



Institute News

2012 Board of Directors' and Institute Awards To be Presented at the Pittsburgh Annual Meeting's Honors Ceremony

Some of chemical engineering's most accomplished people will be recognized with the presentation of the 2012 Institute and Board of Directors' Awards. The awards will be given at the annual Honors Ceremony, on Sunday, Oct. 28, at the AIChE Annual Meeting in Pittsburgh, PA.

AIChE members in all areas of practice and academics are encouraged to nominate qualified candidates for future awards. The Awards Committee is especially interested in receiving more nominations from, and on behalf of, members engaged in the industrial practice of chemical engineering. Visit the AIChE website for more information about the Institute and Board awards: www.aiche.org/community/awards. The deadline for 2013 nominations is Feb. 15, 2013.



Founders Award for Outstanding Contributions to the Field of Chemical Engineering

George Stephanopoulos, Massachusetts Institute of Technology

"For major pioneering contributions to fundamental research, industrial practice, and education in Process Systems Engineering, and international intellectual and professional leadership in Industrial R&D Management."



F. J. and Dorothy Van Antwerpen Award for Service to the Institute

Sponsor: The Dow Chemical Co.

GV Rex Reklaitis, Purdue Univ.

"For exemplary service to AIChE and the chemical engineering profession at large, through his editorships of various journals and invaluable service on several professional committees."



William H. Walker Award for Contributions to Chemical Engineering Literature

Sponsor: John Wiley and Sons

Jacob Israelachvili, Univ. of California, Santa Barbara

"For major contributions to the chemical engineering literature, including his textbook, 'Intermolecular and Surface Forces,' and his highly cited review and research publications."



Professional Progress Award for Outstanding Progress in Chemical Engineering

Sponsor: Air Products

Brian A. Korgel, Univ. of Texas at Austin

"In recognition of his leading research in nanoparticle and nanowire synthesis and characterization."



Allan P. Colburn Award for Excellence in Publications by a Young Member of the Institute

Sponsor: E. I. du Pont de Nemours & Co.

Kevin D. Dorfman, Univ. of Minnesota

"For the integrated use of theory, simulation, and experiments to understand the structure and dynamics of DNA and their application to genomics technologies."



R. H. Wilhelm Award in Chemical Reaction Engineering

Sponsor: ExxonMobil Research and Engineering

W. Nicholas Delgass, Purdue Univ.

"For fundamental advances in the understanding and engineering of catalysts through pioneering contributions in techniques for catalyst characterization, reaction and catalyst chemistry, and catalyst design."



Alpha Chi Sigma Award for Chemical Engineering Research

Sponsor: Alpha Chi Sigma Educational Foundation

Nicholas L. Abbott, Univ. of Wisconsin-Madison

"For research leadership in colloid and interface science, leading to fundamental and applied advances in molecular self-assembly, design of organic interfaces, and anisotropic soft matter."



Warren K. Lewis Award for Chemical Engineering Education

Sponsor: ExxonMobil Research and Engineering

William M. Deen, Massachusetts Institute of Technology

"For intellectual contributions to a pedagogy that integrates fundamentals with problem solving, and for applying this approach to membrane transport, renal function, and carcinogenesis."



Lawrence B. Evans Award for Chemical Engineering Practice

Sponsor: CACHE Corp.

W. S. Winston Ho, The Ohio State Univ.
"For his industrial chemical engineering practice with pioneering and sustained outstanding contributions to novel separations, gas treating invention and commercialization, new membranes, and their novel applications."



Institute Award for Excellence in Industrial Gases Technology

Sponsor: Praxair, Inc.

Gary T. Rochelle, Univ. of Texas at Austin
"In recognition of his comprehensive fundamental work and his development of concentrated piperazine for CO₂ capture from combustion gases by amine scrubbing."



Industrial Progress Award

Narayan Ramesh, Dow Chemical Co.
"For championing and implementing a physics of failure approach to reliability for the Dow POWERHOUSE Solar Shingle, and the photovoltaic industry."



Industry Leadership Award

Joseph V. Porcelli, JVP International, Inc.
"For technical and commercial executive, managerial, and hands-on leadership in the development, implementation, and maintenance of a wide variety of new chemical processes."



Industrial Research and Development Award

Donald R. Miller, Pfizer
"For outstanding achievement in the industrial practice of chemical engineering toward the successful development and commercialization of pharmaceutical and biomedical products."



Engineering and Construction Award

Troy J. Campione, Consultant
"For extraordinary contributions in applying chemical engineering and business development practices to commercialization of synthetic biology, industrial biotechnology, material science-based renewable energy, and chemical technologies."



Award for Service to Society

Sponsor: Fluor Corp

Channing R. Robertson, Stanford Univ.
"For extraordinary service to the U.S. judicial system in advancing rules of evidence and forensic technology, and to the World Health Organization toward decreasing the devastating health effects of worldwide tobacco addictions."

Marin will Deliver Danckwerts Lecture at Pittsburgh Annual Meeting, Oct. 29

Guy B. Marin, professor of chemical reaction engineering and director of the Laboratory for Chemical Technology at Ghent Univ. (Belgium), has been selected as the 2012 Danckwerts Memorial Lecturer. His lecture, entitled "Chemical Engineering and Kinetics, a 'Pas de Deux' of Theory and Experiment," will take place on Monday, Oct. 29, 11:15 am, during AIChE's Annual Meeting in Pittsburgh, PA (www.aiche.org/annual).

