist, CCAT (www.ccat.us), emphasizes that these elements are not a futuristic view, but are being used now by supply chain manufacturers, educational institutions, CCAT, and other companies. He highlighted a project for a Connecticut supply chain manufacturer involving an effort to reduce the roughing machine process for the aerospace industry. By using machining process analysis software to determine feeds and speeds, the result was a 10-50% (depending on application) decrease in roughing cycle times.

Dr. Anthony Dennis, a CCAT technology specialist and Rensselaer adjunct professor, spoke about the encouraging results: “Using physics-based machining process modeling software and people from United Technologies Research Center and Rensselaer Polytechnic Institute at Hartford, we not only proved the viability of the software but provided remarkable improvements in the machining efficiency of the supplier.”

Rensselaer Making Strides Walk Team

For the ninth consecutive year, Rensselaer formed a walk team for the American Cancer Society’s Making Strides Against Breast Cancer Walk held October 18 at Hartford’s Bushnell Park. The Rensselaer team raised $1,190. Pictured here are team members: (left to right) Ashley Kramer, Sue Kramer, Donna Hechler, Adam Hechler, Jen Carone, Armani Turner, and Amber Carone. Not pictured are Greg Sparzo, Dianne Sparzo, Tomas Sparzo, Traymeshia Story, and Deja Story. Thank you to everyone who participated in the walk, and to all those who contributed to this fundraising event.

President Jackson Honored by “O” Magazine

The September 2009 edition of O (The Oprah Magazine) features its first-ever “power list” of “20 remarkable visionaries who are flexing their muscles in business and finance, politics and justice, science and the arts.” Among the 20 luminaries is Rensselaer President Shirley Ann Jackson.

“Quick — think of a woman whose name is synonymous with science,” the magazine says. “For a century, the only option was Marie Curie, but the name on the lips of future generations may well be Shirley Ann Jackson. Her résumé is a catalog of firsts: first African-American woman to earn a doctorate from MIT. First woman and first African-American to chair the U.S. Nuclear Regulatory Commission. First African-American woman to lead a national research university (Rensselaer Polytechnic Institute, where applications have doubled in the past four years).”

The magazine asked President Jackson to devise and explain a “formula for power” for the article, and she offered this advice to readers: “Follow your passion with persistence, magnified by intense preparation. Use compassion and courage to weave a strong web of connections. Use focused excellence to drive achievements and gain wisdom. It is through the combination of all these things that your power will reveal itself.”

To read the article and view the formula, go to: www.oprah.com/slideshow/omagazine/200909-omag-power-list/9.

Book Buyback

December 16-18
11 a.m. – 6 p.m.
Located at the Front Desk on Level 3 Rensselaer Hartford Campus

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Faculty News

Ernesto Gutierrez-Miravete, Ph.D., Clinical Associate Professor, Department of Engineering and Science, was invited to give a short intensive course on “Finite Element Modeling of Engineering Systems with COMSOL,” by the Center for Research and Advanced Studies in Saltillo, Mexico, from July 13-15. The objective of the workshop was to illustrate the application of the finite element method embedded in the software COMSOL to the modeling and analysis of a variety of systems of engineering interests. To read more about the topic, please visit: www ewp rpi edu/hartford ~ ernesto Su2009/ CINVESTAV /

Dr. Gutierrez-Miravete and Adjunct Engineering Professor, Sudhangshu Bose, Ph.D., also attended the “Materials for Energy” symposium held at the Materials Processing Center at the Massachusetts Institute of Technology (MIT) in Cambridge, on October 7. They learned about how new materials are playing critical roles in the development of new sources for renewable and clean energy, as well as in energy conservation.

Randall G. Peters, J.D., Clinical Associate Professor, Lally School of Management and Technology, gave a presentation on the subject of “Investing During an Economic Crisis” to the Pratt & Whitney’s Women’s Forum on October 27. Rensselaer alumna, Christine McGowan (’00 M.S. Management, ’07 MBA-WEMBA Class 16), Business Manager, Pratt & Whitney, arranged the presentation. Professor Peters gave a similar presentation at Aetna in August.

