



Institute News

William Koros is Named 63rd Institute Lecturer

William J. Koros, the Roberto C. Goizueta Chair and Georgia Research Alliance Eminent Scholar in Membranes at the Georgia Institute of Technology, has been selected as AIChE's 63rd Institute Lecturer. Koros will present "Beyond Water: Expanding the Spectrum of Efficient Large Scale Separations," on Wednesday, Oct. 19, 2011, at the AIChE Annual Meeting in Minneapolis, MN. (See the related article on pp. 16–18.)

Koros will discuss how innovations in membrane materials, structures, modules, and system design have fundamentally changed the water purification industry over the past four decades, and how recent developments have spread beyond water to gaseous species that are more difficult to separate.

Koros joined the School of Chemical Engineering at Georgia Tech in 2001, after serving as Chair of Chemical Engineering at the Univ of Texas at Austin. He has published more than 300 articles and holds 14 U.S. patents in the areas of sorption and transport of small molecules in membranes,

barrier materials, and sorbents. He served as Editor-in-Chief of the *Journal of Membrane Science* from 1991–2008.

A Fellow of AIChE, Koros is a member of the National Academy of Engineering and a Fellow of the American Association for the Advancement of Science. He has previously been honored by AIChE with its Award for Excellence in Industrial Gases Technology, the William H. Walker Award for Excellence in Chemical Engineering Publications, and the Separations Div.'s Clarence Gerhold Award. He has also received the Alan S. Michaels Award for Innovation in Membrane Science and Technology from the North American Membrane Society. He is one of 12 KAUST Investigators selected worldwide to help launch the King Abdullah Univ. of Science and Technology in Saudi Arabia focused on solving key problems facing society.



Upstream Engineering and Flow Assurance Forum Promotes Interdisciplinary Collaborations

A new AIChE technical forum is welcoming participation by AIChE members and nonmembers alike, with a special focus on practitioners outside of chemical engineering.

The Upstream Engineering and Flow Assurance (UE&FA) Forum, formally established in May 2011, is being launched as "an international meeting place for engineers, scientists, and technologists who work in developing and producing critical natural resources, like oil and natural gas," says AIChE President-elect David Rosenthal. The forum's wide-ranging technical programming — scheduled to debut at the jointly sponsored AIChE/Society of Petroleum Engineers (SPE) Workshop on Challenges in Flow Assurance, to be held Sept. 26–28, 2011, in Houston, TX (see related article on p. 19) — will promote the application of sound chemical engineering principles and fundamentals across the entire spectrum of upstream practice.

Upstream engineering relates to the overall realm of safe, optimal production of natural resources from reservoirs and delivering them to downstream entities. Norman Carnahan, chair of the UE&FA Forum, notes that "many of today's chemical engineers are working for energy-producing companies and engineering-and-construction firms that service the upstream area of chemical engineering applications in oil and gas production, enhanced recovery, design and operation of deepwater production systems, and other practices. Yet

many organizations involved in upstream don't focus on the chemical engineering aspects. The Upstream Engineering and Flow Assurance Forum fills this gap."

The forum also seeks to fill the crucial gap between chemical engineers and practitioners of other specialties. Carnahan notes that chemical engineering principles are increasingly being applied to a variety of upstream activities, including ultra-deepwater production systems, flow assurance, subsea separation and processing systems, complex fluids for drilling high-pressure and high-temperature reservoirs, clathrates, emulsions, fluids for removal of formation damage, complex reservoir fluid-phase behavior, and Arctic systems. "The UE&FA Forum is specifically organized to allow participation and information exchange by our colleagues from other technical disciplines, such as physical chemistry, petroleum engineering, mechanical engineering, applied mathematics, etc.," says Carnahan. "They merely need to join the forum and can participate as members."

In addition to presenting sessions at the Workshop on Challenges in Flow Assurance, the UE&FA Forum is developing a series of special sessions for the 2012 AIChE Spring Meeting, to be held in Houston, April 1–5.

For information on the forum's activities and how to become involved, visit www.aiche.org/upstream-engineering-flow-assurance-forum.aspx.

AIChE Board Election: Ballots to be Mailed in August

In June and July, *CEP* featured position statements and biographies of president-elect, treasurer, and director candidates for the 2012 election.

This information is available on the web at www.aiche.org/election. Paper ballots will be mailed on Aug. 8 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.*

Electronic proxy will be available Aug. 8 through Sept. 6. To use this electronic submission instead of a paper ballot, visit <http://aiche.societyelection.com> on or after Aug. 8. 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. 6, 2011.

Election results will be announced at AIChE's Annual Meeting in Minneapolis, MN, and in the November issue of *CEP*. If you have questions about the election, please email 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 Burka and Secretary Ogden to vote on your behalf for the indicated candidates.*



In Memoriam

Ralph C. Barley, 93, New Milford, CT

Paul H. Bartholomew, 93, Springfield, IL

Joseph C. Betteken, 88, St. Louis, MO

Edgar B. Hall, 93, Lancaster, PA

Albert E. Marshall, 90, Sarastoa, FL

Sol Ruden, 91, Lincolnwood, IL*

Carl Vander Linden, 87, New Gloucester, ME*

* AIChE Fellow

AIChE Calendar

Conferences



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.)

AUGUST
8–10, 2011

3rd CCPS Latin American Process Safety Conference and Expo

Hilton Buenos Aires Hotel • Buenos Aires, Argentina

SEPTEMBER
11–15, 2011

56th Annual Safety in Ammonia Plants and Related Facilities Symposium

Sheraton Montreal Hotel • Montreal, QC

SEPTEMBER
26–28, 2011

6th AIChE/SPE Joint Workshop — Challenges in Flow Assurance and Crude Oil Quality

Omni-Houston Westside • Houston, TX

OCTOBER
4–6, 2011

Offshore Technology Conference (OTC) Brasil 2011

Riocentro • Rio de Janeiro, Brasil

OCTOBER
6–7, 2011

AIChE Regional Process Technology Conference

Moody Gardens Hotel • Galveston, TX

OCTOBER
16–21, 2011

2011 AIChE Annual Meeting

Minneapolis Convention Center • Minneapolis, MN

OCTOBER
23–26, 2011

1st Middle East Process Engineering Conference and Exposition (MEPEC)

Gulf International Convention Centre and Gulf Hotel • Bahrain



Scheduled Webinars

Register and view live and archived webinars at <http://www.aiche.org/webinars/>

AUG. 10, 2011
2:00–3:00 PM ET

AIChE Sustainable Engineering Forum (SEF) Webinar: Accounting for Ecosystem Services in Strategic Business Decision Making

Presented by Bhavik Bakshi

Free for SEF Members

SEPT. 7, 2011
2:00–3:00 PM ET

Solids Processing and Particle Technology: Principles of Drying

Presented by Dr. Karl V. Jacob

SEPT. 14, 2011
2:00–3:00 PM ET

AIChE's Leadership Webinars: Chemical Engineering Essentials from Academic Authors — Session Ten: Chemical Reaction Engineering Part Two: Non-Isothermal Design and Analysis

Presented by Dr. H. Scott Fogler

SEPT. 21, 2011
2:00–3:00 PM ET

AIChE Sustainable Engineering Forum (SEF) Webinar: Resilience and Sustainable Development

Presented by Dr. Joseph Fiksel

Free for SEF Members