

## Meet Some of AIChE's New Fellows

At the 2012 Annual Meeting in Pittsburgh, PA, AIChE leaders and Fellows gathered to recognize some of the recently elected AIChE Fellows. Fellow candidates are nominated by their peers, and must have significant chemical engineering practice (generally 25 years) and been a member of AIChE for at least 10 years, with at least three years as a senior member. Here are some of the Fellows elected in 2012. More will be introduced in future issues of *CEP*.



**Roger T. Bonnecaze** is Chair of the Chemical Engineering Dept. at the Univ. of Texas at Austin, where he has been on the faculty since 1993. Prior to earning his chemical engineering PhD at Cal Tech, he worked on environmental fluid mechanics and hydraulics projects for Hydro Research Science, and was later a British Petroleum Post-Doctoral Fellow at Cambridge Univ. His research interests include the rheology of complex fluids, biomechanics of cancer, and nanomanufacturing. He is founding director of the NSF Nanosystems Engineering Research Center on Nanomanufacturing Systems for Mobile Computing and Mobile Energy Technologies.



**Elaine M. Bower** joined the Dept. of Engineering Professional Development at the Univ. of Wisconsin-Madison in 1988, where she develops engineering education short courses for practicing professionals in the areas of chemical and process engineering and laser material processing. Her research interests and consulting activities involve forensic science applications for ultra-trace chemical detection and the development of unique biosensors. She is a past director of AIChE (1993–1995) and a longtime leader of the Wisconsin Section. She earned a BS in chemical engineering and biomedical engineering from Carnegie Mellon Univ. and an MS in chemical engineering from Cornell Univ.



**Nareshkumar B. Handagama, P.E.**, is a thermal systems expert at Alstom Power (Knoxville, TN) and has more than 25 years of chemical engineering experience in teaching, R&D, and the process industry. At the Tennessee Board of Regents, he has taught courses in chemical technology and chemical engineering science. As an expert in power generation, carbon capture technologies, and plant integration, he has supervised graduate students researching environmental impacts related to fossil fuel power generation, particularly in the domain of water and air quality. He earned his chemical engineering PhD from the Univ. of Tennessee, Knoxville.



**Douglass Kalika** is Professor and Chair of the Dept. of Chemical and Materials Engineering at the Univ. of Kentucky, Lexington, where he joined the faculty in 1990. His research focuses on polymer processing and rheology, and the investigation of structure and dynamics in polymers and blends, composites, and membranes. Before being appointed department chair in 2009, he served as Senior Associate Dean and Acting Dean of the Graduate School. He is a longtime leader of AIChE's Materials Engineering and Sciences Div. He earned his BS in chemical engineering at MIT, and his chemical engineering PhD at the Univ. of California, Berkeley.



**Sigurd Skogestad** is a professor at the Norwegian Univ. of Science and Technology, Trondheim, where he was head of the Chemical Engineering Dept. from 1999 to 2009. He is co-author of the book "Multi-variable Feedback Control" (Wiley). His research includes the use of feedback as a tool for system control (including self-optimizing control), limitations on performance in linear systems, control structure design and plantwide control, interactions between process design and control, and distillation column design, control, and dynamics. He is a past editor of *Automatica*. He earned his PhD in chemical engineering at Cal Tech.



**John Peter Sulkowski, P.E.**, is a senior process engineer for Rhodia (Charleston, SC). His more than 30 years of experience in the chemical and the engineering and construction industries encompass process design, process development, and management, with projects including new construction and modification of facilities in the refining, organic and inorganic chemical, pharmaceutical, and beverage industries. He is a founding member of AIChE's Lowcountry Section, and a registered P.E. in South Carolina. He earned his BS at the Univ. of Kansas and MS at the Univ. of Texas, both in chemical engineering.