



Northeastern University

Department of Chemical Engineering

Winter Newsletter 2014

Letter from the Chair

Due to the ever-increasing accolades of our students and faculty, we have decided to add a Winter Newsletter to our publications. I am proud to report that our graduate program is now at a record number of students and we have been breaking records for the number of NEU presentations at all of our major conferences (such as AIChE, BMES, and MRS). We continue to hold receptions for our students, faculty, and alumni at these events and encourage everyone to sign up for our NEU ChE LinkedIn to stay informed. I am also happy to announce our new faculty as we continue to expand our department. Lastly, I hope you take the time to read about our new 220,000 sq ft research complex which will continue to significantly expand our research capacity. Please enjoy this new addition as we continue to keep you informed of our unprecedented growth!

-Thomas Webster, Professor and Chair



Faculty Spotlight

Professor Thomas Webster was interviewed about nanomedicine on Fox 25 News, and was the keynote speaker at the National Conference of Challenges in Biomaterials Research. **Professor Rebecca Carrier** was selected to participate in the National Academy of Engineering's Frontiers of Education symposium. **Professor Shashi Murthy** presented an invited talk at the Broad Institute's Center for the Science of Therapeutics. **Professor Elizabeth Podlaha-Murphy** received an award for being a 25 year member of AIChE.

Record Attendance at AIChE Conference

Northeastern University faculty, graduate, and undergraduate students gave a record 34 presentations at the annual AIChE meeting in San Francisco, CA over the week of November 3-8, 2013. In addition, several members of the Northeastern Chapter of AIChE won prestigious awards: Professor Courtney Pflueger was selected for the Student Chapter Advisor Honor Roll, Griffin Rapsilber '16 was selected for the 2012-2013 Sophomore Academic Excellence Award, and Alyssa Travitz '17 was selected for the 2012-2013 Outstanding Freshman Award. Photo (left) courtesy of Professor Richard West.

NEU ChE to Host Two Upcoming Conferences

The Department of Chemical Engineering is excited to be hosting two academic conferences this upcoming year. The 40th Annual Northeastern Bioengineering Conference (NEBEC) is being chaired by Professors Anand Asthagiri and Rebecca Carrier, and will be held over April 25-27th. In addition, the 2nd Annual International Translational Nanomedicine Conference (ITNano) is being chaired by Professor Thomas Webster, and will be held over July 25-27th. Visit the conference websites for more information!

NEBEC

ITNano

Student Spotlight

Radhika Barua was selected for the 2013-2014 Topical Group on Magnetism PhD Dissertation Research Award. **Jing Liu** and **Pegah Hosseinpour** won the Best Poster Award at the 2013 Joint National NSLS and CFN Users' Meeting. **Melissa Loving** won the first place Poster Award at the 2013 Annual Conference on Magnetism and Magnetic Materials. **Kassi Stein** and **Miglia Cornejo** won the undergraduate poster competition at the 2013 International Society for Pharmaceutical Engineering Annual Conference. **David Walsh** won the 2013 Biomedical Engineering Society Travel Award.

NEU Plans State-of-the-Art Science and Engineering Complex

The new interdisciplinary science and engineering research facility is scheduled for completion in the fall of 2016, and will be located next to the Ruggles MBTA station. The six-story building will house wet and dry research labs, educational labs, classroom space, and offices for faculty and graduate students. Construction of the new complex will provide much-needed space for Northeastern's ongoing faculty hiring initiative and groundbreaking research. Over the past seven years the university has recruited 387 new faculty members and increased annual research funding by over 100 percent. "Solutions to many of the world's most pressing challenges are created at the intersection of disciplines," said Stephen W. Director, provost and senior vice president for academic affairs. "Our integrated science and engineering complex will allow Northeastern researchers to address challenges across many fields, with particular emphasis on our signature research themes of health, security, and sustainability."

Read More!



Architectural rendering courtesy of Payette.

Supporting the Department

Your support is essential to furthering our mission to provide our students with education and experiences that will help transform their lives. Visit www.neu.edu/giving for more information about how to donate!

Faculty Positions Available!

The Department is currently **inviting applications** for several tenure-track positions.

LinkedIn

Did you know that the department has a group on LinkedIn? **Stay connected** with other NEU Chemical Engineering alumni, students, and faculty online!