



# NOTES

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## FROM DEAN CLARK

Feb. 8, 2016

Dear members of the Hajim School community:

Congratulations to four Hajim School faculty members. **Laurel Carney**, Professor of Biomedical Engineering, was recently installed as the Mary Lou Ingram Professor of Biomedical Engineering. In addition, new appointments for three other faculty members were recently approved by the University's Board of Trustees, effective Jan. 1. **Diane Dalecki**, Professor of Biomedical Engineering, has been appointed as Distinguished Professor in Biomedical Engineering; **Sandhya Dwarkadas**, Professor of Computer Science, is appointed as the Albert Arendt Hopeman Professor of Engineering; and **Michael L. Scott**, Professor of Computer Science, is appointed as the Arthur Gould Yates Professor of Engineering. These appointments are well deserved!

A warm welcome to **Hesam Askari**, a new assistant professor, and **Michael Pomerantz**, a new technical associate, in the Department of Mechanical Engineering, and to **Jessica Shang**, who will join the department as an assistant professor this summer. Click [here](#) to read how their skills will bolster the department's teaching and research programs. Michael, by the way, will also work with the Robert Hopkins Center for Optical Design and Engineering at The Institute of Optics.

**Chunlei Guo, Professor of Optics, and his team are among four winners** of an Open Innovation Challenge issued by GE and Statoil. Participants were asked to come up with innovative solutions for reducing fresh water usage and for treating and reusing water from shale production activities — while improving operational productivity. Chunlei's team will use their \$25,000 grant to show how their newly developed laser technology can **produce a series of permanent micro- and nano-scale structures on the inside of piping so it is permanently super-hydrophobic**. With the downhole production pipes super water-repellent, it will **greatly reduce the contact between the pipe walls and the salt-concentrated water, making it harder for salt to build up**. A discretionary prize pool of \$375,000 is earmarked for potential co-development activities with Statoil and GE, contingent upon a more indepth evaluation of winning proposals.

Hajim School students invariably return with **interesting stories after studying abroad**. For example, [Sophie Zhang](#) '17 of Electrical and Computer Engineering may have discovered her future career while immersing herself in British culture at the University of Bristol. After overcoming a scheduling mixup, [Hannah Middleswart](#) '17 of Chemical Engineering met Nelson Mandela's prison warder and witnessed an inspiring student protest at the University of Cape Town in South Africa. [Elias Davis](#) '16 of Computer Science says he now sees "everything with different perspectives" after attending the University of Carlos III in Madrid, Spain, and also visiting Paris, Prague, and Galway, Ireland. [Anis Kallel](#) '17 of Computer Science was greeted with open arms by his host family in Madrid. And [Lauren Dunlap](#) '17 of Chemical Engineering says she now has a home away from home after taking classes at the University of Canterbury in New Zealand and backpacking in that country's scenic Southern Alps. **All five were able to complete classes that count toward their majors and/or clusters** during their Fall 2015 semesters overseas. Click [here](#) to read the testimonials of other Hajim students who have studied abroad.

Here are some people worth listening to:

**David Narrow** '13 of Biomedical Engineering, now CEO of Sonavex, Inc., in Baltimore, MD, will discuss "A BME's Entrepreneurial Journey Launched at the University of Rochester" at 8:30 a.m. tomorrow, Feb. 9, in Sloan Auditorium.

**Thomas Karr**, Strategic Technology Office Program Manager for DARPA, will give a presentation at 11:15 a.m., Thursday, Feb. 11, in the Gowan Room at Wilson Commons.

And Lecturer **Steve Roessner** from Electrical and Computer Engineering will appear on the WXXI Connection's show with Evan Dawson at 1 p.m. Friday to **talk about our Audio and Music Engineering major**, along with Assistant Professor Dave Ravello from Eastman who will talk about the new master's degree in Music in Contemporary Media/Film Composition.

As always, keep me updated, and have a great week.

Sincerely,

Robert L. Clark  
Professor and Dean