

The University at Buffalo Department of
Chemical and Biological Engineering
presents:

The 22nd Annual Graduate Student Research Symposium

○ “Phase Equilibria of
Corporate Life”

Durgesh S. Vaidya

Director for Research & Development, OFS

Friday, October 25, 2019

Center for the Arts, UB Amherst Campus

Doors 12:30 p.m., Lectures 1:00 p.m., Screening Room

Student Poster Competition and Mixer

3:30 – 5:30 p.m., Atrium

(RSVP cbe-chair@buffalo.edu)

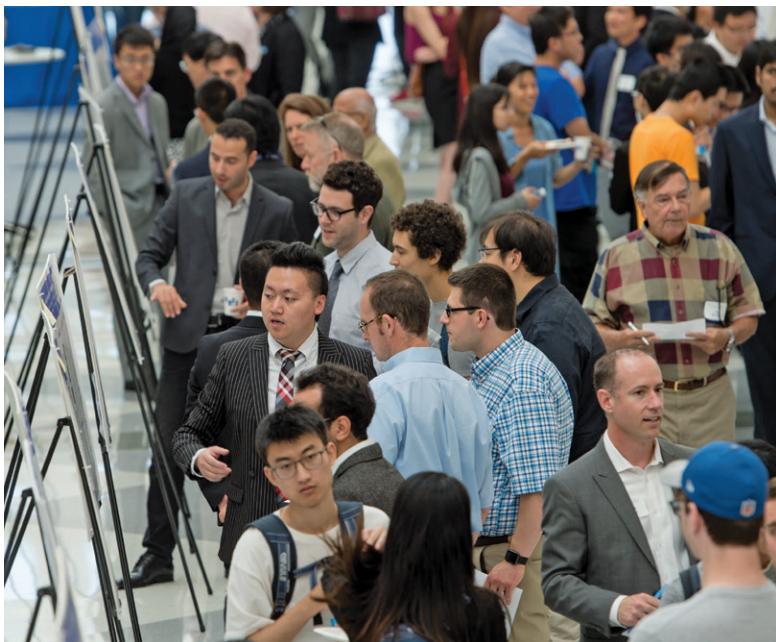
University at Buffalo

Department of Chemical
and Biological Engineering

School of Engineering and Applied Sciences

About

Graduate Student Research Symposium



Over the years the UB CBE Graduate Student Research Symposium has evolved into an exciting, comprehensive event that showcases the high quality, multidisciplinary research that is conducted in our department, and spans diverse areas such as molecular engineering of novel materials, nanotechnology, bioengineering, and molecular modeling. Every year our faculty and graduate students welcome the opportunity to present their work to their peers from CBE, other UB departments, our alumni, and representatives from local business. The Symposium has grown in ambition and scale, featuring over 60 posters, graduate student lectures, and a keynote lecture from an accomplished colleague. This year we are particularly pleased to welcome alumnus Durgesh S. Vaidya, Director for Research & Development with global responsibilities for optical fiber and connectivity innovation at OFS. Our Symposium will include a wine, beer, and hors d'oeuvres reception to honor our alumni and guests.

“Phase Equilibria of Corporate Life”

Durgesh S. Vaidya

Director for Research & Development, OFS

Transition from student life to corporate-citizen life can be a topic of curiosity, anxiety and intrigue for many.

The application of learning experiences gained on the UB North Campus to solving real-world innovation challenges on the Corporate Campus is explored through tracing the speaker’s personal journey. General observations for navigating and harmonizing the often-conflicting forces at play during various phases along a typical career path are presented for personal reflection.

In summary, what you learn in CBE at UB matters. A lot.

Abstract

About Durgesh S. Vaidya

Dr. Durgesh S. Vaidya is Director for Research & Development with global responsibilities for optical fiber and connectivity innovation at OFS—a company honored with the 68th Emmy® Award for Technology and Engineering by the National Academy of Television Arts and Sciences.

He is accountable for product and process development as well as technology strategy for Communications applications such as Undersea, Long Haul, Metro/Access, Datacenters, High Performance Computing, Fiber to the Home, and Mobile Backhaul transmission. Prior to this appointment, he served as Senior Manager, Fiber Draw Manager, and Member of Technical Staff at Bell Labs, Lucent Technologies.

His technical contributions in the area of fabrication methods, waveguide characterization, and transmission reliability have been published and presented in fiber optic journals and conferences internationally. He holds several patents in the area of design, reliability, and performance improvement of optical fibers. His group's work has been featured by *The New York Times*, *The Boston Globe*, and *The Wall Street Journal*.

Dr. Vaidya holds a Bachelor's in Chemical Engineering from the Indian Institute of Technology (IIT), Mumbai, India; a Ph.D. in Chemical Engineering from The Department of Chemical and Biological Engineering, The State University of New York at Buffalo; and Executive Education from Harvard Business School. He is the recipient of the *Journal of LightWave Technology's Most Influential Technical Contribution Award* (2018),



Cabling Innovator's Award (2016) and *LightWave Innovation Review Award* (2016). He is a Member of the Organizing Committee for International Cable Connectivity Symposium (USA) and the Technical Program Committee for OptoElectronics & Communications Conference (Asia). He serves on the Economic Development Commission for the Town of Southbridge, MA. Additionally, Dr. Vaidya is a co-founder of Kalashri of Boston, a non-profit organization dedicated to supporting performing arts in the community. He resides happily with his wife Leena and their two children in the Boston area.



The UB Department of Chemical and Biological Engineering

This Symposium is a collaborative effort supported in part by the CBE Graduate Student Association, the UB CBE Advisory Board, our graduate student speakers, CBE faculty, and various colleagues in and around UB who serve as judges for the all-important student poster competition. Many thanks to all our graduate students who work so hard on their research, and for their excellent poster and oral presentations during the Symposium. Ultimately, this Symposium is a showcase for the excellence that we strive for in our scholarship and graduate education. We look forward to many more years of this celebration of our research accomplishments.

cbe.buffalo.edu

CBE is proud to present our 22nd anniversary PhD candidate speakers:

Aref Shahini, "Restoring Muscle Regeneration after Aging"

Junjie Chen, "Complete Combustion of Methane over Ni/CeO₂-based Catalysts: A Kinetic Study"

JOIN US

CBE STUDENT/ALUMNI MIXER
3:00–5:30pm Center for the Arts Atrium

- Meet Durgesh S. Vaidya • Learn what's new •
- Connect with your colleagues •
- Wine • Beer • Soft drinks • Hors d'oeuvres •

rsvp_cbe-chair@buffalo.edu or call 716-645-1174

cbe.buffalo.edu