The U.S. Chemical Supply Chain: Vulnerabilities Highlighted by COVID-19

Webinar Hosted by the Chemical Sciences Roundtable

11am-12:30pm EDT, July 2, 2020

Speakers

David S. Bem is Vice President of Science and Technology and Chief Technology Officer at Pittsburg Paint Glass (PPG Industries). In this role, he oversees innovation across a portfolio of key segments to drive the adoption of new paint and coatings offerings in products ranging from automobiles and airplanes to electronics and home care goods. Previously to joining PPG in 2015, Dr. Bem was Vice President of Research and Development (R&D) in Consumer Solutions and Infrastructure Solutions at Dow Chemical. He served in other positions at Dow Chemical including R&D leader for Hydrocarbons & Energy, Alternative Feedstocks, and Basic Chemicals; R&D Director for Dow Automotive; R&D director for Core R&D; and vice president of R&D for Dow's Advanced Materials. Dr. Bem is active with many industry organizations and serves on the Board of Directors of Brady Corporation as well as the Pittsburgh Carnegie Science Center. He holds nine U.S. patents and has authored more than 20 publications. Dr. Bem received his Ph.D. in inorganic chemistry from the Massachusetts Institute of Technology.

Thomas Kevin Swift is chief economist at the American Chemistry Council (ACC). At ACC, Dr. Swift performs economic analyses dealing with markets, energy, trade, and tax, and monitors business conditions to assess the economic contributions of chemistry. He also teaches numerous economic courses at the University of Mary Washington including Environmental and Resource Economics and Industrial Economics. Prior to joining ACC, Dr. Swift held senior level positions at two research consultancies; The Freedonia Group and Predicasts, Inc. He started his career at Dow Chemical. Dr. Swift is a Fellow and former president of the National Association for Business Economics and a member of the Harvard Discussion Group of Industrial Economists, National Business Economics Issues Council, and Charlotte Economics Club. He is a member of The Wall Street Journal Forecasters' Survey panel. Dr. Swift received his DBA, doctorate in business administration, from Anglia Polytechnic University.

Ronald T. Piervincenzi is the chief executive officer of the United States Pharmacopeia (USP). Dr. Piervincenzi has launched USP initiatives in digital medicine, manufacturing technologies, and advanced biologics. He is the founder of multiple non-profits in the community service and scientific spaces and currently serves as board chair for the Newark Mentoring Movement and the NextStep Translational Research Foundation. Before joining USP in 2014, Dr. Piervincenzi was Vice President of Development Sciences with Biogen where he launched a new group in value-based medicine focused on applying tools and technologies of personalized medicine to the multiple sclerosis disease area. Dr. Piervincenzi was also a partner and leader in McKinsey & Company's global pharmaceutical and medical products practice where he launched the global drug safety, medical and regulatory service line. Dr. Piervincenzi earned his Ph.D. from Duke University in Biomedical Engineering, with research focused on protein engineering.

Moderator

Michael J. Fuller is a Completions Fluids and Stimulation Advisor at Chevron. With more than 12 years of experience in the upstream oil/gas sector, Dr. Fuller works in Chevron's Energy Technology Company (ETC) in Drilling and Completions. His current role in Chevron ETC includes applications, development, and troubleshooting of fluids and materials for productivity enhancement, acid stimulation, hydraulic fracturing, drilling and completions. His contributions span deepwater projects, unconventionals, and other challenging reservoir conditions. Previously at Schlumberger, his accomplishments comprised development, engineering, and troubleshooting of chemical products, fluids, and materials in upstream oil and gas disciplines. Dr. Fuller subsequently managed an applications-laboratory team in Kuala Lumpur, Malaysia supporting the stimulation/sand-control operations throughout the Middle East and Asia. Throughout his career, Dr. Fuller has produced multiple publications and patents in the areas of hydraulic fracturing, sand control applications and fluids, formation damage (and formation response to upstream fluids), productivity enhancement, and general drilling and completions applications and fluids. Dr. Fuller has been a member of the Society of Petroleum Engineers (SPE) for more than 15 years and the American Chemical Society for more than 20 years. He is the current Program Chair for the SPE Research and Development Technical section and has served on committees for the 2013 SPE Annual Technical Conference and Exhibition and the 2017 SPE International Symposium on Oilfield Chemistry. Additionally, he has acted on the American Petroleum Institute committees developing new recommended practice documents related to hydraulic fracturing He received a Ph.D. in Chemistry from Northwestern University in 2004.