

ASPE TechSymposium2021

New Design Concepts in Response to Crisis: Balancing Sustainability & Water Safety

As a result of the COVID crisis in 2020, there was a rise in awareness of the need for the flushing of domestic water systems. However, concerns of water shortages have not gone away. Rather, there is real concern that flushing protocols may exacerbate water supplies. Is it possible to balance both sustainability and safety in the realm of water? This panel discussion will provide a broad overview of a new concept: plumbing resiliency. Several concepts, both familiar and new, will be presented. These new design concepts will be evaluated in detail, in reviewing some of the critical components. By combining new technologies in innovative ways is it possible to create a water system that is sustainable, safe, efficient, and affordable that can overcome challenging conditions? The panelists will explain why this is possible and hope participants will come away from the session with new ideas to build more resilient plumbing systems.



**Christoph Lohr, PE, CPD,
LEED AP BD+C**

Christoph Lohr has more than a decade of experience in designing plumbing systems for healthcare, laboratory, hospitality, sports, and university projects. Christoph's current responsibilities as Vice President of Strategic Initiatives for IAPMO are to identify long-term, high-impact projects, develop a business case for them, bring resources to bear, and execute them for maximum results. Christoph's professional activities in the industry extend into multiple volunteer associations, for which he has also assumed leadership roles setting strategy and direction for teams including ASPE's Phoenix Chapter, ASPE, ASPE's Legionella Working Group, ASHRAE 514, PIPE Trust of Arizona, and IAPMO's Safe Building Reopening Best Practices, among others. It is with this mindset that Christoph looks to find holistic solutions that positively impact public health and safety, particularly in the world of water and plumbing.



Jana Summey

Jana Summey has more than 20 years in the AEC industry. Her experience includes directing education, training, marketing, and business development efforts at leading MEP and AE firms and manufacturers. Jana currently leads LiquiTech's education and strategic projects. Her prior six years were spent at Watts Water, where she led strategy and market and product development for the healthcare vertical and waterborne pathogen risk management. Jana received two bachelor's degrees from Drury University and earned her MBA at the University of Missouri-Kansas City.



Greg Swafford, CPD, GPD

Greg Swafford has been a Plumbing Designer, Project Manager, and Plumbing Department Leader at MEP consulting firms for nearly 20 years. As Technical Sales Manager for GF Piping Systems, Greg leads the technical sales team of piping systems specialists. He is responsible for the growth and oversight of the U.S. commercial water market segment through business development, product development, and the creation of technical resources. In addition to his work with GF Piping Systems, he is committed to advancing public health and safety by volunteering within industry organizations. He currently serves as Affiliate Liaison for ASPE's Region 5 and as a committee member of ASHRAE SPC 514.



Tom Ruggiero

Tom Ruggiero has a Bachelor of Science in Electrical Engineering and a Master of Science in Engineering Management from Drexel University. He has more than 35 years of experience in the industrial automation, fluid power, and plumbing /HVAC industries. Tom has conducted webinars and written articles regarding the balancing of domestic hot water systems. Tom is a member of ASPE, the Fluid Power Distributor Association, Association of High-Tech Distributors, GPAEE-Greater Philadelphia Association of Energy Engineers, and the School District of Philadelphia S.T.E.M. Planning Committee.