

# ASPE TechSymposium 2021



## **Tony J. Furst, MEd, CPD, LEED AP**

*Tony Furst has been in the HVAC and plumbing industry his entire life. His father was a mechanical contractor in the Dayton, Ohio area, so Tony grew up learning the industry. He has a Bachelor of Science in Mechanical Engineering from the University of Dayton and a Master of Science in Education from Michigan State University, as well as maintaining his CPD credential. Tony was an Application Engineer, a Consulting Engineer, and a Design/Build Engineer before joining Armstrong Fluid Technology where he is the U.S. Director of Application Engineering. His responsibilities cover all of Armstrong's product line in HVAC, plumbing, and fire protection. Tony is active in both ASPE and ASHRAE and is currently serving on ASPE's Education Committee.*

## **Self-Regulating Variable-Speed Fire Pump Units—Better, Simpler & More Cost Effective**

This presentation will discuss the benefits of using variable-speed pumps in fire system design, followed by a brief overview of NFPA 20 (2019) Section 4.8, detailing the requirements of self-regulating variable-speed fire pump units, as well as any upcoming changes in the 2022 edition. Attendees will learn about emerging technologies specifically surrounding the self-regulating variable-speed fire pump unit. Finally, attendees will learn how cloud-based technology and analytics will allow for predictive maintenance and improve fire system reliability.