



Institute News

Meet Some of AIChE's Fellows

At the 2015 Spring Meeting and Global Congress on Process Safety, AIChE leaders and Fellows gathered to recognize some of the recently elected AIChE Fellows at a special breakfast on Apr. 28. 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 Fellows will be introduced in future issues of *CEP*.



Mary Ann Curran, co-owner of BAMAC, Ltd., and formerly of the U.S. Environmental Protection Agency's Office of Research Development, is an internationally recognized expert in lifecycle assessment (LCA). Through her extensive network of practitioners,

she has built awareness of LCA's implications in the protection of human health and the environment. Her recent publication projects include the *LCA Handbook* and the *Student LCA Handbook*, as well as the *LCA Compendium* book series. She is editor-in-chief of Springer's *International Journal of Life Cycle Assessment*. She earned a BS at the Univ. of Cincinnati, an MS at Lund Univ. (Sweden), and a PhD at Erasmus Univ. (Netherlands).



Donald L. Feke is Vice Provost for Undergraduate Education and a professor of chemical engineering at Case Western Reserve Univ., where he has held dual faculty-administrative roles since joining the staff in 1981.

His research focuses on the physical behavior and processing characteristics of multiphase dispersions. He has also studied the use of resonant ultrasonic fields to perform sharp separations in chemical and biochemical processing, and the development of morphology in dispersions using acoustic processing techniques. He earned his BS and MS at Case Western Reserve, and his PhD at Princeton Univ., all in chemical engineering.



Sangtae "Sang" Kim is Distinguished Professor of Chemical Engineering at Purdue Univ. He has developed computational techniques for particle-particle interactions in viscous media for complex geometries — with valu-

able predictive and modeling applications in the pharmaceuticals field. He has served as Executive Director, Morgridge Institute for Research; Director, National Science Foundation's Cyberinfrastructure Div.; and Vice President of R&D at both Eli Lilly and Warner Lambert. He is a member of the National Academy of Engineering, a Fellow of the American Institute of Medical and Biological Engineers, and a Trustee of the AIChE Foundation.



Paul Mathias is Technology Director and Senior Fellow at Fluor. A specialist in physical properties and process modeling, he has more than 37 years of experience in the petroleum, inorganics, gas processing, electrolytes, and polymers fields. Previous employers include

Air Products and Chemicals and Aspen Technology, and his early career included contributions to MIT's ASPEN Project. As a consultant, he has developed modeling solutions for many technologies, and he has also taught at Lehigh Univ. and the Univ. of California, Irvine. He earned his PhD in chemical engineering at the Univ. of Florida.



William Bailey Russel is the Arthur W. Marks '19 Professor of Chemical and Biological Engineering and Dean Emeritus of the Graduate School at Princeton Univ., where his research group focuses on aspects of colloidal dispersions.

His work in transport phenomena and materials synthesis has been documented in 169 publications, as well as three books on colloidal dispersions and systems. He is a member of the National Academy of Engineering and the American Academy of Arts and Sciences, and has received AIChE's Alpha Chi Sigma and William H. Walker Awards. He earned his PhD in chemical engineering at Stanford Univ.



Andrew W. Sloley, P.E., is a process technologist and Principal Process Engineer at CH2M Hill, where he specializes in the design of new and revamped crude and heavy oil processing units and distillation units. He has worked extensively on refinery black oil systems, including crude, vacuum, hydrocracking, delayed coking, vis-breaking, and light ends units. Prior work assignments included stints at Exxon Chemical, Glitsch, Process Consulting Services, and The Distillation Group. He has written more than 200 papers on such topics as distillation, product recovery, and heat integration. He is a licensed professional engineer in Texas.



Angela Summers, P.E., is president of SIS-TECH, a specialty engineering and consulting company. She has more than 20 years of experience in safety instrumented systems (SIS), process engineering, and environmental engineering. She participates in the ISA and IEC standards committees, and has published extensively on topics related to process safety and instrumented system design. She was lead editor for the Center for Chemical Process Safety (CCPS) book *Guidelines for Safe and Reliable Instrumented Protective Systems*. She earned her PhD in chemical engineering from the Univ. of Alabama, and is a licensed professional engineer in Texas.



