



13 AICHE®

Spring Meeting, San Antonio, TX

The 2013 Spring Meeting and 9th Global Congress on Process Safety (GCPS) delivered nearly 150 technical sessions across seven topical conferences and special program tracks. Held at the Grand Hyatt Hotel and the Henry B. Gonzalez Convention Center in San Antonio, TX, the conference attracted 2,350 registrants from over 50 countries, contributing to the diversity and international perspectives offered at the meeting. Among the special events and highlights was a new topical conference on Chemical Manufacturing for the 21st Century. At the Process Development Div. plenary session, Richard Palluzi (ExxonMobil) spoke on “Pilot Plants: Past, Present, and Future,” and Joseph Powell (Shell) presented a talk entitled “Process Development: Managing Risk and Expectations.” Another well-received session was devoted to professional licensure. Social events included receptions, a networking luncheon, and events tailored especially to the interests of young chemical engineering professionals.



▲ R. Bruce Eldridge (left) and Nicholas Urbanski, the Spring Meeting's Program Co-Chair and Chair, respectively, received thank-you plaques at the Gathering of Leadership reception.



▲ More than 70 undergraduate chemical engineers from across the country attended a special Spring Meeting student program — which incorporated an industry-leader panel, roundtable discussions, career advice, a mixer for students and young professionals, and more.

▶ Glenn Taylor (left), a former Executive Director of AICHE and a Trustee of the AICHE Foundation, was one of the many Institute leaders and colleagues who gathered to honor John McKetta at a Foundation-sponsored reception. At the celebration, McKetta shared anecdotes about his career — from working in a Pennsylvania coal mine during the 1930s to his storied career at the Univ. of Texas at Austin, where he continues to mentor generations of chemical engineers.




9TH GLOBAL CONGRESS ON PROCESS SAFETY

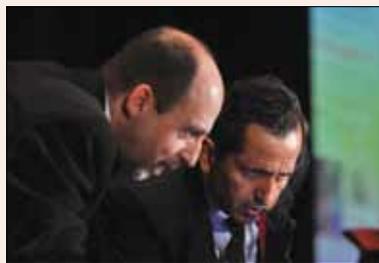
Presented by AICHE's Center for Chemical Process Safety (CCPS) and the Safety and Health Div., the 9th Global Congress on Process Safety (GCPS) incorporated the 47th Loss Prevention Symposium, the 15th Process Plant Safety Symposium, and the 28th CCPS International Conference. The GCPS set new attendance records, with more than 1,100 registrants representing 44 countries and 350 companies. International perspectives on process safety were a key component of the conference, including well-attended sessions presented in Spanish and Portuguese, and a new session on process safety in Japan. The Global Congress also sponsored short courses and co-hosted some of the Spring Meeting's major events, including the Opening Keynote Address and a new dual-format poster session.



▲ On Monday morning, Apr. 29, GCPS Chair Victor Edwards kicked off the GCPS Welcome Plenary Session.



▲ An expanded Process Safety Management Mentoring (PSM²) symposium focused on the needs of young professionals in the process safety field. From left: John Panariello (BakerRisk), Peter Lodal (Eastman Chemical), and Kathleen Kas (Dow Chemical) were among the panelists at a roundtable discussion devoted to early career issues for young professionals.



▲ Daily luncheon speakers were among the highlights of the GCPS. Left photo: Scott Berger (left), Director of AICHE's Industry Technology Alliances, consults with V. V. SuryaRau, President of Group Manufacturing Services at Reliance Industries Ltd., who presented a luncheon talk entitled “Taking the Religion of Process Safety to the Land of Ancient Religions” on Monday, Apr. 29. Center photo: At Tuesday's GCPS Luncheon, Fred Henselwood, Process Safety Leader at NOVA Chemical Corp., discussed “Risk: Science and Perceptions, and Why We Fail.” Right photo: Wednesday's luncheon featured Néstor Fernando Saavedra, Vice President of Innovation and Technology at Ecopetrol, who talked about his company's “Strategy and Challenges in Process Safety.” More than 650 GCPS conference participants attended each luncheon.



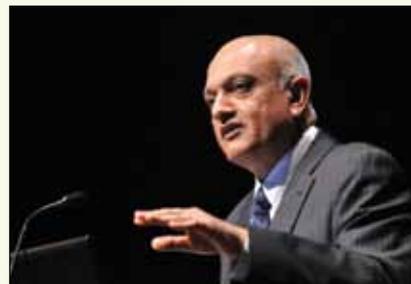


▲ At the Apr. 27 Gathering of Leadership reception, AIChE President Phillip Westmoreland (left) and Secretary Christine Seymour (right) presented the Institute's George Lappin Award to Virendra Mathur (Univ. of New Hampshire), in recognition of his contributions to AIChE meeting programming.



