CHEMICAL ENGINEERING

2013 Editorial Calendar

JANUARY

Energy Efficiency Report

Industry experts present opportunities for improving energy efficiency, including waste heat recovery technologies and rotating equipment guidelines.

FEATURE REPORTS:
- How to implement waste heat recovery
- Practical guidance on compressed air systems

FACTS AT YOUR FINGERTIPS: Water treatment

TECHNOLOGY COVERAGE:
- The latest in measuring powder flow
- Trends in pressure measurement & control

AD CLOSING DATE: 11/29/2012
AD MATERIALS DUE: 12/7/2012

FEBRUARY

Pressure Relief Report

Provides practical guidance on depressurization, including interaction with all affected equipment.

FEATURE REPORTS:
- Best practices in pressure relief
- High-temperature drying and kilns

FACTS AT YOUR FINGERTIPS: Steam handling options

TECHNOLOGY COVERAGE:
- Advances in motors and drives
- Software update

Bonus distribution: ARC Advisory Group Forum, Orlando, February 11-14; Informex, Anaheim, February 19-22

Advertising Readership Survey: Signet Research

AD CLOSING DATE: 1/2/2013
AD MATERIALS DUE: 1/9/2013

MARCH

Heat Transfer Report

Industry expertise is presented on various aspects of heat transfer systems, including heat transfer fluids and related instrumentation and controls.

FEATURE REPORTS:
- Optimizing heat-transfer fluid performance
- Avoiding and mitigating corrosion
- Practical tips for bins, silos and storage
- Guidance for safety standards

FACTS AT YOUR FINGERTIPS: Temperature measurement & control

TECHNOLOGY COVERAGE:
- Trends in plastics processing
- Progress in pumping

Regional report: Europe Special Section

Bonus distribution: Corrosion 2013, Orlando, March 17-21; American Fuel & Petrochemical Manufacturers (AFPM) Annual Meeting, San Antonio, March 17-19

AD CLOSING DATE: 2/1/2013
AD MATERIALS DUE: 2/6/2013

APRIL

Solid-Liquid Separation Report

Best practices for sizing large-scale equipment.

FEATURE REPORTS:
- How to implement combined heat and power
- Practical tips for centrifuges
- Best practices for process safety

FACTS AT YOUR FINGERTIPS: Gas detection technology

TECHNOLOGY COVERAGE:
- Innovation in single-use technology
- The latest on seals and gaskets

Show preview: Interphex, POWTECH

Bonus distribution: 245th American Chemical Society National Meeting & Exposition, New Orleans, April 7-11; Powtech, Nuremberg, Germany, April 23-25; Interphex, New York, April 23-25; AIChE Spring Meeting, San Antonio, April 28-May 2

AD CLOSING DATE: 3/1/2013
AD MATERIALS DUE: 3/8/2013

MAY

Petroleum Refining Report

Summarizes the current state of the petroleum refining industry and presents the latest technologies that are being commercialized to meet the current challenges.

FEATURE REPORTS:
- Solve problems with root-cause analysis
- Implementing inline process measurement

FACTS AT YOUR FINGERTIPS: Valves

TECHNOLOGY COVERAGE:
- Update on mixing improvements
- Trends in dust control technologies

Special feature: Gulf Coast Refining & Petrochemical Section

Show preview: AchemAsia

Bonus distribution: AchemAsia, Beijing, May 13-16; ELECTRIC POWER, Chicago, May 14-16; AFPM Reliability & Maintenance Conference, Orlando, May 21-24

AD CLOSING DATE: 4/1/2013
AD MATERIALS DUE: 4/8/2013

JUNE

Automation & Control Report

Best practices for measuring volume and particle size, and industry experts explain the significance of new automation standards that promise to simplify integration for end users.

FEATURE REPORTS:
- Modern tips for measuring volume
- Understanding new automation standards

FACTS AT YOUR FINGERTIPS: Feeding & Conveying

TECHNOLOGY COVERAGE:
- The latest in explosion protection
- Air-pollution control technologies

Bonus distribution: Air & Waste Management Association Annual Conference, Chicago, June 25-28

AD CLOSING DATE: 5/1/2013
AD MATERIALS DUE: 5/9/2013

JULY

Special Report: Plant Security

Report on the latest regulatory developments and technologies.

