

OCTOBER | AD CLOSE: SEPTEMBER 5 | MATERIAL DUE: SEPTEMBER 9

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CPI PRODUCT REVIEW

In October 2019, Chemical Engineering will publish a special CPI Product Review advertising section to be distributed at the 2019 Chem Show. Advertisers running display ads will receive a bonus free advertorial to run within the CPI Product Review Special Section. [Increase exposure](#) to this influential audience by participating in the special section.

BONUS DISTRIBUTION

Fluid Sealing Association Fall Meeting (October, Pittsburgh, Pa.)

Chem Show (October 22–24, New York, N.Y.)

K Show (October 16–23, Düsseldorf, Germany)

Mary K. O'Connor Process Safety Center International Symposium (October 22-24, College Station, Tex.)

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FOCUS ON E-NEWSLETTER:

This monthly e-newsletter is sent to a targeted database determined by the subject matter of each technical report. This month's e-newsletter will cover Pumps and deploy October 10

2019 MEDIA KIT

TOPIC: DATA ANALYTICS
FEATURE REPORTS

Summary: Advances in instrumentation and automation have made volumes of data available to engineers in the chemical process industries (CPI). The large volume of data, however, makes it difficult for engineers to find the insights they need to improve processes. Advanced analytics applications enable engineers and other experts to harness and make sense of the data to improve operations. This two-part Feature Report explains the different types of data analytics and gives numerous practical examples of how engineers can go about implementing this information in a practical way.

Related equipment and services: Data analytics software, instruments and sensors that measure data in CPI plants

Relevant industries: As instrumentation and software applications become more advanced, more and more industries are using data analytics, and so this is applicable to all industries where process data is gathered.

TOPIC: FLUID SEALING

FEATURE REPORTS

Summary: Fluid sealing technologies are engineered to handle process specifics — whether the process handles hazardous materials or operates at extreme conditions, the seals must provide reliable protection against leakage and emissions at all times. Harsh, frigid conditions pose particular challenges for sealing materials, especially in safety-critical applications like pressure-reducing regulators. Part 1 of this month's Feature Report looks at the sealing performance of various materials in low-temperature applications. Part 2 provides guidance on pump-sealing methods for processes that must handle highly hazardous chemicals, such as butadiene.

Related equipment and services: All types of seals and gaskets; valves and regulators; pumps and associated components

Relevant industries: Sealing is important in all CPI sectors

TOPIC: ROBOTICS IN THE CPI

NEWSFRONTS

Summary: Although robots have been used for many years in discrete manufacturing, their use in the production of chemicals has been relatively limited to laboratory and small-scale applications or packaging machines. More recently, robots are making their way into the CPI to perform mundane or hazardous tasks. This month's Newsfront will present some of these new applications.

Related equipment and services: Robots and the associated software and hardware needed to operate them

Relevant industries: Petroleum refining, petrochemicals, pharmaceuticals and more

Editorial for consideration should be sent to senior editor Gerald Ondrey (gondrey@chemengonline.com)

TOPIC: LIQUID DOSING SYSTEMS

NEWSFRONTS

Summary: Dosing systems are used for delivering a measured amount of fluid to a process. This equipment Newsfront presents the latest innovations in dosing pumps and dosing systems.

Related equipment and services: All types of dosing pumps (diaphragm, peristaltic and more) and the associated equipment (pipes and fittings, control systems, pressure and flow meters and so on)

Relevant industries: Oil-and-gas, petroleum refining, chemicals, pharmaceuticals, food and beverages, biotechnology and more

Editorial material for consideration should be sent to contributing editor Joy LePree (joylepree@gmail.com)

TOPIC: SAFETY INSTRUMENTED SYSTEMS

FACTS AT YOUR FINGERTIPS

Summary: Critical process equipment requires a safety instrumented system (SIS) to provide protection if dangerous operating conditions occur. This one-page reference will review concepts for the effective implementation and management of SIS programs in chemical process industries (CPI) plants.

Related equipment and services: Process control systems, pressure safety valves, flowmeters, sensors, transmitters, human-machine interfaces, monitoring devices for process variables

Relevant industries: All CPI sectors are concerned with safety

TOPIC: PRODUCTION OF 2-PROPYLHEPTANOL

TECHNOLOGY PROFILE

Summary: The oxo alcohol 2-propylheptanol is a branched, fatty alcohol that is mainly used as a plasticizer, and for making surfactants used in detergents or industrial cleaning agents. This one-page summary outlines the process for manufacturing this compound.

Related equipment and services: General chemical process equipment

Relevant industries: Chemicals, plastics, surfactants, petrochemicals

TOPIC: MAINTENANCE TOOLS

FOCUS

Summary: Performing routine maintenance is a fact of life at any CPI production plant. This month's Focus will present the latest products and services launched on the market.

Related equipment and services: All types of hand tools, welding machines, cleaning aides, monitoring systems, sensors, software, IIoT technology

Relevant industries: All sectors of the CPI

Editorial material for consideration should be sent to senior editor Gerald Ondrey (gondrey@chemengonline.com)

TOPIC: FEEDING AND CONVEYING

SOLIDS PROCESSING

Summary: Pneumatic conveying systems for bulk solids all require a method of moving the air that provides the motive force to carry the solid material through the pipeline. This article will outline the benefits and limitations of different types of fans and blowers that can be used for pneumatic conveying systems. It will include a discussion of both fan and blower curves.

Related equipment and services: Pneumatic conveying equipment, including fans, blowers, pipes, hoppers and bins, feeders, filters and more

Relevant industries: Any sector where solid materials are handled, including chemicals, pharmaceuticals, food, agricultural chemicals, mining, bioenergy and others

TOPIC: K-SHOW

SHOW PREVIEWS

Summary: Every three years, the Düsseldorf fairground is filled with equipment vendors and producing companies associated with the production, processing and handling of plastics, rubber and other polymers. This year's event takes place October 16–24. A sampling of the new products and technologies being exhibited at the show will be presented in this preview.

Related equipment and services: All types of process equipment related to the production of resins, as well as for converting the polymers into final products.

Relevant industries: Petrochemicals, plastics and rubber

MARKETING RESOURCES

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