▲ Yu-Nan Liu (left), LNG Technical Director at Air Products, chatted with colleagues at the Gas Utilization Topical Conference Keynote Luncheon. Liu's keynote talk was entitled "LNG Technology Development at Air Products." The Gas Utilization Conference included a panel on shale oil and gas.

▶ Aamir Farid, Vice President of Manufacturing – Americas at Shell, delivered the Spring Meeting and Global Congress on Process Safety's Keynote Address. His lecture was entitled "Delivering Innovative Solutions for an Energy Future."



▲ A new topical conference on Emerging Technologies in Clean Energy in the 21st Century was expanded this year, with a keynote address by Sunita Satyapal, Director of the Fuel Cell Technologies Office at the U.S. Dept. of Energy. Her talk, entitled "Progress and Challenges in Emerging Clean Energy Technology," presented DOE case studies in hydrogen and fuel cells.



▲ The 25th Ethylene Producers' Conference featured an overview of the past 25 years in the ethylene industry, and kicked off with a keynote talk by Martin Bruce, Vice President of Engineering and Projects at NOVA Chemicals, who presented his reflections on "Ethylene: Past, Present, and Future."

AIChE Thanks the Meeting's Corporate Sponsors

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▲ Michael Thien, Senior Vice President of Global Science, Technology, and Commercialization at Merck, presented the Industrial Leadership Keynote Address, "Managing Science and Technology in a Virtual Way," on Apr. 30.



▲ At the Fuels and Petrochemicals Div. Welcome Session, Dan Romasko, Executive Vice President of Operations at Tesoro Corp., presented a keynote talk on "Rebirth of Manufacturing in the U.S: What are the Implications for Chemical Engineers?"



▶ The Spring Meeting and Global Congress' exhibition featured scores of exhibitors, and offered an ideal venue for meeting attendees to network, conduct business, and learn.

◀ A dual-format poster session debuted at this year's Spring Meeting and Global Congress on Process Safety. Selected authors presented their research in electronic format. These digital posters complemented the many traditional posters on display.





Institute News

Saudi Arabia Section Will Host an Expanded Middle East Process Technology Conference — Sept. 29 – Oct. 2, in Bahrain

A IChE's Saudi Arabia Local Section (SAS-AIChE) will welcome an international contingent of some 1,500 process industry engineers, researchers, and business and technology leaders to the 2nd Middle East Process Technology Conference (MEPEC 2013; www.mepec.org) Sept. 29 – Oct. 2 at the Bahrain International Exhibition and Convention Centre, in the Kingdom of Bahrain. MEPEC will be held under the patronage of the Prime Minister of the Kingdom of Bahrain, H.R.H. Prince Khalifa Bin Salman Al Khalifa. AIChE is the Main Supporting Organization for MEPEC 2013, which will provide a forum where engineers and other process industry professionals — including owners, contractors, consultants, technology providers, equipment suppliers, and policymakers — can share best practices, discuss the challenges faced by the oil, gas, refining, chemicals and petrochemicals industries, and explore potential solutions to some of their most pressing concerns.

MEPEC 2013 will build on the success of the inaugural MEPEC, held in Bahrain in Oct. 2011. That conference, founded and organized by SAS-AIChE Chair Abdulmohsen (Mohsen) Al Majnoui and his executive team, attracted more than 1,000 delegates from organizations in the Middle East and around the world, who shared knowledge on all aspects of process engineering — from new technology, supply chain optimization, and sustainable practices, to product quality, feedstocks, workforce challenges, and more. Saudi Aramco, SABIC, and other companies' support and participation were instrumental to the success of MEPEC 2011.

According to Al Majnoui, the overwhelming positive response to MEPEC 2011 motivated SAS-AIChE to not only organize a second MEPEC, but also to expand it into a truly international conference and exhibition for the process engineering community.

MEPEC 2013 will feature the debut of:

- a 150-exhibitor trade exposition devoted to the oil, gas, and petrochemicals industries — the first of its kind in the Arabian Gulf region
- 15 keynote speakers
- six plenary sessions by key industry decision-makers
- a digital poster plaza, where selected session speakers will present their research using electronic media
- a student component to foster participation by young people in the process engineering sector
- new programming devoted to process safety
- a dozen preconference workshops.