James P. Stodder, Ph.D., Clinical Associate Professor, Lally School of Management and Technology, had his article, “Complementary credit networks and macroeconomic stability: Switzerland’s Wirtschaftring” published in the October 2009, Volume 72, Issue 1, Journal of Economic Behavior and Organization. The abstract notes, “The Swiss Wirtschaftring, or WIR, (‘Economic Circle’) credit network, founded in 1934,…is highly counter-cyclical. Individuals are cash-short in a recession, and economize by greater use of WIR-credits….Such credit networks play a stabilizing role that should be considered in monetary policy.” For more information, please visit the publisher’s web site at: doi:10.1016/j.jebo.2009.06.002.

Dr. Stodder had his Op-Ed piece “Seeing Right Through Our Own Great Wall” published in the Hartford Courant on August 14. To read Professor Stodder’s piece, go to: www ewp rpi edu/hartford ~ stodder/GreatWall Final.htm. He was also quoted in the article “Income Gap Separating Wealthy from Middle and Lower Class Virtually Unchanged in the State,” published in the Hartford Courant on October 6. To read Professor Stodder’s quote, please see: www courant com/news/connecticut/hc-census disparity-1006.ar.toct06,0,5151208.story and scroll to the bottom of the story.

Venkat Venkateswaran, Ph.D., Clinical Associate Professor, Department of Engineering and Science, attended the Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting and Conference held October 11-14 in San Diego. He presented a paper at the data mining applications session entitled, “Classifying Services by Customer Specified Performance Dimensions,” co-authored by John Maleyeff, Ph.D., Clinical Professor, Lally School of Management and Technology. According to the abstract: “We study a classification method where services are grouped by dimensions of performance important to customers rather than commonality of process characteristics…Implications for service innovation and staffing are discussed.” To learn more about the conference, please see: meetings informs org/sandiego09/.

Cole Library News

IEEE Xplore Access Restored

Access to the high quality journals and proceedings of the IEEE (Institute of Electrical and Electronics Engineers) via IEEE Xplore has been restored. IEEE Xplore covers developments in electrical engineering, computer science, and electronics. The database can be accessed through the “Select a database…” pull-down menu at: www ewp rpi edu/library.

Facebook

The Cole Library now has a presence on Facebook! We are posting timely research related links and announcements, search tips, and other useful information. We urge you to become fans and let us know what you think. Search for “Cole Library” from your Facebook account; or for a preliminary look if you are not a Facebook member, click the Facebook button on the library home page: www ewp rpi edu/hartford/library/. Thank you to Linda M. Knaack, Instructional Services Librarian, for setting the Cole Library up on Facebook.

SPIE Access Restored

Access to the SPIE Digital Library has also been restored. It offers extensive resources on optics and photonics in full-text papers from SPIE Journals and Proceedings published since 1998 as well as citations and abstracts for most SPIE papers published since 1990.

ISP 2009

Continued from page 1

Corporation (SMIC), and the port of Shanghai. The Kodak tour included a visit to the design and manufacturing facilities with a focus on Lean production techniques, a discussion on outsourcing decisions, and a look at the challenges faced during global design and development efforts. Hands-on interaction with Accenture consultants addressed marketing and service innovation taking into account the cultural differences in Chinese and American consumers, and the use of new emerging technologies. The presentation at SMIC, the third largest worldwide fabricator of silicon wafers, focused on the international relationships with suppliers, employers, and customers.

Professor Li Hong Yu of Fudan University, guest lectured on supply chain management. Ken Kaminsky, Director of Value Engineering, SAP North Asia (SAP is the world’s largest business software company), was also a special guest presenter. And ISP students heard from Rensselaer alumna Yan (Sarah) Xu (’99 MBA), Co-Founder and Chief Executive Officer, Runitian Outdoor Manufacturing Co. Some of the students explored the classical Chinese garden, Yú Yuán; the “Venice of the East,” Suzhou; and traveled to Beijing.

