



Institute News

AICHe Elects New Fellows

In February, AICHe's Board of Directors conferred the title of Fellow on several members of the Institute. Some of these new Fellows received recognition during a Fellows Breakfast held at the 2013 Spring Meeting and Global Congress on Process Safety in San Antonio, TX, Apr. 28 – May 2. 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*.



Said AbuBakr is a professor and chair of the Dept. of Chemical and Paper Engineering at Western Michigan Univ. (WMU). After earning a PhD in chemical engineering at Michigan State Univ., he established the chemical engineering dept. at Yarmouk Univ. (Jordan),

and later worked for the USDA Forest Service's Forest Products Laboratory before joining WMU in 2001. He is a TAPPI Fellow and the 2013 Michigan Printing Week Association's Ben Franklin Educator of the Year. He is active in AICHe's Department Heads Forum, International Committee, and Education and Accreditation Committee.



W. Nicholas Delgass is the Maxine Spencer Nichols Professor Emeritus of Chemical Engineering and Director of the Center for Catalyst Design at Purdue Univ. He employs a variety of spectroscopic tools and surface chemistry information to understand catalytic

activity in water-gas shift, methanation, hydrodesulfurization, hydrogenation, epoxidation, NO_x reduction, olefin polymerization, and aromatization reactions. His work on discovery informatics uses a systems approach in search for catalysts with desired performance. He is co-author of the book *Spectroscopy in Heterogeneous Catalysis* and a past editor of the *Journal of Catalysis*, and he received AICHe's 2012 Wilhelm Award in Chemical Reaction Engineering.



David DiBiasio is associate professor and head of the Chemical Engineering Dept. at Worcester Polytechnic Institute (WPI). His interests are in educational research: the process of student learning, international engineering education, and educational assessment. At WPI, he has

developed a project-based spiral curriculum in chemical engineering, and has served as assessment coordinator in WPI's Interdisciplinary and Global Studies Div. A Fellow of the American Society for Engineering Education (ASEE), he has chaired ASEE's Chemical Engineering Div. He has served as an ABET program evaluator, and is active in AICHe's Education and Accreditation Committee and the recently formed Education Div.



Laura Dietsche is a research scientist at Dow Chemical Co. (Midland, MI), with 25 years of experience in process conceptualization and equipment design focusing on fluid mechanics and mixing technologies. She worked at Dow's Agricultural Sciences R&D Laboratory,

later earned a PhD in chemical engineering at the Univ. of California, Berkeley, and did postdoctoral work at Lawrence Livermore National Laboratory, before rejoining Dow's Engineering Sciences Core R&D group. She is a member of AICHe's Education and Accreditation Committee and a program evaluator and commissioner for the Engineering Accreditation Commission of ABET.



Jack Hipple is Principal of Innovation-TRIZ (Tampa, FL), which he formed in 1999. He was previously Director of Discovery Research and Chemical Engineering R&D for Dow; Project Manager for the National Center for Manufacturing Sciences' Managerial and Environmental Divisions; New Products Development Manager for Ansell Edmont; Aerogel Project Manager for Cabot Corp.; and New Business Development Manager for Ideation International. He teaches the TRIZ inventive problem-solving method and introductory chemical engineering courses for AICHe and other clients. He was elected a director of AICHe (2012–2014), and is a past chair of AICHe's Management Div.



James B. Miller is an associate research professor of chemical engineering at Carnegie Mellon Univ. (CMU). He applies a high-throughput approach to the study of alloys and other multicomponent materials for applications in separations, catalysis, and chemical sensing. Before joining CMU, he worked in industry for over 25 years, most recently at Mine Safety Appliances Co. as a developer of chemical sensors, catalysts, and catalytic processes. He is a past president of the Pittsburgh-Cleveland Catalysis Society, past chair of AIChE's Pittsburgh Section, and advisor to CMU's AIChE Student Chapter. He won AIChE's Shining Star award for his volunteer work.



Theodore P. Nelson, P.E., is a safety and process technology consultant to numerous organizations. As an expert in safety practices and emergency relief systems, he has led process safety management (PSM) activities, coordinated safety testing, audited designs and installations, and performed incident investigations. He has been a consultant to the U.S. Dept. of Energy, and to the U.S. Dept. of Defense, where he has reviewed the technology, safety, design, and construction of projects to destroy stockpiles of weapons. He has been active in AIChE's Design Institute for Emergency Relief Systems (DIERS) and Design Institute for Physical Properties (DIPPR), and is a leader of the Tidewater (VA) Section.