Organized around the theme “Overcoming Future Chal-

lenges through Engineering Excellence,” MEPEC 2013 will focus on how “smart” engineering, together with manufacturing and operational excellence, create value in the process industries. The program will be built around seven key topics: manufacturing and operational excellence; capital project efficiency; process automation and optimization; process safety and risk mitigation; clean fuel, environment, and sustainability; process and molecular modeling; and skills, talent, and technology development.

More than 200 experts will share innovative ideas and feasible solutions to the challenges faced by the upstream and downstream sectors of the oil and gas, petrochemicals, and hydrocarbon processing industries — at technical sessions, in plenaries and keynote talks, at roundtable discussions, and during social events.

In addition to its role as Main Supporting Organization, AIChE representatives will participate in several sessions. AIChE's 2013 President Phillip Westmoreland will deliver an opening plenary keynote during the opening ceremony on Sunday, Sept. 29. Leaders of AIChE's Center for Chemical Process Safety (CCPS) will contribute, with a talk by Scott Berger, Director of AIChE's Industry Technology Alliances, and a technical session devoted to process safety. CCPS will also present two preconference workshops — “Recognizing Catastrophic Incident Warning Signs and Conduct of Operations” (Sept. 28), and “The Leader's Toolbox for Process Safety Management” (Sept. 29).

Halim Hamid Redhwi, a member of the MEPEC organizing committee, notes that the conference planners elected to return to the Kingdom of Bahrain for MEPEC 2013 because of its position at the gateway to the Arabian Gulf's petrochemicals industry, as well as its being an attractive destination for international business. “The Kingdom has become a strong base for petrochemicals and value-added products, and it has also become a hub for research and technology development in the field,” says Redhwi. He adds that many international companies are looking for investment opportunities in Bahrain's petrochemical sector.

Al Majnoui and his SAS-AIChE colleagues are again playing key roles in promoting and administering the conference — including identifying keynote and plenary speakers, arranging an opening ceremony, selecting technical session and workshop topics, and developing the conference theme.

The July issue of *CEP* will feature a closer look at MEPEC 2013 technical program. For up-to-date program and registration information, visit www.mepec.org.

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.)

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. 3–5, 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 (MEPEC 2013 — Co-sponsored by AIChE) International Convention Center • Bahrain
OCT. 3–4, 2013	AIChE Southwest Process Technology Conference Moody Gardens Hotel and Convention Center • Galveston, TX
OCT. 20–24, 2013	Water Energy Nexus Workshop Hilton Alexandria Old Town Hotel • Alexandria, VA
OCT. 21–23, 2013	Carbon Management Technology Conference Hilton Alexandria Old Town Hotel • Alexandria, VA
OCT. 29–31, 2013	Offshore Technology Conference (OTC) Brazil Rio de Janeiro, Brazil
NOV. 1–4, 2013	2013 AIChE Annual Student Conference Hilton San Francisco Union Square • San Francisco, CA
NOV. 3–8, 2013	2013 AIChE Annual Meeting Hilton San Francisco Union Square • San Francisco, CA
DEC. 10–12, 2013	Northeast Manufacturing Conference at the ChemShow Javits Convention Center • New York, NY

AIChE Education Calendar

Instructor-Led Training

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

JUNE 10–12, 2013 HOUSTON, TX	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
JUNE 17–20, 2013 HOUSTON, TX	Process Safety Boot Camp Course # CH900 • Instructors: Adrian Sepeda, Brian Kelly, Dennis Hendershot, Donald Abrahamson, James Conner, Jerry Jones, John Herber, John Murphy, Louise Nara, Robert Ormsby
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
JUNE 18–20, 2013 TORONTO, ON, CANADA	Combo Course: Flow of Solids AND Pneumatic Conveying Course # CH757 • Instructors: Eric Maynard, Herman Purutyan
SEPT. 16–18, 2013 ATLANTA, GA	Chemical and Bioengineering Fundamentals for Technical and Scientific Professionals Course # CH024 • Instructor: Dale Gyure
SEPT. 16–18, 2013 ATLANTA, GA	Essentials of ChE for Non-Chemical Engineers Course # CH710 • Instructor: Jack Hipple
SEPT. 16–19, 2013 SAN DIEGO, CA	Combo Course: Project Evaluation AND Capital Cost Estimating Course # CH758 • Instructor: John Williams

Webinars

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

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
JULY 10, 2013 2:00–3:00 PM ET	Realities of CCS: Geological Sequestration Presenters: Bruce J. Kobelski and Mary Rose Bayer
JULY 24, 2013 2:00–3:00 PM ET	Managing Process Safety Risk During Organizational Change Presenter: John Wincek
AUG. 21, 2013 2:00–3:00 PM ET	Air Quality Impacts of Expanded Natural Gas Production and Use Presenter: David Allen