

## October 2012 E-News



Dear Alumni and Friends of UB CBE,

Welcome to UB CBE's E-News! Here you'll find monthly notice of events, accomplishments, and exciting research from your favorite Chemical and Biological Engineering department at UB. As CBE's new chair, I'm excited to have the opportunity to lead at a time of unprecedented growth potential for UB. On behalf of everyone I want to thank outgoing chair Professor David Kofke for his outstanding service during the last six and one-half years. He's a tough act to follow, but I am particularly enthusiastic about the future as our department is slated to add several new faculty over the next five years, thereby providing even more groundbreaking research and academic excellence than ever before. Through this e-letter, our group on [LinkedIn](#), and [our website](#), we will keep you informed, and we hope you share in our excitement for the future of UB CBE. If you have any questions or comments about what you see here, don't hesitate to [contact me](#). I'd love to hear from you.

Stelios Andreadis, Professor and Chair



[UB CBE's 15th annual Graduate Research Symposium](#) is Thursday, October 18 at the Center for the Arts. Students Jasdeep Mann and Mitali China will deliver research presentations at 1p.m. in the Screening Room, followed by the lecture [From Functional Carbohydrates to Novel Glycomimetic Drugs](#) by keynote speaker John Magnani. Over 60 graduate students will present their research in the poster competition that follows. Some will bring their presentations on the road to the AIChE scheduled later this month.



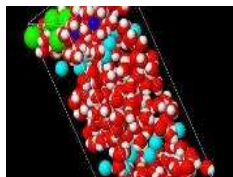
[Shape-Shifting Materials are Goal of New Nanotechnology Project](#) Mark T. Swihart, professor of Chemical and Biological Engineering at UB and director of the UB 2020 Integrated Nanostructured Systems Strategic Strength, is working with Dr. Paras Prasad to use high-throughput techniques to identify materials whose internal structure changes shape in response to external stimuli such as heat or light. The international research team has received a \$2.9 million grant from the Air Force

Office of Scientific Research.



[UB Welcomes Charles F. Zukoski as Provost and Executive Vice President](#) A member of the National Academy of Engineering, Zukoski is an internationally recognized scholar in chemical engineering. Zukoski comes to UB from the University of Illinois at Urbana-Champaign, where he was the Elio Eliakim Tarika Chair of Chemical and Biomolecular Engineering. Zukoski will be responsible for leading the development and implementation of UB's academic vision, and for providing leadership

across the university through the articulation and support of UB's academic priorities.



[Congratulations to David Kofke and Andrew Schultz](#) who were selected to receive the 2012 David Himmelblau Award for Innovations in Computer-Based Chemical Engineering Education "for the development of the etomica modules, a community-developed suite of interactive simulations to help students understand the molecular origins of macroscopic behaviors." The award is given by the Computing and Systems Technology Division of the AIChE and recognizes an individual or group making new and novel contributions to computer aids for chemical engineering

education.



[CBE bids a fond farewell to Dawn Townsend](#) who served as our Graduate Student Secretary from 2003 until retiring just recently. Dawn was a wealth of information to our student population, and she was a very important member of the CBE support staff, handling everything from appointments and purchasing to managing the graduate student service area. CBE held a party in her honor in August, and everyone turned out to see her off. She goes with our best wishes for a happy and healthy retirement. Although Dawn is going to be a tough act to follow, [CBE welcomes Lori DuVall](#), our Academic Secretary, who is already busy working with fall semester students to ensure that our transition is a smooth one.

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UB Chemical and Biological Engineering  
310 Furnas Hall  
University at Buffalo  
Buffalo, NY 14260  
US

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