Of the twenty-two students in ISP Class 2, nineteen of them are continuing their studies at Rensselaer to finish their Master’s degrees. Applications are currently being accepted for ISP Class 3. A new Energy Systems curriculum has been developed as part of earning an M.S. in Engineering Science. For more information, please visit: www ewp rpi edu/isp.
Hartford Campus Student, Professor, and Alumni at COMSOL Conference

Two recent graduates from the Mechanical Engineering program at Rensselaer’s Hartford Campus, Nathaniel D. Barnett (’08 M.S.) and Jessica Lyn Michalski (’09 M.S.); current Hartford campus student James Nathan Streeter, studying toward an M.S. in Mechanical Engineering; and Ernesto Gutierrez-Miravete, Ph.D., Clinical Associate Professor, Department of Engineering and Science, all attended the COMSOL Conference 2009 held in Boston, October 8-10, and presented their work. The conference (www.comsol.com/conference2009/usa/) brings together engineers from a broad spectrum of industries to unveil state-of-the-art achievements in multiphysics simulation.

Rensselaer at Hartford Employees Honored with Service Awards

Rensselaer at Hartford staff members were recognized at the annual Employee Service Recognition and Retirement Dinner held August 28 at the Desmond Hotel and Conference Center in Albany, New York. Rensselaer President Shirley Ann Jackson, Ph.D., and John A. Minasian, Ph.D., Vice President and Dean, Rensselaer at Hartford, recognized each employee and presented anniversary gifts. Incremental five-year service awards were given to the following employees:

Five Years of Service
- Barbara Grady, Evening Receptionist, Administrative Services

Ten Years of Service
- Doria DiNino, Programmer/Analyst, Administrative Systems, Technical and Information Services
- Patricia O’Brien, Payroll/Benefits Coordinator, Financial Services
- Lloyd Omphroy, Audio Video Production Engineer, Distributed Education and Multimedia

Fifteen Years of Service
- Carol Flynn, Acquisitions Librarian, The Cole Library
- Lorraine Kammerer, Operations Manager, Office of the Vice President and Dean

Twenty Years of Service
- Karen Silva, Multimedia Producer/Operations Coordinator, Distributed Education and Multimedia

Twenty-Five Years of Service
- Anita Sladyk, Administrative Assistant I, Office of the Vice President and Dean

New Leadership Infusion Program

A new noncredit program is being introduced in Hartford and Groton and is open to all Rensselaer graduate students and alumni. The five-day Leadership Infusion Program is designed to complement a master’s education with critical leadership and interpersonal skills to enhance success in the classroom and beyond. In this program, participants will increase self-awareness, emotional intelligence, and potential for growth; gain the confidence needed to deliver outstanding presentations and lead projects; and earn a Leadership Certificate upon completion.

Topics to be covered include:
- Leading Change: How does a person with significant scientific, engineering, and/or managerial competence make a successful transition to being an effective leader?
- Emotional and Social Intelligence, Appreciative Leadership: What is the path for leveraging the strengths of your colleagues for innovative and successful performance?
- Coaching, Managing Conflict, Leading Teams: How do you become more comfortable and skilled with the interpersonal challenges of leading a team or organization?

The schedule for this five-day program will be presented as one, 2-day session and one, 3-day session; with all sessions meeting 8:30 a.m. to 5 p.m. The next Leadership Infusion Program session dates are February 3-4 and March 3-5, 2010 at Rensselaer’s Hartford Campus, and February 18-19 and March 22-24, 2010 at Rensselaer’s Groton Site. The program cost, including all materials, is $4000 for the general public, but special pricing for Rensselaer graduate students is $2000. (Please note that this is a noncredit program and will not count as credit toward a master’s degree.)

