

IFPE 2020 Shapes Expectations and Technology for the 2020s — and Beyond

Jack McGuinn, Senior Editor

The International Fluid Power Exposition (IFPE) is a one-stop exhibition where you'll find just about everything to help maintain your company's leading edge in the ever-expanding fluid power industry.

From sensor technology and data analytics to robotics and automation—it's all here under one roof. The show presents every three years and is co-located with CONEXPO-CON/AGG — the largest international gathering place for the construction industries.

Indeed, on display are the latest products and systems from over 400 exhibitors. What's more, IFPE 2020 also features product concentration areas, thus facilitating attendees' ability to locate specific products, services and exhibitors of most specific interest.

"There's really no show quite like the International Fluid Power Exposition (IFPE)," says John Rozum, IFPE show director. "That's because no other show brings as many sectors of the fluid power, power transmission and motion control industries together in one place at the same time. The show brings together a truly unique combination of engineers and executives — both in booths and aisles — to share ideas, educate one another, and ultimately shape the future of the construction industry through collaboration and consensus."

Also, in keeping with the growing trend at trade shows to incorporate educational presentations and venues for attendees, IFPE 2020 also offers the type of learning and networking opportunities that help make attending and exhibiting a quality experience.

"In addition to the great education sessions and the over 400 exhibitors, IFPE will be hosting an all-new networking reception for engineers and executives, right on the show floor," Rozum adds. "IFPE's Fluid Power Hour, presented by Bosch Rexroth, will be held on March 11, from 4 p.m. to 6 p.m. on the IFPE show floor. The event includes a bonus hour on the IFPE show floor, complimentary hors d'oeuvres and cocktails and entertainment."

About IFPE 2020

IFPE is considered the leading international exposition and educational resource dedicated to the integration of the latest fluid power and other technologies for power transmission and motion control applications. More than 180 sessions on industry trends, technologies, and solutions will be presented.

For example, the show will offer college course-styled speaker sessions. These hands-on sessions will help attendees get the most out of their IFPE experience.

Other examples of the educational opportunities include:

- IFPE 2020 Expert Q&A: Fundamentals of Hydraulic Systems

- IFPE 2020 Expert Q&A: How Hydraulic Fluid Impacts Machine Performance
- Systems — Thinking and Diagnostic Skills for Today's Hydraulic Technicians

IFPE is targeted for design engineers and other decision-makers from these industries:

- Off-Highway Vehicles (includes Construction, Mining, Forestry, Agriculture, Lawn & Garden, and Airport Support vehicles)
- Fluid Power/Power Transmission Products, Electrical Machinery, Instruments/Controls
- Distribution
- Material Handling (includes overhead/straddle cranes, industrial trucks, tractors and stackers)
- Manufacturing/Production Automation/Machine Tools (includes chemical, petroleum, metal, plastics, and rubber processing)
- Automotive/Commercial Vehicles (includes Class 8 trucks, vocational trucks, and trucks for other applications)
- Engineering Services
- Defense/Aerospace
- Amusement/Entertainment Technology
- Other Products/Services

A partial list of exhibitors related to mechanical power transmission:

ASCO Sintering Company, Auburn Gear, B&R Industrial Automation, Bonfiglioli Riduttori, Bosch Rexroth, Carlisle Brake and Friction, Comer Industries, CW Bearing, Eaton, Eskridge, Gates Corporation, Geartek, KTR Corporation, Logan Clutch, Moog Inc., Motion Industries, Nachi America, Omni Gear, Optibel, Posi Lock Puller, QA1 Precision Products, Rotor Clip Company, Schaeffler Group, Smalley Steel Rings

Much More on Education Topics and Activities:

Education session topics will include:

- Electric vs. Hydraulic Transmission
- Variable Speed Technology of Fluid Power (Industrial)
- Hydraulic Transmission Control Methods
- Mobile Hydraulic Robotics
- Industry of the Future
- Economic Outlook
- Additive Manufacturing
- Workforce Development
- Assessing Your Hydraulic System Efficiency
- Integration of Site Management
- Digital Displacement Pumps
- Machine Control Automation of Functions on the Machine

Learn and Earn program

In addition to the general education offerings, attendees can earn PDHs with college courses. PDH confirmations will be emailed within one month after the show. Make sure to check back before the show to download the app and start earning PDHs.

IFPE Research Symposium — Hosted by the National Fluid Power Association

When mapping out your IFPE schedule be sure to keep the lunch hours on March 11, 12 and 13 open for the IFPE Research Symposium. Over these three days, the National Fluid Power Association will be presenting a program that showcases the latest fluid power research being performed at U.S. universities with funding provided by a new program within the U.S. Department of Energy to improve the energy efficiency of hydraulic systems on off-road vehicles.

College courses will include:

- 101 Fundamentals of Hydraulic Systems
- 201 Fundamentals of Hydraulic Systems
- Hydraulic Fluid Properties, Efficiency and Contamination Control
- Digital Design

More educational specifics:

- Wednesday, March 11 | 11:30 AM to 12:30 PM
Individual Electro-Hydraulic Actuators for Off Road Machines
Andrea Vacca, Purdue University
- Thursday, March 12 | 11:30 AM to 12:30 PM
Efficient, Compact, and Smooth Variable Propulsion Motor
James Van de Ven, University of Minnesota
- Friday, March 13 | 11:30 AM to 12:30 PM
Hybrid Hydraulic-Electric Architecture for Mobile Machines
Perry Li, University of Minnesota

And finally, in the spirit of it's not just what you know but who you know, Rozum emphasizes: "We encourage all exhibitors to bring their top engineers and executives to take advantage of a great networking experience and interact with industry peers."

International Fluid Power Exposition (IFPE)

March 10–14, 2020

Las Vegas Convention Center
3150 Paradise Rd
Las Vegas, NV 89109

Show Hours:

Tuesday: 9 a.m.–5 p.m.
Wednesday: 9 a.m.–6 p.m.
Fluid Power Hour Reception 4–6 p.m.
Thursday: 9 a.m.–5 p.m.
Friday: 9 a.m.–5 p.m.
Saturday: 9 a.m.–3 p.m.

Contact Info

www.ifpe.com

U.S. & Canada: (800) 867-6060
International: +1 414-274-0644
China: +86 10 8519-1566