John W. Weidner is Department Chair and Campaign for Excellence Professor of Chemical Engineering at the Univ. of South Carolina, where his research involves the synthesis and characterization of electrochemically active materials and the design and operation of electrochemical processes. His recent projects have focused on hydrogen and alternative energy, and have led to advances in batteries, electrochemical capacitors, fuel cells, electrochemical synthesis in room-temperature ionic liquids, and electrolysis involving gas-fed anodes. He earned his BS from the Univ. of Wisconsin-Madison and his PhD from North Carolina State Univ., both in chemical engineering.



Stephen E. Zitney directs the Dynamics, Control, and Optimization Research Program at the U.S. Dept. of Energy's (DOE) National Energy Technology Laboratory (NETL). In 2011, he launched the AVESTAR Center for Advanced Virtual Energy Simulation Training and Research at NETL and West Virginia Univ. He also led R&D on the Advanced Process Engineering Co-Simulator (APECS) software for multiscale integration of process simulation and computational fluid dynamics. Prior experience includes R&D management and consulting roles at Fluent, Aspen Technology, and Cray Research. He received his PhD in chemical engineering from the Univ. of Illinois.

AICHE OPENS HOUSTON OFFICE

AICHE has established a satellite office in Houston, TX, that will provide employees and members of the Institute and its subsidiary groups, including the Center for Chemical Process Safety (CCPS), a setting for collaboration with chemical- and petroleum-industry stakeholders in Texas and the U.S. Gulf Coast region. AICHE is sharing facilities with the Society of Petroleum Engineers (SPE) located at One Westchase Center in Houston's Westchase district.

In announcing the opening of the new location, June Wispelwey, Executive Director of AICHE, said that having an office in Houston is another step in AICHE's mission to serve the professional interests of its global network of chemical engineering practitioners, and also strengthens the Institute's connection with industries in the region.

"This expansion, as well as the several other new AICHE and CCPS offices in international locations, helps give AICHE the presence it needs to bring technical education and professional support to chemical engineers wherever they practice," said Wispelwey. "It also enables the Institute to tailor its training and technical programs to address the particular needs of engineers and industries at specific locations around the world."

Wispelwey noted that, outside North America, AICHE and CCPS have recently established international offices in Mumbai, India; Frankfurt, Germany; and Singapore.

In addition to maintaining a business office at the Houston site, AICHE will conduct workshops, public education courses, and seminars at the location, beginning in the second half of 2015.

William W. Grimes, AIChE Fellow and Former Director

William W. Grimes, an AIChE Fellow and Past Director of the Institute, died in Laguna Woods, CA, on March 2, 2015, at age 88.

Grimes, who served as a director of AIChE from 1984 to 1986, was the first African-American to be elected a Fellow of the Institute. He was also among the AIChE leaders whose guidance led to the establishment, in 1990, of the Institute's Minority Affairs Committee. In honor of his contributions, the Minority Affairs Committee presents its William W. Grimes Award for Excellence in Chemical Engineering, which recognizes a chemical engineer's contributions as a distinguished role model for engineers from minority groups.

Born in Gorgas, AL, Grimes served in the U.S. Army before earning a BS in chemical engineering at The Ohio State Univ. In 1951, he went to work for Standard Oil of Ohio, where he had a long career as a process engineer, refinery manager, and refining technology director. He held six U.S. patents related to

petroleum refinery operations

Upon retiring from Standard Oil in 1987, Grimes launched a consultancy (WILGRIM, Inc.), and was later hired as a Senior Vice President at Martech International in West Covina, CA, where he directed the firm's engineering projects. After retiring from engineering in 2003, Grimes started a new decade-long career as a tax preparer for H&R Block. He became a federally enrolled tax agent in 2013 at age 86, and earned the status of master tax preparer. That same year, he prepared 336 tax returns.

Grimes was listed in *Who's Who in Engineering*, *Who's Who in Technology Today*, and *Who's Who Among Black Americans*, and received several distinguished alumnus and service awards from Ohio State Univ. He is survived by Bettie, his wife of 64 years, a son, and three grandchildren.



Help document the history of chemical engineering.

AIChE is collaborating with other engineering societies — including IEEE, ASCE, ASME, AIME, SPE, and SWE — on a new educational resource:

The Engineering and Technology History Wiki (ETHW) — www.ethw.org

The ETHW will be an archive for milestones, written and oral histories, and personal reflections about engineering's contributions to the world.