FEATURE REPORTS:
- Capital cost estimation
- Plant security
- Practical guidance for pneumatic conveying

FACTS AT YOUR FINGERTIPS: Piping

TECHNOLOGY COVERAGE:
- Cooling tower advancements
- Improvements in level measurement and control technologies

Advertising Readership Survey: Signet Research

AD CLOSING DATE: 5/31/2013
AD MATERIALS DUE: 6/7/2013

AUGUST

Expanders & Compressors Report

Illustrates how appropriate placement of expanders and compressors is valuable in recovering low-temperature waste heat and can result in substantial energy savings in distillation processes, drying, and other thermal processes.

ChemInnovations Pre-Show Issue

FEATURE REPORTS:
- Heat pumps for the CPI
- How to handle hazardous waste disposal

FACTS AT YOUR FINGERTIPS: Rules of thumb for heat transfer

TECHNOLOGY COVERAGE:
- Developments in screening
- Progress in simulation & modeling

Bonus distribution: ChemInnovations, Galveston, September 25-26

AD CLOSING DATE: 7/1/2013
AD MATERIALS DUE: 7/8/2013

SEPTEMBER

Construction Report

Round up of the latest innovation in plant construction, including trends in modular equipment and novel materials of construction.

ChemInnovations Show Issue

FEATURE REPORTS:
- Annual pump maintenance update
- Optimizing steam trap performance
- Bulk solids mixing
- Keeping up with safety equipment

FACTS AT YOUR FINGERTIPS: Materials of construction

TECHNOLOGY COVERAGE:
- Improvements in sensor technology
- Trends in modular equipment

Bonus distribution: 246th American Chemical Society National Meeting & Exposition, Indianapolis, September 8-12; ChemInnovations, Galveston, September 25-26; Turbomachinery and Pump Users' Symposia, Houston, September 30-October 3

AD CLOSING DATE: 8/1/2013
AD MATERIALS DUE: 8/8/2013

OCTOBER

Industrial Water Treatment Report

Best practices for optimizing industrial water treatment systems and new technologies are presented.

FEATURE REPORTS:
- How to handle alkalis
- Understanding testing requirements for industrial water treatment

FACTS AT YOUR FINGERTIPS: Fans and blowers

TECHNOLOGY COVERAGE:
- Packaging trends and advancements
- Valve technology update

Show preview: K Show, WEFTEC

Bonus distribution: WEFTEC, Chicago, October 5-9; Gasification Technologies Conference 2013; AFPM Q&A and Technology Forum

Advertising Readership Survey: Signet Research

AD CLOSING DATE: 8/30/2013
AD MATERIALS DUE: 9/6/2013

NOVEMBER

Distillation Report

In addition to practical optimizing and troubleshooting techniques, recent innovation in the peripheral heat-exchanger technologies are summarized.

FEATURE REPORTS:
- Piping design and maintenance
- Optimizing and troubleshooting distillation systems
- Milling and grinding
- Personal protective equipment

FACTS AT YOUR FINGERTIPS: Tips on cost estimation

TECHNOLOGY COVERAGE:
- Recent improvements in heat exchanger technology
- The latest advances in analyzers

Bonus distribution: International Water Conference, Orlando, November 13-17

AD CLOSING DATE: 10/1/2013
AD MATERIALS DUE: 10/8/2013

DECEMBER

Revamp & Maintenance Report

Best practices in planning and executing revamps.

FEATURE REPORTS:
- Revamps: Planning, preparation and execution
- Storing & transferring hazardous liquids

FACTS AT YOUR FINGERTIPS: Filters and filtration tips

TECHNOLOGY COVERAGE:
- Improvements in gasification technologies
- Developments in flow measurement & control

Show preview: ChemShow

Bonus distribution: ChemShow, New York, December 10-12

AD CLOSING DATE: 11/1/2013
AD MATERIALS DUE: 11/8/2013