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2ND ANNUAL

CHEM|INNOVATIONS 2011 | CONFERENCE & EXPO

SEPTEMBER 13-15, 2011

Houston, Texas

GEORGE R. BROWN CONVENTION CENTER, HALL C

**Register by September 9th for FREE
3-Day Exhibit Floor access plus
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great FREE programs!**

- » Access to Turbomachinery & Pump Users Symposia expos from ChemInnovations
- » Industry Networking Receptions
- » Keynote and General Sessions
- » Cumentator Lightning Round
- » Technology Tours of Controls, Instrumentation, & Automation Experts

PRESENTED BY

**CHEMICAL
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CO-LOCATED WITH



**Houston
Section**

Annual Conference & Exhibition



40th Turbomachinery
Symposium



**INTERNATIONAL
PUMP
USERS SYMPOSIUM**

Get a "First Look" at the Technologies Driving the Future of the Industry from Key Suppliers on the Exhibit Floor



3V TECH Group
Anton Paar USA
Apollo Valves
Applikon USA, a Metrohm Company
Auma Actuators, Inc.
Bayer Technology Services
BHS-Filtration Inc.
BIAR Sampling Systems
BIC Alliance
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Construction Safety Experts Inc.
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Daiichi Jitsugyo (AMERICA), Inc.
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Emerson Process Management
ENVIRON International Corp.
EPLAN Software & Services
FELUWA Pumpen GmbH
Fluoroseal Specialty Valves
GEMÜ Valves, Inc.
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Greystone Alloys
Hammelmann Corporation
Heat Transfer Research, Inc.
Honeywell Process Solutions

Houston Polytank
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Industrial Info Resources
Ingersoll Rand Industrial Technologies
Intergulf Corporation
Invensys Operations Management
Jenike & Johanson Inc.
Key Bellevilles, Inc.
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LCS Constructors, Inc.
LESER LLC
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MRAMCO
NETHERLOCKS USA
NSR Technologies, Inc.
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OSECO
Oxford Catalysts and Velocys
Paratherm Corp.
People and Processes, Inc
PIP-Process Industry Practices
Plasticon North America Inc
Plastocor Inc
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Resource Development Company
Rosedale Products Inc
Rotork Controls Inc
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INTERESTED IN EXHIBITING OR SPONSORING?

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Valve Source Inc
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Visionary Industrial Insulation
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OIL. GAS. CHEMICALS. PETROCHEMICALS. PETROLEUM REFINING. PLASTICS.

Whatever Segment of the Industry You Work in, ChemInnovations Offers Something for You!

THESE PROGRAMS ARE FREE TO ALL ATTENDEES – DELEGATES, EXHIBITORS AND EXPO-PASS VISITORS

KEYNOTE & GENERAL SESSIONS

TUESDAY, SEPTEMBER 13, 8:30 – 9:30 A.M.

U.S. Oil, Natural Gas, and Natural Gas Liquids (NGL) Outlook and its Impact on the Chemical Industry by 2020



Jim Peters, Head of Downstream Consulting, Americas, Wood Mackenzie

The nature of the U.S. oil industry is changing. New oil finds, in particular Shale Oil, are already having a drastic impact on oil prices and NGL markets nationwide. Increased natural gas and NGL supplies are drastically altering the way chemical companies are viewing feedstocks and products in the future. This keynote session will focus on the changing oil and natural gas supply from Shale Oil and its impact on oil prices, NGL availability, refinery operations and ultimately chemical production in the U.S.

WEDNESDAY, SEPTEMBER 14, 8:15 – 9:30 A.M.

Automation: What's Next?



Peter Zornio, Chief Strategic Officer, Emerson Process Management

Since the advent of the distributed control system (DCS) in the mid 1970s, the role of the automation system has grown from basic "control the process" to the digital nervous system and information highway of real-time plant information, enabling many new production and efficiency applications. However, today's automation systems have also brought challenges around rapid technology change and security. The future holds the promise of even more benefits by increasing plant availability and safety, leveraging new technologies such as human centered design, increased field intelligence, and wireless. This presentation will explore some of today's issues and benefits, approaches to solving those issues, and proposes new benefit areas that will be enabled by modern automation architectures.

