



AIChE Elects New Fellows

This spring, AIChE's Board of Directors conferred the title of Fellow on several members of the Institute. Fellow candidates are nominated by their peers, and must have significant chemical engineering practice (generally 25 years) and have been a member of AIChE for at least 10 years, with at least three years as a senior member. Here are some of the recently elected Fellows. More will be introduced in future issues of *CEP*.



Yusuf G. (Debo) Adewuyi is a professor of chemical, biological, and bioengineering at North Carolina A&T State Univ., where his research is in the sustainable production of energy and chemical products; synthesis of nanoscale materials for energy and environmental applications; sonochemistry, cavitation, and advanced oxidation processes for air and water pollution treatment; liquid-phase chemistry and kinetics of NO_x and SO₂ removal; and ultrasound-assisted biofuels synthesis and fuels desulfurization. He has been a leader of AIChE's Triad Section, the Environmental Div., and the Minority Affairs Committee. He has over 50 publications and three patents to his credit.



Theodore S. (Ted) Andersen is a senior consultant and recently the chief engineer at ChemTech Consultants (Bridgeville, PA). In his 47 years of industrial experience, he has designed process systems and operational/control strategies for plant upgrades, new plant construction, and environmental improvements, and has contributed to more than 200 projects for clients in the energy, chemicals, metals, refining, steel, utilities, and food industries. He also performs process simulations, process hazard assessments (PHAs), and regulatory compliance audits. He is a longtime leader of AIChE's Pittsburgh Section, and earned his chemical engineering PhD at the Univ. of Pittsburgh.



Jack Chosnek, P.E., is President and Principal of KnowledgeOne (Pearland, TX), where he has consulted for companies in the chemical, refining, oil and gas, offshore, LNG, waste management, and mining industries. He has developed policies and implemented process safety management systems, facilitated PHAs and LOPA/SIL projects, written operating procedures, and conducted incident investigations and process safety audits. He has also developed software for PHA facilitation and management of change (MOC), and holds three patents related to

chemical production. He chairs the South Texas Section's Process Safety Workshops, and chaired AIChE's 2007 Process Plant Safety Symposium.



Herbert W. Cooper is President and co-founder of Dynalytics Corp. (Hicksville, NY), a consultancy with more than 40 years of experience in power production, hydrogen and synthesis gas production, asphalt plants, thermal coatings, steel mills, petrochemical production, and oil refining. Cooper's expertise includes application of statistical- and probability-based approaches to optimizing the efficiency and economic performance of these facilities during their process and mechanical design, construction, and operational phases. He has taught graduate chemical engineering courses, is the former chair of AIChE's Long Island (NY) Section, and current chair of the Metro New York Section.



Leonard A. Fabiano is an adjunct professor of chemical and biomolecular engineering at the Univ. of Pennsylvania. After serving as a second lieutenant in the U.S. Army Chemical Corps, he held process engineering, supervisory, and management roles at companies that included Air Products and Chemicals, Olin, Stauffer, and Arco Chemical, and led process design and commercial implementation for numerous first-of-a-kind technologies. He also conducted early initiatives in process- and equipment-design simulation software, leading the group that taught the application of ASPEN PLUS to Arco's engineers around the world. He is the author of eight publications and two patents.



Julian B. Fasano, P.E., is President of Mixer Engineering Co. (Troy, OH), and has more than 40 years of experience in solving mixing problems for process design and mechanical design projects. He was previously director of engineering and development at Chemineer, Inc.,

where he worked for 34 years. He has written more than 90 technical papers on mixing-related topics, is a member of AIChE's North American Mixing Forum (NAMF), and received NAMF's 2012 award for his contributions to mixing research and practice. He earned a PhD in materials engineering at the Univ. of Dayton.



Hugh D. Kaiser, P.E., is Principal Engineer and Senior Project Manager for Parsons Brinckerhoff (Houston, TX). He has more than 30 years of experience in engineering, construction management, and operations, including natural gas processing and pipeline

facilities, natural gas liquids pipelines and terminals, and underground storage facilities. He has served as Meeting Program Chair and General Arrangements Chair for several AIChE Spring Meetings, and as chair of the 2001 Process Plant Safety Symposium. He holds U.S. and international patents in underground storage technology and was a contributing author to *Perry's Chemical Engineers' Handbook*.



Yoshitsugi Kikkawa is a design and engineering consultant for Chiyoda Corp. (Yokohama, Japan), where he is the company's liquefied natural gas (LNG) project technical advisor. His projects for Chiyoda have included LNG cold power generation, and the Qatargas LNG

Plant Project, which was named the 1999 International Project of the Year by the Project Management Institute. For more than a decade he has chaired AIChE Spring Meeting sessions on LNG. He earned a PhD in chemical engineering at Kyushu Univ., has written more than 35 publications, and holds 27 patents.



Richard Korsmeyer is a senior research fellow at Pfizer Worldwide R&D (Groton, CT). An expert in pharmaceutical development and controlled-release technology, his work has ranged from research and development to due diligence evaluations of hundreds of

commercial products. He has published in the areas of organic synthesis, polymer science, mass transport and diffusion, controlled release, supercritical fluid technology, and business. He is a member of the National Academy of Engineering and a Fellow of the American Institute for Medical and Biological

Engineering. He created a widely used exponential equation that describes data from controlled-release experiments.



