Upcoming Events

• COEIT Open House. February 20 at UMBC Engineering Bldg Atrium.
  UMBC offers an open house program just for prospective transfer students in the fall. Prospective transfer students
  have the opportunity to learn about admissions, financial aid, scholarships and program offerings and to meet
  faculty, staff and students.

• Visionaries in Information Technology. February 23, 7:30-9:00 AM at BWI Airport Marriott.
  Featured Speaker: Charles Croom, Vice President of Cyber Security Solutions, Lockheed Martin Information Sys-
  tems & Global Solutions. For more information, and to RSVP visit web site: www.umbc.edu/visionaries

• Women in Technology: Spring into Leadership Event. April 5, 6:30-8:00 PM at UMBC UC Ballroom.
  Develop your inner leader! Expand your social network! Cultivate new opportunities! Keynote by Ms. Myra Norton,
  CEO Community Analytics. For more information, and to RSVP visit web site: http://my.umbc.edu/groups/cwit/spotlights/4324

• Cyber Security Information Session. April 6, Noon-1:00 PM at UMBC Lecture Hall 7.
  Whether you already have a degree in a technical discipline or are seeking to enter the cyber security field from
  another profession, UMBC’s new cybersecurity graduate programs will help you pursue new opportunities in cyber-
  security marketplace. To learn more information and to register for the session: http://www.umbc.edu/cyber/

• Systems Engineering & Engineering Management Information Session. April 13, Noon-1:00 PM at
  UMBC ITE Bldg. Room 456.
  Are you interested in taking your engineering career to the next level? Do you want to improve your technical
  skills, as well as your managerial and business skills? Then you may want to consider UMBC’s Master of Science in
  Engineering Management or Certificate in Engineering Management. Visit the web site to learn more information
  and to register for the session: http://www.umbc.edu/engm/

Welcome to the College of Engineering & Information Technology

COEIT and UMBC are dedicated to research, innovation, and education. The College works in partnership with state and federal agencies and industry to promote the transfer of research applications that benefit society. We distinguish ourselves by our continued commitment to cross-disciplinary research and education. We provide outstanding education opportunities to graduate and undergraduate students to contribute to the professional workforce in engineering, computer science, and information systems.

New Department in the College

From Elliot Hirshman, UMBC Provost

We are extremely pleased to announce the formation of our new Department of Chemical, Biochemical and Environmental Engineering (CBE) in the College of Engineering and Information Technology. This new department is a merger of our Department of Civil and Environmental Engineering (CEE) and our Department of Chemical and Biochemical Engineering (CBE). Julia Ross, current chair of CBE, will chair the new department.

This merger will expand our research and educational capabilities in our priority area of environment and sustainability. CBE will offer a new track in environmental engineering as part of the chemical engineering major and will provide opportunities to expand our research programs at the interface of biochemical and environmental engineering. The department will continue to offer our highly-regarded M.S. and Ph.D. degrees in biochemical engineering and civil engineering.

We would like to thank Julia Ross, current Chair of CBE and Brian Reed, the Lillian and Willard Hackerman Chair in Engineering and the current chair of CEE, as well as all of the faculty and staff of the two departments and the members of the Faculty Senate for their efforts and input in the formation of the new department. Administrative and operational aspects of the merger will begin immediately and will be completed by the conclusion of FY11.
COEIT Faculty in the News

COEIT Faculty members are recognized for their contributions and achievements.

2011 Alvarez Scholarship in Engineering

When Jean Rittermann decided to make a contribution to the community, she didn’t go far for inspiration. As president of the company begun by her father, Ms. Rittermann wanted to do something in honor of the passions her father instilled in her: respect for hard work, interest in engineering and the importance of education.

The Alvarez Scholarship in Engineering, which is named for Rittermann’s father, brings all those qualities together in one unique monetary award. This year’s recipient of the Alvarez Scholarship is currently a PhD student at the University of Wisconsin-Madison, studying Chemical and Biochemical Engineering.