AIChE is scheduling interviews, soliciting written contributions, and receiving suggestions for the ETHW site. To discuss the project and to find out how you can be a part of it, contact Gordon Ellis, AIChE Communications, at gorde@aiche.org or **646-495-1348**.

1907—Bakelite Invented



1938—Nylon Commercialized



1954—First AIChE Division: Nuclear



1973—Unleaded Gasoline



2006—SBE CHO Consortium





CareerEngineer

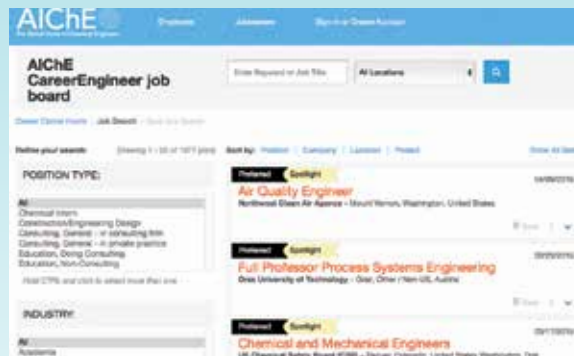
If you're a job seeker, the process of finding the right job can be a daunting and time consuming one — especially if you're not looking in the right place.

It's the same for employers trying to fill a chemical engineering position that requires a specific skill set. Where can an organization go to perform a targeted talent search for chemical engineers possessing the specific training and know-how needed for the job at hand?

To fill those needs, AIChE provides its members and their employers with CareerEngineer — www.aiche.org/careerengineer — an online job center where employers can easily connect with qualified job candidates in academia, the chemicals and petrochemicals industries, the energy sector, pharmaceuticals, biotech, and the allied chemical fields.

CareerEngineer allows recruiters to perform focused searches to locate the ideal job candidates. Job seekers can target their searches of hundreds of job listings based on geographic location, industry, and the specific positions that interest them. Job candidates can store their resumé, cover letters, communications with employers, and notes pertaining to job searches. They can also set up JobAlerts to receive notices of posted jobs that match their career objectives.

As an added benefit, when recruiters search CareerEngineer for job candidates, AIChE members are placed at the top of the list. CareerEngineer even offers



an internship and co-op position board for chemical engineering undergraduates.

Perhaps the most convenient feature of CareerEngineer is Job Flash — an email distributed to interested AIChE members on the first and third Wednesday of every month. This email alert features 10 newly posted jobs with links to the full job-board details. More than 16,000 job seekers are already registered for Job Flash. AIChE members can automatically receive Job Flash emails by registering as a job seeker at CareerEngineer.

Please visit www.aiche.org/careerengineer to learn more about the benefits AIChE provides to job seekers and employers.

Virtual Career Fair, May 13

Job seekers and anyone wanting to explore new opportunities in chemical engineering can connect online with potential employers when AIChE hosts its Spring 2015 Virtual Career Fair on Wednesday, May 13, from noon to 4:00 pm EDT. Registrants will be able to “virtually” chat and visit the booths of leading companies in the global chemical process industries (CPI), as well as other organizations seeking chemical engineering talent, from entry to senior levels.

Chemical engineers at all career stages are invited to register for the event, using their LinkedIn profile or by creating a new profile. They can then submit a resumé, read job postings and employer profiles, and sign up for a live chat with recruiters. Employers can register for a virtual exhibit booth, post jobs, review candidate profiles, and chat with job seekers in real time. The Virtual Career Fair also offers a time slot for undergraduates from 3:00 pm to 4:00 pm.

Register at www.aiche.org/careers.

In Memoriam

- Marcus V. Bastianen, 41, Houston, TX
- Elmer L. Boehm, 92, St. Louis, MO
- Akbar F. Brinsmade, 97, Biloxi, MS
- Julian W. Daniel, 82, Sylvania, GA
- John F. Gajda, 71, Baton Rouge, LA
- William R. Galloway, Jr., 87, Centreville, DE
- Gilbert Gavlin, 94, Lincolnwood, IL
- William W. Grimes*, 88, Laguna Woods, CA
- Rodney N. Hader, 92, Silver Spring, MD
- B. Wallace Hunton, 91, Fort Smith, AR
- Robert C. Warren, 84, Bingham Farms, MI

* AIChE Fellow