The Ever Evolving Industrial Control Systems Security Landscape: How DHS is Supporting the Chemical Sector



Marty Edwards, Director, Control Systems Security, Department of Homeland Security Control Systems Security Program

The Department of Homeland Security Control Systems Security Program (CSSP) sponsors and operates the Industrial Control Systems Cyber Emergency Response Team (ICS-CERT). The ICS-CERT provides a control systems cyber security focus to assist private industry and government organizations which own and operate the nation's critical infrastructure with the following services:

- » Respond to and analyze control systems related cyber security incidents
- » Conduct vulnerability and malware analysis
- » Provide onsite support for incident response and forensic analysis
- » Provide situational awareness information concerning potential vulnerabilities which could be exploited via a cyber attack
- » Develop mitigation strategies for improving the cyber security posture of control system networks

This presentation will highlight these no cost products and services, along with information concerning the current threats to the control system environment, especially as it pertains to the Chemical Sector. The presentation will also provide real world examples of the consequences of cyber incidents in critical infrastructure.

Co-located Events

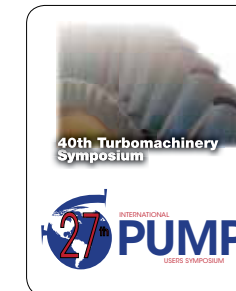


ISA Houston Section, www.houstonisa.org, will be hosting its annual exhibition in conjunction with the ChemInnovations Conference & Exposition on September 12-15, 2011 at George R. Brown Convention Center in Houston.

"The ISA Houston Section is continuously looking for new ways to provide more value to our members. We are confident our new partnership with ChemInnovations will fulfill the needs of both the market and industry professionals locally,"

Mike Huereca, Chairman, ISA Houston Section Conference & Exhibition and Past President of the ISA Houston Section.

Additional information is available at www.houstonisa.org.



The Pump And Turbo Symposia have combined! Two Excellent Technical Programs and Exhibitions for One Great Value!

Find answers to all your Turbomachinery problems: Pumps, Compressors, Steam and Gas Turbines and Auxiliary Equipment!

When attending ChemInnovations you will have the opportunity to visit Turbomachinery and Pump Users Symposia exhibit floors during the following hours:

Tuesday, September 13, 3:30 pm – 7:00 pm

Wednesday, September 14, 3:30 pm – 7:00 pm

Thursday, September 15, 9:00 am – 12:00 pm



Talk the future of automation

Monday, September 12 • 5:00 – 8:30 p.m.

Who: Engineering students, oil field professionals, and Young Automation Professionals

Where: DeVry University, Cafeteria Center
11125 Equity Drive (off Beltway 8)
Houston - 713-973-3148

Why: Food, music, troubleshooting, speed challenges, networking, industry exhibits, presentations by industry leaders. This unique networking event will give young automation, professionals (YAPs) and college students interested in careers in automation the chance to engage each other in a casual, festive atmosphere. This event will focus on the benefits of developing a professional network of colleagues and peers.

To support the event, all who attend will be asked for just \$5.00 each.

For more information or register at <http://yapfest.houstonisa.org>

Chemical Engineering Awards Reception

(additional fee of \$25 required for non-award nominees)

MONDAY, SEPTEMBER 12, 5:00 PM – 6:30 PM

During a reception at ChemInnovations Conference & Expo, Chemical Engineering will announce the winner for the Kirkpatrick Chemical Engineering Achievement Award.

This award recognizes and honors the most noteworthy chemical engineering technology commercialized anywhere in the world during the two years prior to a given award year. Chemical Engineering magazine has awarded this biennial prize continuously since 1933.



NOMINEES INCLUDE:

- ENVIRON International Corporation
- Cost-Saving Control Device for Facility-Generated Volatile Organic Compound (VOC) Emissions
- Invensys Operations Management and ConocoPhillips Advanced Alkylation Measurement Solution
- NSR Technologies, Inc.
- Environmentally Friendly Route for Producing Potassium Hydroxide (KOH) and Hydrochloric Acid (HCl)
- Oxford Catalysts and Velocys
- Technology: Small Scale, Modular Synthetic Fuel Technology

Register online through our online registration to attend Chemical Engineering's Reception honoring the Kirkpatrick Chemical Engineering Achievement Award nominees and hear the winner announced. For questions contact Cassie Davie at 713-343-1891. Price to attend is \$25.

GET YOUR FREE EXPO PASS to North America's Leading Oil, Gas, Chemical and Petrochemical Process Industries Event

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Houston, Texas
GEORGE R. BROWN
CONVENTION CENTER



c/o TradeFair Group
11000 Richmond, Suite 690
Houston, TX 77042 USA

EXHIBIT HOURS:

Tue., Sept. 13, 2011
11:30 a.m. – 7:00 p.m.

Wed., Sept. 14, 2011
11:30 a.m. – 7:00 p.m.

Thurs., Sept. 15, 2011
9:00 a.m. – 12 noon

**BUDGET
SAVER**

Register by September 9th at www.cpievent.com (use code ISAHS) to get your pass.