Joseph D. Smith is the Laufer Endowed Energy Chair and Director of the Energy Research and Development Center at Missouri Univ. of Science and Technology. He has over 25 years' experience in the fossil-energy industry, including application of CFD models for coal combustion and gasification and optimization of industrial-scale furnaces. He is a certified Cause and Origin Fire Investigator and is certified by the U.S. Dept. of Homeland Security for determining critical infrastructure risk. He has written some 40 publications and holds eight patents. He is active in AIChE local section leadership and is the longtime chair/co-chair of the National Student Paper Competition.

Final Slate of Candidates for AIChE Election

AIChE's Nominating Committee has confirmed the slate of candidates for the positions of Institute president-elect, treasurer, and director for 2014.

For President-Elect

- Cheryl I. Teich, *The Dow Chemical Co.*
- Philip W. Winkler, *Government Contracting Specialists, LLC*

For Treasurer

- T. Bond Calloway, Jr., *Savannah River National Laboratory*
- E. Dennis Griffith, *Grandherne / Kellogg, Brown & Root*

For Director (four to be elected)

- Dibakar (DB) Bhattacharyya, *Univ. of Kentucky*
- Marc Olivier Coppens, *University College London*
- Ahmed S. Khogeer, *Saudi Aramco*
- Daniel P. Lambert, *Savannah River National Laboratory*
- Christi P. Luks, *Univ. of Tulsa*
- Joseph D. Smith, *Missouri Univ. of Science and Technology*
- Diane K. Spencer, *Lawrence Livermore National Laboratory*
- Levi T. Thompson, Jr., *Univ. of Michigan*

Election ballots will be mailed, and electronic proxy voting will begin, on July 29, 2013. Ballots will be due on Sept. 16, and the election results will be announced on Nov. 4 at the AIChE Annual Meeting in San Francisco, CA. Candidate platforms will be published in the July 2013 issue of *CEP*.

Debenedetti is Named Princeton's Dean for Research

Pablo Debenedetti, the Class of 1950 Professor in Engineering and Applied Science and professor of chemical and biological engineering at Princeton Univ., has been named Princeton's Dean for Research. In this role, he will spearhead innovation and collaboration across campus, promote Princeton research to potential donors and supporters, ensure that all research meets high ethical standards, and encourage entrepreneurship. The appointment takes effect on July 1. He succeeds A. J. Stewart Smith, who will become Vice President of Princeton's Plasma Physics Laboratory.

An alumnus of MIT, Debenedetti is a former chair of Princeton's chemical engineering department, and later became Princeton's vice dean of engineering. He is a member of the National Academy of Sciences, the American Academy of Arts and Sciences, and the National Academy of Engineering. From AIChE, he received the Professional Progress and William H. Walker awards, and was named one of "100 Chemical Engineers of the Modern Era."

Golf.

Tennis.

Meetings.

Look sharp for
business or leisure
with AIChE apparel.

- Polo Shirts
- Twill Shirts
- Hats
- Denim Shirts
- Fleece Jackets
- Fleece Vests
- Golf Balls
- Gear Bags

And more...



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Institute News

DIVISIONS PRESENT HONORS

AIChE's technical divisions and forums present awards that recognize contributions across a spectrum of chemical engineering specializations (www.aiche.org/community/awards/division-forum-awards). These awards are presented at events held during AIChE's Spring and Annual meetings. The following awards were presented during the 2013 Spring Meeting and Global Congress on Process Safety in San Antonio, TX (Apr. 28 – May 2). Many other groups will present their honors at the Annual Meeting in San Francisco, CA (Nov. 3–8, 2013).

FUELS AND PETROCHEMICALS DIV.

Division Award

Shariq Yosufzai, Chevron Corp.

Division Distinguished Service Award

Sponsor: Pentair Thermal Management
Syamal Poddar, Poddar & Associates

SAFETY AND HEALTH DIV.

Norton H. Walton / Russell L. Miller Award

Don Jacobsen, Shell International E&P

In Memoriam

Robert C. Bartcher, 65, Albany, OR

John D. Beard, 61, Baton Rouge, LA

Edwin W. Blase, 89, Venice, FL

Donald J. Butterworth, 76, Stirling, NJ

John W. Ebert, 90, Basehor, KS

George C. Frazier, 82, Loudon, TN

Francesco E. Garzoglio, 74, Milano, Italy

Robert T. Milligan*, 91, Orinda, CA

Leon Mir, 74, Brookline, MA

Gilbert E. Raines, 80, Naples, FL

J. Albert Rolston, 92, Delaware, OH

Leslie W. Shemilt*, 92, Hamilton, ONT

Roy G. Sjogren, 83, Rancho Cordova, CA

David B. Todd*, 86, West Windsor, NJ

Van A. Wentz, 87, Bethesda, MD

*AIChE Fellow



AIChE Meetings Calendar

For information and registration details, visit www.aiche.org/conferences or call Customer Service at 1-800-242-4363 or 1-203-702-7660 (outside the U.S.)