A detailed agenda and more information about the program are available online at: www.euw.rpi.edu. Contact Michael Bozzi, Program Manager, at (800) 433-4723, ext. 5347, or e-mail: bozzim@rpi.edu to register and learn more about the program.
Rensselaer Once Again Ranks Among the Nation’s Top 50 Universities

For the 10th year in a row, Rensselaer Polytechnic Institute has been named among the top 50 universities in the nation, according to the annual U.S. News & World Report list of “America’s Best Colleges.” The Institute is ranked 42nd among all national universities in the 2010 guide. Since 2000, Rensselaer has risen in rankings related to student success, education, and achievement.

Christine McGowan (left) (‘00 M.S. Management, ‘07 MBA-WEMBA Class 16), Business Manager, Pratt & Whitney, arranged for a presentation on the subject of “Investing During an Economic Crisis” to the Pratt & Whitney’s Women’s Forum on October 27 by Randall G. Peteros, J.D., (center) Clinical Associate Professor, Lally School of Management and Technology. Also in attendance was Christa A. Sterling (right) (‘95 MBA), Senior Program Manager, Enrollment Management, Rensselaer Hartford Campus.

2009 H1N1 Influenza

The RPI Alert H1N1 web site at: www.rpi.edu/about/flu/index.html is updated with the latest news and information and reminds all students, faculty, staff, and visitors on campus to follow these recommendations:

• Wash your hands often, especially after shaking hands with others (hand disinfectants may be used if there is no access to soap and water);
• Avoid close contact with people who are sick;
• Cover your mouth and nose with a tissue when coughing or sneezing;
• Cover your mouth and nose with the inside of your elbow if you do not have a tissue;
• Do not touch your eyes, nose, or mouth, especially after contact with others; and
• Keep a three-foot distance between yourself and anyone who is ill.

President Jackson Interviewed on CNBC’s Power Lunch

Rensselaer President Shirley Ann Jackson was interviewed by Michelle Caruso-Cabrera on CNBC’s Power Lunch from the Innovation Economy Conference in Washington, D.C., on December 1, giving her insight on business innovation. To watch the CNBC video, please see: www.cnbc.com/id/15840232?video=1347342108&play=1.

EMP Class XXIX graduates (left to right) David Fennell, Tom Hesse, Paula Hankard, Matt Soucie, and Chuck VanEtten, celebrate at Cugino’s Restaurant.

Spring Licensing Exam Review Programs

Rensselaer will offer licensing exam review programs for the Professional Engineers and Land Surveyors Licensing Examinations to be held April 16, 2010. Preparatory classes begin in January with evening sessions held at Rensselaer’s Hartford Campus. The review programs cover the Fundamentals in Engineering (EIT) Exam; Civil, Mechanical, and Principals and Practices (PE) Exams; as well as the Land Surveyors Exam.

Early registration is recommended since classes fill up quickly. The course fee includes all teaching materials. The programs are approved for VA benefits. To learn more about the review programs, please call 860-548-2472, fax 860-548-7999, or e-mail: krames2@rpi.edu. Additional information, a schedule of courses, and online registration forms are available at: www.ewp.rpi.edu/pe. Start dates for the exam review programs are as follows:

• January 11, PE01: Fundamentals of Engineering (EIT)
• January 19, PE02: Civil Engineering - Principles & Practices
• January 28, PE03: Mechanical Engineering - Principles & Practices
• January 28, LS01: Land Surveyor Exam Review (LS)

Rensselaer’s Hartford Campus has prepared thousands of engineers to pass the standardized examinations offered by the National Council of Examiners for Engineering and Surveying (NCEES). Experts in each of the specific engineering areas review and solve problems judged to be representative of the type and complexity encountered on the exam. Please note: the success of our students has made Rensselaer at Hartford’s PE and LS programs the most popular of its kind in the area. If you do not pass the state exam after taking one of our review programs, you can retake the same program one time at no additional charge.