Congratulations to students who received an NSF Graduate Research Fellowship Program 2011 awards. This year a current graduate student (also an under-graduate alumni) and two recent alumni were honored: Kavita Prerobti Krishnaswamy (97 Computer Science and Mathemat-ics) is currently a M.S. student at UMBC, studying Computer Science. Malcolm Taylor (‘08 Computer Engineer- ing) is currently a PhD student at Carnegie-Mellon University studying Electrical and Electronic Engineering-Circuits & Systems. Hannah Kathryn Wilson (’10 Chemical Engineering) is currently a PhD student at the University of Wisconsin-Madison, studying Chemical and Biochemical Engineering.

Brian Wayman (MechE BS ’99), GE Healthcare, is currently part of a team launching enhanced seals for Graftol Omnimed™, an incubator/warmer for premature babies. The enhanced seals allow NICU staff to remove, clean, and replace the seals without the use of tools. Brian also holds a MS and PhD in Mechanical Engineering from Georgia Institute of Technology.

Hugues Jean (ElectE BS ’03, PhD ’11) and Clifford Muse (BS BS ’11) returned to Haiti in March 2010, to fulfill their grandfather’s last request of them. He was dying of cancer, and he asked that at his funeral they celebrate his life and “find the joy.” The brothers missed their grandfather’s funeral when the earthquake made travel to Port-au-Prince impossible.

They have completed his first year as Editor-in-Chief for The Inter-national Journal of Computational Models and Algorithms (IJCAMM). IJCAMM covers methods for organ-izing, retrieving, managing, and discovering data found in medi- cine, and also includes articles that deal with different types of data such as numeric, text, temporal, spatial, and multimedia.

Van Pong (Prof. of Computer Science & Electrical Engineer- ing) received a $515,000 research award from National Institute of Standards and Technology support work on “Integration Testing in Supply Chain Logistics’” in the coming year. The research is focused on improving the systems that companies use to exchange and process information on services, products, orders, and trans-portation.

Hilol Kargupta (Prof. of Computer Science & Electrical Engineering) has been elected fellow of the IEEE. The IEEE elevates members to the grade of Fellow for “unusual distinction in the profes-sion” and only for people “with an extra-ordinary record of accom-plishments in any IEEE fields of interest.” The number of new fellows in any year is limited to at most one-tenth of one percent of the total membership. Dr. Kargupta’s research focuses on distributed data mining that explores technology for data analysis in distributed environ-ments where data cannot be centralized for a variety of reasons, including organizational, performance or privacy.

Yelena Yesha (Prof. of Computer Science & Electrical Engineer-ing) is one of three researchers honored with the Special Contri-bution Award at IBM’s 2010 Center for Advanced Studies Conference in December. This award recognizes CAS Research Visiting Scientists who have been instrumental in enabling the publication of the first volume of the CAS Book Series.

Yun Peng (Prof. of Computer Science & Electrical Engineer- ing) has completed his first year as Editor-in-Chief for The Inter-national Journal of Computational Models and Algorithms (IJCAMM). IJCAMM covers methods for organ-izing, retrieving, managing, and discovering data found in medi- cine, and also includes articles that deal with different types of data such as numeric, text, temporal, spatial, and multimedia.

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Brendan Taylor (MechE BS ’98, ME ’01) and four Northrop Grumman employees were honored at the Annual Society of Women Engineers (SWE) conference in November 2010. Phillips was honored as a future leader in construction and manufacturing.

As the enterprise product team leader for the design and manu-facturability of next-generation transmit/receive modules at the company’s Electronic Systems sector in Baltimore, she is responsible for balancing thermal, power handling, cost, producibility and electrical requirements in the development of advanced electronic components.

Helen M. Phillips (ME ’98 BS; ME ’01 MS) and four Northrop Grumman employees were honored at the Annual Society of Women Engineers (SWE) conference in November 2010. Phillips was honored as a future leader in construction and manufacturing.

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We Want to Hear from You!

Share your news and accomplishments with us. To submit your news or to include it in future issues of the COEIT Newsletter, you can do so by sending us an e-mail to: coeit@umbc.edu.

For more information, including news and events, in the College of Engineering and Information Technology, visit our web site: http://coeit.umbc.edu/