MAY 6–9, 2013	Offshore Technology Conference (OTC) Reliant Park • Houston, TX
JUNE 10–11, 2013	NSF Energy-Water Nexus Workshop National Science Foundation • Alexandria, VA
JUNE 11–13, 2013	2013 Process Development Symposium Hyatt Lodge at McDonald's Campus • Oak Brook, IL
JUNE 23–26, 2013	Massive Energy Storage for the Broader Use of Renewable Energy Sources (Co-sponsored by AIChE's Center for Energy Initiatives) Fairmont Newport Beach • Newport Beach, CA
AUG. 11–15, 2013	International Congress on Sustainability Science and Engineering (ICOSSE 2013) Kingsgate Marriott • Cincinnati, OH
AUG. 12–14, 2013	5th Latin American Conference on Process Safety Hilton Cartagena • Cartagena, Colombia
AUG. 25–29, 2013	58th Annual Safety in Ammonia Plants and Related Facilities Symposium Marriott Frankfurt Hotel • Frankfurt, Germany
SEPT. 8–10, 2013	1st CCPS Asia-Pacific Conference on Process Safety Kempinski Hotel • Qingdao, China
SEPT. 23–25, 2013	AIChE / Air & Waste Management Association Joint Workshop on Municipal Water Reuse Hyatt Regency Hotel • Long Beach, CA
SEPT. 28 – OCT. 2, 2013	Middle East Process Engineering Conference (Co-sponsored by AIChE) International Convention Center • Bahrain
NOV. 3–8, 2013	2013 AIChE Annual Meeting and Student Conference Hilton San Francisco Union Square • San Francisco, CA

Webinars

Register and view live and archived webinars at www.aiche.org/webinars.

MAY 8, 2013 2:00–3:00 PM ET	Development of a Commercially Viable Algae Bio-Fuels Process Presenter: Benjamin Saydah
JUNE 12, 2013 2:00–3:00 PM ET	The Chemistry of Chocolate Presenter: Nicholas L. Rozzi
JUNE 26, 2013 2:00–3:00 PM ET	An Insider's View of the New Patent Laws Presenter: Robert Stoll

AIChE Education Calendar

Instructor-Led Training

For more information, and to register for AIChE Instructor-Led Training courses, visit www.aiche.org/education.

MAY 20–21, 2013 SAN FRANCISCO, CA	Bioseparations: Principles, Applications, and Scale-Up Course # CH401 • Instructor: Roger Harrison
MAY 20–21, 2013 HOUSTON, TX	Conceptual Development and Capital Cost Estimating Course # CH139 • Instructor: John Williams
MAY 22–23, 2013 HOUSTON, TX	Project Evaluation: Operating Cost Estimating and Financial Analysis Course # CH140 • Instructor: John Williams
MAY 20–23, 2013 HOUSTON, TX	Combo Course: Project Evaluation Operating Cost Estimating Course # CH758 • Instructor: John Williams
JUNE 3–4, 2013 LAS VEGAS, NV	Combustible Dust Hazards: Dust Explosions Course # CH034 • Instructor: Erdem Ural
JUNE 3–5, 2013 CALGARY, AB, CANADA	CCPS's HAZOP Studies and other PHA Techniques for Process Safety and Risk Management Course # CH157 • Instructor: Robert Johnson
JUNE 6–7, 2013 CALGARY, AB, CANADA	CCPS's Advanced Concepts for Process Hazard Analysis Course # CH754 • Instructor: Robert Johnson
JUNE 3–7, 2013 CALGARY, AB, CANADA	Combo Course: CCPS's HAZOP Studies, Other Hazard Evaluation Procedures AND Advanced Concepts for Process Hazard Analysis Course # CH759 • Instructor: Robert Johnson
JUNE 10–12, 2013 HOUSTON, TX	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
JUNE 18–19, 2013 TORONTO, ON, CANADA	Flow of Solids in Bins, Hoppers, Chutes and Feeders Course # CH032 • Instructors: Eric Maynard, Herman Purutyan
JUNE 20, 2013 TORONTO, ON, CANADA	Pneumatic Conveying of Bulk Solids Course # CH033 • Instructors: Eric Maynard, Herman Purutyan

Web Forum

For information about Web Forums and AIChE Education, visit www.aiche.org/education.

MAY 29, 2013 2:00–3:30 PM ET	AIChE & A&WMA Web Forum: Air Quality and Greenhouse Gas Implications of Shale Gas Development and Use Presenters: Garvin Heath, Mike Pring Moderator: Richard Siegel
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