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What: Building Decarbonization (Electrification) for Hydronic Systems

Where: Virtual Microsoft Teams Meeting

When: November 8th, noon-1pm CST

Details:

Many people have been educated on what decarbonization is, as well as its goals. This presentation delves into how hydronic systems using heat recovery chillers, heat pumps and chiller/heaters can be designed, piped, optimized and controlled in order to provide heat efficiently. Also covered are the impact of hot water and outdoor air temperatures, methods to simplify system design and operation, the importance of ensuring building operators and facility managers can operate the systems as intended. The goal is to reduce environmental emissions and make the system as simple as possible, but not simpler.

Speaker:



Mick Schwedler, PE, FASHRAE, LEED® AP BD+C
Staff Applications Engineer
Trane

Professional

Mick has been active in the development and support of HVAC systems for Trane since 1982. As an applications engineer his areas of expertise include system optimization (in which he holds patents) as well as chilled water and water source heat pump system design. His primary activities include assisting designers in proper application of products and systems in buildings, and writing system application manuals and newsletters. In addition, he has presented technical information to tens of thousands of engineers through Trane’s Engineers Newsletter Live series, and ASHRAE webcasts. Mick has given technical seminars throughout North America, as well as in the Far East and

2022-23 SCHEDULE

November 8th - Building Decarbonization (Electrification) for Hydronic Systems

December 13th - Presidents’ Dinner
@ Mark’s East Side

January 10th - Configure, Inc.

February 14th - Lambeau Field Mechanical Room Tour

March 14th - TBD

April 11th - Rapid Water Technologies

May 4-7 - 2023 Region VI CRC (La Crosse, WI)

June 2023 - Golf Outing



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Professional con't

and published articles within the industry. Prior to his work with Trane, Mick received his MSME from the University of Wisconsin Solar Energy Laboratory and BSME from Northwestern University.

Mick served as 2021-2022 ASHRAE President. He is an ASHRAE Fellow, recipient of ASHRAE's Exceptional Service, Distinguished Service, and Standards Achievement Awards, and was Chair of SSPC 90.1-2010. Mick also served as Chair of the Advanced Energy Design Guide Steering Committee and was on project committees for the 50% Hospital and Office Buildings AEDGs.

Mick chaired the USGBC LEED Technical Committee, served on the LEED Steering Committee and is a past member of several USGBC technical and education groups. He also authored portions of the original ASHRAE Green Building Guide, and served on technical groups for the New Buildings Institute.

Personal

Mick and Jen have three children -- Ben (married to Mandi, grandson Ian), Caroline (married to Aaron, grandsons James and Sam) and Karl -- who are all blessings to them. Jen and Mick are quite active at First Evangelical Lutheran Church where Jen is an organist. Mick loves to sing in barbershop quartets, and plans to golf more beginning July 1, 2022. Raised 30 miles from Green Bay, WI in the 1960's, Mick is an avid (or is that rabid?) Packer fan.

**** Please visit newiashrae.org to register for this event! ****

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