

# Learn **What's New** In Processing Technology and Techniques

## Attend Seminars and Workshops to Help You...

- + **Implement Solutions...**  
for Sustainability, Safety, Powder & Fluids Flow
- + **Apply Best Practices...**  
for Wireless, Conservation & Solids Processing
- + **Explore Opportunities...**  
for Nanotechnology Commercialization
- + **Be Product Savvy...**  
State-of-the-Art Technologies on the Market

Easy online Registration for Educational Programs  
Plus, Free Advance Exhibit Hall-only Registration:  
[www.chemshow.com](http://www.chemshow.com)

Save Up to 25%  
Register by October 31<sup>st</sup>  
[www.chemshow.com](http://www.chemshow.com)



**November 17-19, 2009**

Javits Convention Center  
New York City

Don't miss **the Learning Event of the year**  
for the Process Industries

- + **AICHe Day** – A full day of tutorials offering proven solutions to adapt to your projects
- + **Chemical Engineering's Educational Series** – Two days of seminars covering best practices and practical solutions to answer your toughest processing challenges
- + **Nano & Green Technology Symposium** – Three-day Symposium and Workshop focusing on the use, synthesis and commercialization opportunities for this emerging technology
- + **Pumping System Optimization Seminar** – One-day program on opportunities to improve life cycle performance
- + **Over 20 Free Exhibitor Solutions Workshops**
- + **Valves & Actuators Presentation, and more**



Discover the  
Latest Green  
& Sustainable  
Technology

November 17-19, 2009 • Javits Convention Center • NYC

# Be in the Know...

**Implement New Solutions • Apply Best Practices**  
**Explore Opportunities • Stay on the Cutting Edge**

With dozens of seminars and workshops for processing and plant professionals, learn about the latest best-practices and newest technology to meet today's processing challenges... and get your creative juices going. You'll take advantage of tomorrow's opportunities in seminars and workshops developed by some of the industry's most respected sources.

Then take time to visit the Exhibit Hall to see equipment, products or services that will help you implement what you've learned. Free Exhibit Hall admission is included with registration to any of the following programs. To attend the Exhibit Hall only, see inside for details.

**FREE TO ALL ATTENDEES — No registration necessary!**

**NEW!**

## + Valves 101 & Actuators 101

Presented by the **VMA**

Get an overview of the types, uses, standards and options for both valves and actuators. For newcomers as well as experienced industry professionals who need a refresher.

**NEW!**

## + Exhibitor Solutions Workshops

Held on the Exhibit Floor, over 20 Exhibitor Workshops present cutting-edge products and solutions. It's a unique opportunity for you to address specific problems along with other end-users in an open interactive forum.



**Offered for a nominal fee — Separate registration necessary**  
**Save Up to 25% — Register by October 31<sup>st</sup>**

**NEW!**

## + AIChE Day at the Chem Show

We are pleased to present, for the first time, AIChE Day at the Chem Show. Developed by AIChE, the world's largest association for chemical engineers, this one-day program addresses proven solutions to adapt to your projects including implementing sustainability and safety practices, powder and fluid flow solutions, and more. Choose one session in the morning, one in the afternoon, or both.

**EXPANDED!**

## + CHEMICAL ENGINEERING Educational Series

Developed by the editors of Chemical Engineering Magazine, this two-day program presented by one of the industry's foremost news sources, covers practical seminars for more efficient process operations. Here's your opportunity to select seminars that address solids processing, cost-effective conservation options, wireless technology and job hunting in this challenging economy. Choose up to three sessions (one per time period).

**UPDATED!**

## + NANO & GREEN Technology 2009 Conference & Symposium

Developed by: **iRAP**

This three-day program bridges the gap between science, technology and commercialization. Focusing on the use and synthesis of nanoengineered materials with an emphasis on biological applications including pharmaceuticals and devices, get an unmatched look at the state-of-the-art in these emerging technologies and their path to the marketplace. Choose one or both workshops, and/or the conference.

**NEW!**

## + Pumping System Optimization: Opportunities to Improve Life Cycle Performance

This one-day course developed by The Hydraulic Institute and Pump Systems Matter provides attendees with the information needed to conduct basic assessments of their pumping systems including: How to estimate the annual energy cost of a pumping system, how to match a system curve/pump curve and determine if the right pump is being used and how to improve a pumping system and determine the life cycle costs of each improvement. A completion certificate with 7 PDH credits from the Hydraulic Institute is included.

