Department and School News and Kudos

- **Biomedical Engineering Department:**
  - The department, formally known as Bioengineering, has a new name: Biomedical Engineering.
  - A new undergraduate Biomedical Engineering curriculum has been approved.
  - The accelerated BS/MS BME program has been approved.
  - Sha Jin, BME faculty and Undergraduate Coordinator, has been promoted to Associate Professor, effective 9/1/2015.
  - On May 5, 2015, Amber Dorion was invited to give a short lecture at the local Rotary Club about her efforts to better detect heart disease, and was featured on Fox 40 and NewsChannel 34.
  - The Bioengineering hosted seven distinguished guest speakers as part of their Distinguished Life Science and Biomedical Engineering Lecture Series in 2014-15
  - In March 2015, BME doctoral student, Kyle Reeser, was featured in the “Ask a Scientist” section of the Press & Sun Bulletin newspaper.
  - Bioengineering senior, Josh Cohen, wins the 2014-15 Chancellor’s Award for Student Excellence.
  - BME alumnus, Dene Farrell ’06, was published in *Nature*, an international weekly journal with original, groundbreaking research spanning all scientific disciplines, in Nov 2014.
  - Fabiola Moreno Olivas, a BME PhD student, received the Consejo Nacional de Ciencia y Tecnología scholarship from the Mexican National Science and Technology Council.
  - Gretchen Mahler and Kaiming Ye organized a workshop in Bethesda, MD at the NIH campus on April 1-2, 2015. It was partially sponsored by the NSF. Dr. Mahler is the PI on that award (NSF BME 1464736: A Workshop for Integrative Additive Biomanufacturing and Tumor Engineering). Thirty-four academic panelists representing experts in the field, and approximately 30 NSF and NIH division and program directors, attended the workshop.
  - Nicole Martucci, a rising BME senior, will be joining Dr. Mahler’s lab over the summer as an NSF-funded REU student. She will be working with PhD student, Sudip Dahal, to measure cell-cell and cell-extracellular matrix adhesion forces on endothelial cell monolayers seeded onto differing extracellular matrix (ECM)-coated substrates, with the broad goal of understanding how endothelial to mesenchymal transformation contributes to aortic valve calcification.

- **Computer Science Department:**
  - Patrick Madden receives the New York State Chancellor’s Award for Excellence in Faculty Service in recognition of his outstanding service.
  - Dmitry Ponomarev featured in “Beyond the Classroom” video.
  - Patrick Madden is serving as the Chair of the ACM Special Interest Group (SIG) Governing Board, a board that consists of the chairs of the 37 ACM SIGs. He is also on
the ACM Executive Committee and ACM Council. ACM stands for the Association for Computing Machinery and is the world’s largest educational and scientific computing society with over 100,000 members.

- Undergraduate student Christopher Beard is an organizer of HackBU, a 36-hour, 300-person hackathon on March 20-22, 2015. This event was co-sponsored by the Watson School Dean’s Office.
- Lijun Yin and Scott Craver (Electrical & Computer Engineering) hosted BU Alumnus, Dr. Albert (Skip) Rizzo, PhD ’91 in the Seymour Kunis Media Core to learn about Dr. Rizzo’s recent advances in virtual reality-based exposure therapy.
- Dmitry Ponamarev has been promoted to Professor, effective 9/1/15.
- Michal Cutler will be teaching a summer session course at Renmin University in Beijing, China in July 2015.

**Electrical & Computer Engineering Department:**

- Yu Chen and David Klotzkin are the department’s new graduate directors.
- Shelle VanKuren has transitioned to her new role as Graduate Secretary and the department welcomes Ms. Lynn Callahan as the new departmental Secretary.
- NSF STEM scholarship recipients, Peter Guzewich, Sian Sealy, Cuipeng Deng, Rob Panebianco and Eitan Cohen won the Mario Kart Lego Edition robot race as part of Engineers week 2015. The robots used visual and ultrasonic sensors to keep track of where they were, navigate a course and sabotage other robots.
- Scott Craver and Lijun Yin (Computer Science) hosted BU Alumnus, Dr. Albert (Skip) Rizzo, PhD ’91 in the Seymour Kunis Media Core to learn about Dr. Rizzo’s recent advances in virtual reality-based exposure therapy.
- Zhanpeng Jin featured in “Beyond the Classroom” video.
- Matthias Kirchner has received an NSF CRII award, entitled, “CRII: SaTC: Camera-based mobile device end-user authentication,” and is the first Watson faculty member to receive this award.
- The annual ECE Department Awards for 2015 recognized 17 people which included outstanding undergraduate students, graduate students and faculty.
- Jessica Fridrich has been promoted to Distinguished Professor, effective immediately.
- Mark Fowler has been promoted to Distinguished Teaching Professor, effective immediately.