Marin is the Editor-in-Chief of the journal *Advances in Chemical Engineering*, and the author (with Y. Yablonsky) of the recently published book, *Kinetics of Chemical Reactions: Decoding Complexity* (Wiley-VCH). He is a member of the editorial board of *Applied Catalysis A: General*.

The annual Danckwerts Lecture honors Peter V. Danckwerts, who was the second professor of chemical engineering at the Univ. of Cambridge, the founding editor of the journal

Chemical Engineering Science, and the originator of some of the theoretical approaches that are central to chemical engineering (including residence time theory, which has applications in material flow accounting). The lecture is sponsored by Elsevier (publisher of *Chemical Engineering Science*), the Institution of Chemical Engineers (IChemE), the European Federation of Chemical Engineering (EFCE), and AIChE. The lecture is presented in even years at AIChE's Annual Meeting, and in odd years by EFCE.

Danckwerts is the subject of a new biography, *Life on the Edge: Peter Danckwerts GC MBE FRS, brave, shy, brilliant*, by Peter Varey. The book will be reviewed in an upcoming issue of *CEP*.



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.)

OCT. 4–5, 2012	AIChE Regional Process Technology Conference Southshore Harbour Conference Center • League City, TX
OCT. 26–29, 2012	AIChE Annual Student Conference The David L. Lawrence Convention Center • Pittsburgh, PA
OCT. 28–NOV. 2, 2012	AIChE Annual Meeting and 3rd International Congress on Energy The David L. Lawrence Convention Center • Pittsburgh, PA
NOV. 1–2, 2012	AIChE-A&WMA Joint Workshop: Shale Oil and Gas E&P — Water Challenges and Opportunities The David L. Lawrence Convention Center • Pittsburgh, PA
NOV. 11–14, 2012	Society for Biological Engineering's (SBE) and Institute for Sustainability's (IfS) Sustainability in (Bio)Pharmaceuticals Conference Sheraton Old San Juan • San Juan, PR
DEC. 3–5, 2012	Arctic Technology Conference George R. Brown Convention Center • Houston, TX
JAN. 13–16, 2013	SBE's 4th International Conference on Biomolecular Engineering Hyatt Pier 66 • Fort Lauderdale, FL
JAN. 31–FEB. 1, 2013	2013 Midwest Regional Conference Illinois Institute of Technology • Chicago, IL
FEB. 24–26, 2013	SBE's 3rd International Conference on Accelerating Biopharmaceutical Development Coronado Island, CA
APR. 25–MAY 2, 2013	AIChE Spring Meeting and 9th Global Congress on Process Safety Grand Hyatt San Antonio • San Antonio, TX

Webinars

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

OCT. 3, 2012 2:00–3:00 PM ET	Marcellus Shale Gas Wastewater Reuse and Recycle Presented by Jessica Gray
OCT. 17, 2012 2:00–3:00 PM ET	Working Across Distances: The Challenge of Global Teams Presented by Henry Kohlbrand
OCT. 24, 2012 2:00–3:00 PM ET	Critically Thinking about Critical Thinking Presented by Greg Shaffer and Melissa Collins
DEC. 12, 2012 2:00–3:00 PM ET	Safety in the LNG Value Chain Presented by Georges Melhem and Henry Ozog

AIChE Education Calendar

Instructor-Led Training

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

OCT. 4–5, 2012 LAS VEGAS, NV	CCPS's Advanced Concepts for Process Hazard Analysis Course # CH754 • Instructor: Robert Johnson
NOV. 28–30, 2012 ORLANDO, FL	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
DEC. 3–5, 2012 ORLANDO, FL	Distillation in Practice Course # CH004 • Instructor: John P. Farone
DEC. 4–5, 2012 ORLANDO, FL	Flow of Solids in Bins, Hoppers, Chutes and Feeders Course # CH032 • Instructor: Eric Maynard
DEC. 5–7, 2012 ORLANDO, FL	CCPS's Emergency Relief Systems Design using DIERS Technology Course # CH173 • Instructors: Two of the following: Robert D'Alessandro, Harold Fisher, John Hauser, James Huff, Arthur Shaw
DEC. 5–7, 2012 ORLANDO, FL	CCPS's The OSHA Regulatory Approach to Process Safety Management Course # CH501 • Instructor: Adrian Sepeda
DEC. 6, 2012 ORLANDO, FL	Pneumatic Conveying of Bulk Solids Course # CH033 • Instructor: Eric Maynard
FEB. 25–27, 2013 NEW ORLEANS, LA	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
MAR. 4–6, 2013 LAS VEGAS, NV	CCPS's The OSHA Regulatory Approach to Process Safety Management Course # CH501 • Instructor: Adrian Sepeda
MAR. 4–6, 2013 NEW ORLEANS, LA	CCPS's HAZOP Studies and other PHA Techniques for Process Safety and Risk Management Course # CH157 • Instructor: Robert Johnson
MAR. 7–8, 2013 NEW ORLEANS, LA	CCPS's Advanced Concepts for Process Hazard Analysis Course # CH754 • Instructor: Robert Johnson
MAR. 11–12, 2013 HOUSTON, TX	Heat Exchanger Design and Operations Course # CH294 • Instructor: Thomas G. Lestina
MAR. 11–13, 2013 LAS VEGAS, NV	CCPS's Emergency Relief Systems Design using DIERS Technology Course # CH173 • Instructors: Two of the following: Robert D'Alessandro, Harold Fisher, John Hauser, James Huff, Arthur Shaw
APR. 9–11, 2013 SAN FRANCISCO, CA	Flow of Solids/Pneumatic Conveying Combo Course Course # CH757 • Instructors: Eric Maynard, Herman Purutyan, Thomas G. Troxel