**The New**  
**CHEMSHOW**  
**Processing Solutions**  
for a Changing Marketplace

*For Seminars-At-a-glance turn page...  
Or for complete session descriptions  
or to register go online to: [www.chemshow.com](http://www.chemshow.com)*

# Special Programs Offered for a Nominal Fee

tuesday **NOVEMBER 17**

## Program At-A-Glance

Time	Program	Session Title
8:30am - 11:30am	AIChE Day	<b>Integrated Process Solutions for Solid-Liquid Separations;</b> Instructor: <i>Ray Collins, Dow Chemical</i>
8:30am - 11:30am	AIChE Day	<b>Chemical Product Design and Engineering;</b> Instructor: <i>Michael Hill, M. Hill &amp; Associates</i>
8:30am - 11:30am	AIChE Day	<b>Implementing Sustainability Practices into the Chemical Processing Industry;</b> Authors: <i>Carol English, Cytec; Charlene Wall, BASF; David Taschler, Air Products; and Darlene Schuster, Institute for Sustainability</i>
8:30am - 11:30am	AIChE Day	<b>Mixing Basics and Single Phase Mixing;</b> Instructor: <i>Dr. Thomas Post, Post Mixing</i>
8:30am - 11:30am	AIChE Day	<b>Fundamentals of Powder Flow Technology;</b> Instructor: <i>Eric P. Maynard, Senior Consultant, Jenike &amp; Johanson</i>
9:00am - 12:30pm	Nano and Green Technology Conference	<b>WORKSHOP 1: NANO 101 - Nanoparticle Measurements and Standards;</b> Instructors: <i>Dr. Clare M. Allocca, Chief, US Measurement Systems and Dr. Debra Kaiser, Chief Ceramics Division, Materials and Engineering Laboratory, National Institute of Standards and Technology (NIST).</i>
12:30pm - 3:30pm	AIChE Day	<b>Troubleshooting Common Pneumatic Conveying Problems;</b> Instructor: <i>Eric P. Maynard, Senior Consultant, Jenike &amp; Johanson</i>
12:30pm - 3:30pm	AIChE Day	<b>Process Safety Practices in the Chemical Processing Industry;</b> Instructor: <i>Greg Keeports, CCPS Fellow &amp; Staff Consultant</i>
12:30pm - 3:30pm	AIChE Day	<b>Micro and Ultra-Filtration Membranes for Pharmaceutical and Food Applications;</b> Instructor: <i>Scott Yaeger, President, Filtration and Separation Technology, LLC</i>
12:30pm - 3:30pm	AIChE Day	<b>Integrative Approach to Crystallization Process Development;</b> Instructor: <i>Christianto Wibowo, ClearWaterBay Technology</i>
12:30pm - 3:30pm	AIChE Day	<b>Multiphase Mixing;</b> Instructor: <i>Dr. Thomas Post, Post Mixing</i>
1:30pm - 5:00pm	Nano and Green Technology Conference	<b>WORKSHOP 2: NANO 102 - Colloids and Surfaces, Nanoparticle Synthesis and Processing;</b> See Instructors for Nano Workshop 1 above

wednesday **NOVEMBER 18**

Time	Program	Session Title
8:00am - 5:00pm	The Hydraulic Institute and Pump Systems Matter	<b>Pumping System Optimization: Opportunities to Improve Life Cycle Performance</b>
9:00am - 12:00pm	Chem Engineering Educational Series	<b>SOLIDS PROCESSING: Blending and Segregation and Their Effects on Product Quality;</b> Instructor: <i>Eric P. Maynard, Senior Consultant, Jenike &amp; Johanson</i>
9:00am - 11:30am	Chem Engineering Educational Series	<b>WIRELESS: Wireless and Asset Management - Small Investments, Quick Returns;</b> Instructor: <i>TBA</i>
9:00am - 5:00pm	Nano and Green Technology Conference	<b>Colloids and Surfaces, Nanoparticles, and Green Technology 2009: Emphasizing Emerging Science and Technologies, Materials, Applications, Commercialization and Business Opportunities;</b> See Instructors for Nano Workshop 1 above
1:00pm - 3:00pm	Chem Engineering Educational Series	<b>SOLIDS PROCESSING: Selection of Screws, Belts, and Rotary Valve Feeders for Reliable Flow and Rate Control;</b> Instructor: <i>Eric P. Maynard, Senior Consultant, Jenike &amp; Johanson</i>
2:00pm - 5:00pm	Chem Engineering Educational Series	<b>CAREER: How to Find and Secure the Best Job;</b> Instructor: <i>Jessalyn Cotter, Recruiting Manager, Engineering Resource Group</i>

thursday **NOVEMBER 19**

Time	Program	Session Title
8:45am - 9:45am	Chem Engineering Educational Series	<b>COST-EFFECTIVE CONSERVATION: Biomass Energy - Practical and Cost-effective Applications in the CPI;</b> Instructor: <i>Tim McGowan, TMTS Associates Inc.</i>
9:00am - 11:00am	Chem Engineering Educational Series	<b>SOLIDS PROCESSING: Preventing Bulk Solids Caking and Particle Attrition;</b> Instructor: <i>Eric P. Maynard, Senior Consultant, Jenike &amp; Johanson</i>
9:00am - 1:00pm	Nano and Green Technology Conference	<b>Colloids and Surfaces, Nanoparticles, and Green Technology 2009: Emphasizing Emerging Science and Technologies, Materials, Applications, Commercialization and Business Opportunities;</b> See Instructors for Nano Workshop 1 above
10:00am - 1:00pm	Chem Engineering Educational Series	<b>COST-EFFECTIVE CONSERVATION: Water Treatment and Reuse;</b> Instructor: <i>Peter Cartwright, Consulting Engineer</i>

