

313 Snell Engineering Center, Northeastern University, 360 Huntington Avenue, Boston MA 02115, (617) 373-2989

[Give](http://neu.edu/giving) at neu.edu/giving | [Connect](#) on LinkedIn | [Follow](#) on Twitter | [Join](http://che.neu.edu/positions) at che.neu.edu/positions



New Research Grants Piling Up

In the last month, Department faculty have recently secured over \$1.1 million in new research funding. We congratulate Richard West, Ed Goluch, Rebecca Carrier, and Shashi Murthy on their newly funded projects:

1. **"Identifying and Resolving Discrepancies in Kinetic Models of Hydrocarbon Combustion."** - Dr. West, funded by the National Science Foundation.
2. **"Nano-constriction Devices for Isolation and Cultivation of Environmental Microbes."** - Dr. Goluch, funded by the National Science Foundation.
3. **"Intestinal Mucus Barrier: Role in Necrotizing Enterocolitis and Prophy-lactic 'Mucus-strengthening' Treatment to Prevent NEC."** - Dr. Carrier, funded by the March of Dimes and in collaboration with the Univ. of Chicago.
4. **"Cleavable Surface Coatings for Microfluidic Devices"** - Dr. Murthy, in collaboration with Dr. Koby Nahmias of the Hebrew Univ. of Jerusalem (Israel) and funded by the US-Israel Binational Science Foundation.

Letter from the Chair

Welcome to our Summer 2014 Chemical Engineering Newsletter! Although summertime brings warm weather, the beach, and the World Cup, at Northeastern we are doing anything but getting a little R&R as our faculty continue to excel by receiving grants, running conferences, and publishing books. This summer, our newsletter highlights these accomplishments as well as our hiring of four new faculty whom have joined our team since January. We are also busy planning for up to four conferences for next year, from ASEE to AICHE to nanomedicine to plant biology.

So, come by Boston to say 'Hi' and see what we have been up to this summer!

Thomas J. Webster
Professor and Chair
Chemical Engineering



Chemical Engineering Goes International

The Department is rapidly expanding its international reach with several new initiatives. This summer, we are exchanging undergraduate students to conduct research with both Nanyang Technological University in Singapore and Rovira I Virgili University in Spain. Future relationships are being secured with the University of Antioquia in Colombia, Technical University of Denmark, and Chalmers University in Sweden. Additionally, the Department is currently hosting visiting scholars from India, Turkey, Malaysia and Colombia.

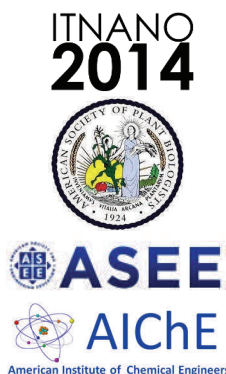


Four New Faculty Join the Ranks

Asst. Prof. Nasim Annabi comes to us from the Harvard-MIT Division of Health Sciences and Technology and is an expert in tissue engineering of cardiac and vascular tissues. Additionally, Assoc. Prof. Ming Su, formerly of the Department of Biomedical Engineering at WPI, joins the Department as an expert in nanomedicine. Prof. Art Coury is a National Academy of Engineering member and specialist in polymeric biomaterials for medical products. Lastly, our very own Dr. Abigail Koppes, expert in tissue engineering and regenerative medicine, joins us as an asst. prof. after serving as a post-doc at Northeastern under the advisement of Assoc. Prof. Rebecca Carrier.

Department Faculty to Host Several Upcoming Conferences

We are pleased to announce that [Prof. Thomas J. Webster](#), [Assoc. Prof. Carolyn Lee-Parsons](#), [Asst. Academic Specialist Courtney Pfluger](#), and [Assoc. Prof. Kate Ziemer](#) will all be hosting conferences in the coming months: **ITNANO 2014** (Webster) is set for July 25-27 at Northeastern and will focus on translational research in Nanomedicine as well as educational outreach efforts. On March 7-8, Northeastern and MIT will co-host the **AICHE Northeast Regional Student Conference** (Pfluger). The conference will include student workshops, research poster and paper competitions, as well as the popular ChemE Car competition. The **Northeast American Society of Plant Biology** (Lee-Parsons) will take place at Northeastern in April. The theme of the conference is plant metabolic engineering and systems biology. Lastly, the **American Society of Engineering Education Northeast Regional Conference** (Ziemer) will be held April 30 at NU and focus on advanced technology and learning effectiveness, industrial input to curriculum reform, global experiences, and service learning.



Northeastern University
College of Engineering