Julio M. Ottino is Dean and Distinguished Robert R. McCormick Institute Professor and Walter P. Murphy Professor of Chemical and Biological Engineering at Northwestern Univ., where he founded the Northwestern Institute of Complex Systems. His research has

unveiled the connection between chaos and the mixing of fluids, and has impacted fields as diverse as complex systems, fluid dynamics, granular dynamics, microfluidics, and the geophysical sciences. He was AIChE's 2010 Institute Lecturer and received AIChE's Alpha Chi Sigma and Walker awards. He is a member of the National Academy of Engineering and the American Academy of Arts and Sciences.



M. R. Riazi is a professor of chemical engineering at Kuwait Univ. His research interests include applied thermodynamics and transport processes, reservoir engineering, thermophysical properties and phase behavior of hydrocarbon systems, characterization of petroleum, reservoir

fluids and heavy oils, modeling of gas and liquid adsorption problems, solar energy, modeling of oil spills, heavy oil production and processing, and polymers for petroleum production. He has written more than 140 publications, including three books, and is the founding editor of *International Journal of Oil, Gas, and Coal Technology* and associate editor of *Journal of Petroleum Science and Engineering*.



Yong Wang is a Laboratory Fellow at Pacific Northwest National Laboratory, where he is associate director of the Institute for Integrated Catalysis. He is also the Voiland Distinguished Professor in the School of Chemical Engineering and Bioengineering at Washington State

Univ., where he earned his PhD in chemical engineering. He is a leader in the development of novel catalytic materials and reaction engineering for the conversion of fossil and biomass feedstocks to fuels and chemicals. He has written 165 publications, and his many inventions related to catalytic technologies have resulted in 86 U.S. patents.

100 Years of Ammonia Production

Ammonia Symposium, Aug. 25–29, Frankfurt Germany

A century of ammonia synthesis technology — with an emphasis on continual progress in ammonia plant safety — is the theme of AIChE's 58th Annual Safety in Ammonia Plants and Related Facilities Symposium, to be held Aug. 25–29 at the Frankfurt Marriott Hotel in Frankfurt, Germany. Experts from around the world will discuss the latest advances related to the safe production and use of ammonia, including case studies and lessons learned.

Organized by AIChE's Ammonia Safety Committee, the annual symposium is dedicated to improving the safety of plants that manufacture ammonia and related chemicals, such as urea, nitric acid, ammonia nitrate, and methanol. More than 500 attendees — including plant safety personnel, plant managers, and process engineers representing a spectrum of industries — are expected to participate in the symposium, where they will share technological advances and discuss strategies for improving plant safety, maintenance, and management. Company leaders and practitioners will describe how their organizations avoid or manage potential plant accidents, and present solutions to a variety of safety engineering problems. Participants will also receive an overview of products available to improve safety.

Kicking off the nearly 30 presentations will be a keynote address on Monday morning, Aug. 26, by Wayne T. Smith, a member of the Board of Executive Directors at BASF.

A highlight of this year's Ammonia Symposium takes



▲ The Old Bridge crosses the Neckar River to Heidelberg.

place on Tuesday, Aug. 27, when programming will be put on hold for a full-day sightseeing and plant tour. The day starts in the historic city of Heidelberg, with its medieval architecture, narrow streets, and dramatic riverside location — all in the shadow of the imposing Heidelberg Castle. In the afternoon, the tour moves to BASF's Ludwigshafen plant for a reception, dinner, and presentations celebrating 100 years of Haber-Bosch ammonia production technology at the facility. The Heidelberg/BASF trip is optional (US\$20 per person), and includes transportation between the tour sites and the conference site. The tour is limited to 250 people.

For program and registration information, visit www.aiche.org/ammonia2013.

AIChE Board Election in Progress

The July issue of *CEP* featured position statements of president-elect, treasurer, and director candidates for the 2014 AIChE Board. This information is available on the web at www.aiche.org/election. Paper ballots were mailed on July 29 to all Fellows, Senior Members, and Members. Members may cast only one vote, and may choose to vote either by paper ballot or by electronic proxy.*

To use the electronic submission option instead of a paper ballot, visit <http://aiche.societyelection.com>. Your AIChE membership number will serve as your personal identification number. The same rigorous standards guarding your privacy will be applied to both paper ballots and electronic proxies. All paper ballots and electronic proxies must be received by Sept. 16, 2013.

Election results will be announced at AIChE's Annual Meeting in San Francisco, CA, and in the November issue of *CEP*. If you have questions about the election, contact election@aiche.org.

**Electronic Proxy Ballot: Under New York law, a member can vote a proxy by electronic means. A proxy is a limited power of attorney affirmatively given to another person or persons to act in his or her stead. You will authorize President Rosenthal and Secretary Ogdan to vote on your behalf for the indicated candidates.*

In Memoriam

Wilford G. Bair*, 88, Glenview, IL
Robert C. Bartcher, 65, Albany, OR
James W. Blackburn, 62, Carbondale, IL
John Peter Congalidis*, 59, Wilmington, DE
Gustav Enyedy*, 86, Gates Mills, OH
John B. Jones, 93, Greeley, CO
James R. Katzer, 71, Washington, DC
Gary P. Morse, 64, Milford, OH
Dale E. Nutter, 76, Peralta, NM
Paul M. Parchinski, 70, Paulsboro, NJ
Michael R. Schmid, 78, Independence, VA
Robert L. Teeter, 93, Harrisonburg, VA
Paul B. Weisz*, 93, State College, PA

*AIChE Fellow