**Register Today... Save Up to 25% — Register Online by October 31<sup>st</sup>: [www.chemshow.com](http://www.chemshow.com)**

	By October 31	After October 31
<b>AIChE Day</b> .....		
One Session .....	\$250	\$325
Two Sessions .....	\$450	\$550
<b>Chemical Engineering's Educational Series*</b>		
Half-day .....	\$250	\$250
Full-day .....	\$400	\$400
Two-days .....	\$525	\$525

\*25% discount for any visitor who also registers for AIChE Day

	By October 31	After October 31
<b>NANO &amp; GREEN Technology 2009 Conference &amp; Symposium</b>		
One Workshop .....	\$295	\$345
Two Workshops .....	\$495	\$575
Two-day Conference .....	\$495	\$595
Two-day Conference + One Workshop .....	\$645	\$745
Two-day Conference + Two Workshops .....	\$695	\$795
<b>Pumping System Optimization Full-day Seminar</b> .....	\$525	\$525

# Exhibitor Solutions Workshops **Free to all Attendees!**

tuesday **NOVEMBER 17**

## Program At-A-Glance



Time	Exhibitor	Title
10:00 am	ACE Glass, Inc.	Optimizing Pilot Plant Reactors & Efficiencies
10:00 am	Midwesco Filter Resources, Inc.	Technologies to Help You Meet EPA's PM2.5 Standard
11:00 am	Thermo Scientific NITON Analyzers	Alloy Grade Verification Made Simple
11:00 am	Metrohm USA Inc.	Bringing the Lab to the Process Floor
12:00 pm	Engineered Software, Inc.	Piping System Optimization: The Winning Trifecta
1:00 pm	Anguil Environmental Systems, Inc.	Heat Recovery Strategies for Greenhouse Gas and Energy Cost Reduction
1:00 pm	Alar Engineering Corp.	Fundamentals of Wastewater Treatment & Filtration Equipment
1:45 pm	Airflow Sciences Corp.	Flow Modeling for Chemical Processing
2:00 pm	Anguil Environmental Systems, Inc.	Emission Control Technologies for the Chemical Industry
2:30 pm	an ICAC Member Company	Alternative Monitoring Systems for the Chemical Industry
3:00 pm	Victaulic Company	The Victaulic Vortex Solution
3:15 pm	Midwesco Filter Resources, Inc.	Complying with the PM2.5 Emissions Standard

wednesday **NOVEMBER 18**

9:00am-12:00pm: Valve Manufacturers Association (VMA) FREE Presentation; **VALVES 101 & ACTUATORS 101**

10:00 am	Bayer Technology Services (BTS)	Ehrfeld Modular Microreactors - An Introduction
10:00 am	Coastal Skills Training	Industrial Energy Management: Best Practices and Training
11:00 am	Formulator & Color-Tec Software	Advances in Lab-Book Formulation Software
11:00 am	Tantaline Inc.	Tantaline: The Most Corrosion Resistant Surfaces Commercially Available for Valves, Fittings, Instrumentation & Custom Equipment
12:00 pm	Powder Systems Limited	Maximizing Yields from Nutsche Filter Dryers with High Containment Applications
12:00 pm	Fluid Metering, Inc.	Valveless, Ceramic Chem Feed Pumps for Water & Wastewater Applications
1:00 pm	Fike Corporation	Axius: The Most Advanced in Rupture Disc Technology
1:00 pm	A.W. Chesterton	Mechanical Seal Fundamentals
2:00 pm	Fluid Imaging Technologies, Inc.	Imaging Particle Analysis - A Primer
2:00 pm	ProSim - Process Simulation	Using Simulation to Optimize Process Efficiency
3:00 pm	Honeywell HPS	Moving Beyond Funding Roadblocks for Sustainable Process Operations
3:00 pm	Fike Corporation	Safely Venting Explosions Inside Your Facility

**No Registration Necessary!**

The Exhibitor Solutions Workshops held on the Exhibit Floor and the VMA Presentation are **FREE** to all attendees.

Discover the Latest Green & Sustainable Technology

Meet over **300** Exhibitors!

See the latest products, services and innovations that cover these applications:

Automation	Mixing/Blending	Size Reduction
Corrosion Control	Pollution & Environmental Control	System Design
Filtration & Separation	Powder & Solids Handling	Water & Wastewater Handling
Fluid Flow	Process Control	And more
Heating, Cooling & Drying	Quality Control & Testing	
Information Management	Research & Development	
Maintenance & Safety		

Admission to the Exhibit Hall is included with any conference program registration.

**PRE-REGISTER IN ADVANCE – Take Advantage of...**

**+** **FREE Exhibit Hall Registration**

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