**Engineering Design Division:**

- On Oct 20, 2014, seventy-four student project teams built interactive objects using Arduino, an open source prototyping platform as part of the Fall 2014 Freshman Engineering Arduino Expo.
- Sharon Fellows has received the 2014-15 Provost’s Teaching Award in recognition of her outstanding service.
• Mechanical Engineering Department:
  o Guangwen Zhou’s paper “Study: Atom-high steps halt oxidation of metal surfaces” was published in Proceedings of the National Academy of Science in Dec 2014.
  o Darin Goldenberg has joined the department in the new role of Graduate Secretary
  o Ron Miles featured in “A New Sound” video.
  o Binghamton University members of the American Society of Mechanical Engineers (ASME) represented the University at the Student Design Competition during the Regional Student Professional Development Conference held at Temple University April 17 – 19, 2015.
  o State of the art additive manufacturing equipment has been installed in the department and is online and operational, enabling 3D printing of complicated parts from plastics or metals.

• Systems Science & Industrial Engineering Department:
  o Sarah Lam and Sangwon Yoon were featured in the most-read article of 2014 (Discovere BU Research), “Algorithms reveal forecasting of tweets.”
  o Sangwon Yoon was elected as the Director of the CIS Division of IIE.
  o Two Society of Women Engineers (SWE) students, Aria Niles and Meghana Jain, were able to attend the 2014 National SWE Conference with departmental support.
  o IEEC/GE/CPMT Electronics Packaging Symposium Poster winners:
    ▪ First place: High Performance IGZO Thin Film Transistors on Flexible Glass; Josh Hewlett, Rajesh Vaddi, Bruce White, Mark Poliks.
    ▪ Second place: Subtractive Single Micron Metal Patterning on Flexible Glass; Robert Malay. Abhishek Nandur, Rajesh Vaddi, Bruce White, Mark Poliks.
  o Peck Family Scholarship for Undergraduate Conference Attendance – James Winkleblack.
  o NYS/UUP Individual Development Award – Sung Hoon Chung.
  o Invitation as Visiting Scientist at the Max Planck Institute for the Physics of Complex Systems in Dresden, Germany (summer 2015) – Hiroki Sayama.
  o STAR Professional Service Award – Tamara Lindow.
  o ECN Magazine STEM Student of the Week – Christina Muratore.
  o Graduate Student Research Grant from the Sustainable Communities TAE Steering Committee – Yinglei Li.
• Mohammad Khasawneh was selected to receive the Graduate School’s 2014-15 Award for Outstanding Graduate Director for displaying leadership and exemplary service in the overall operations of the SSIE graduate program.
• Susan Lu has been promoted to Professor, effective 9/1/15.

• Watson Dean’s Office:
  • Dean Srihari has been named Executive Vice Provost for International Initiatives and Chief Global Affairs Officer for Binghamton University in addition to his role as Dean of the Watson School.
  • Shanise Kent has been awarded a NSF proposal, NSF 2015-2017 SUNY LSAMP Bridge to the Doctorate at Binghamton University, as Co-PI with David Ferguson.
  • NYS/UUP Individual Development Awards - Lisa Gallagher and Shanise Kent.
  • On May 1, 2015, twenty Watson faculty, staff and graduate students attended a proofreading Workshop, led by proofreader Katherine Karlson, which focused on common English grammar and syntax errors with solutions.
  • The Graduate Studies Committee is conducting a survey on PhD mentoring with the goal of improving the Watson School’s doctoral student’s learning experience. Faculty are asked to encourage their PhD students to participate. The survey can be accessed at: http://goo.gl/forms/ZVdtoQm7EI.
  • NSF Career Proposal writing workshop will be offered to eligible faculty on May 15, 2015
  • Pete Partell has been selected to participate in the SUNY Executive Leadership Academy in June 2015.
  • Janice Kinzer will be retiring from EngiNet after 25 years of service on campus.
  • Susan Boyce will be retiring from the Watson Dean’s Office after 36+ years of service on campus.
  • A new face, Margaret (Maggie) Cude, will be joining the Watson School in the new position of Graduate Recruiter (funded by the Roadmap proposal) on June 1, 2015.