

The Gee Chee

The Charleston Chapter 113 of ASHRAE Newsletter

APRIL 2022

www.charlestonashraechapter.wildapricot.org/



Speaker: Thomas H. (Tom) Durkin, PE

Topic: Humidity Control

Date: Tuesday, April 12th

Time: 6:00PM - 7:00PM (EST)

Cost: Company Registration - \$30.00

Nonmember (Dinner & Bar) - \$30.00

Nonmember (Dinner Only) - \$25.00

Location: Omar Shrine Temple

176 Patriots Point Rd.

Mt. Pleasant, SC 29464

Program:

Summer high humidity is a significant potential Indoor Air Quality liability. Durkin's approach is that most applications do not need to control humidity, rather just make sure it doesn't get out of control. Humidity can be addressed with active or passive measures, but it should never be ignored. This talk will explain low cost but highly effective solutions that work in all climate zones.

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Speaker Bio:



Tom Durkin

Topic: Humidity Control

Personal

Recognized as an innovative and creative engineer throughout the Midwest, Tom's designs for buildings and systems are proven to be safe, energy-efficient and cost-effective. A nationally sought-after speaker and frequent ASHRAE author who promotes energy-smart HVAC systems, Tom is also a contributor to the U.S. Department of Energy. He designed the first "Energy Star" school HVAC system in the Midwest. In 1998, Tom presented one of his innovative systems to the United States Congress. Tom has either invented or pioneered the implementation of eleven distinct HVAC innovations, all of which save energy and reduce pollution. His projects have won eleven (11) state, national and international design awards, including two (2) ASHRAE Technology Awards.

Previous Speaker:



Mick Schwedler, PE, FASHRAE, LEED® AP^{BD+C}

Staff Applications Engineer Trane

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 South America, 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 serves 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, grandson James) 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 golfs when work and volunteer activities allow. Raised 30 miles from Green Bay, WI in the 1960's, Mick is an avid (or is that rabid?) Packer fan.

Chapter Officers

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ASHRAE membership represented at Charleston Engineers Joint Council Annual Engineers Week Banquet.

ASHRAE's Mission & Vision

Mission: To serve humanity by advancing the arts and sciences of heating, ventilation, air conditioning, refrigeration and their allied fields.

Vision: A healthy and sustainable built environment for all.

President's Message

Please come join us April 12th at The Omar Shrine Club and hear Mr. Durkin speak about humidity control, what it is, and how to factor in low cost solutions for all types of climate zones.

We have also started meeting in an effort to plan and coordinate this years CRC, which will be hosted by your very own Charleston chapter for Region IV. We will be sending flyers out soon which covers registration info/costs, events/entertainment, classes, and more. Please be on the lookout for this flyer and pass along to anyone interested. Event participation is highly encouraged for any and all in our industry!

We have certain events in the coming months that we are still finalizing as far as exact dates and times. We will be having our Spring ASHRAE golf tournament on June 10, 2022 at Legend Oaks. Be on the lookout for additional information to come as far as registration, sponsorships, etc. We also plan to have a Summer social, which we are in the planning phase. We will be sending info out as soon as possible for you to plan accordingly.

Government Affairs

For those of you working on Federal Projects:

On November 29, ASHRAE President Mick Schwedler wrote to Secretary Cardona of the U.S. Department of Education to request the department update the edition of the ASHRAE Energy Conservation Standard referenced in the Code of Federal Regulations governing direct grant programs carried out by the Department of Education (34 CFR § 75.616). The regulation currently references ASHRAE 90-1980, 90-1975, and 90-1977. The letter urges the Secretary to instead reference the latest standard published in 2019, ANSI/ASHRAE/IES Standard 90.1-2019, Energy Standard for Buildings Except for Low-Rise Residential Buildings. Compared to a building built using ASHRAE Standard 90.1-1985, a building built to ASHRAE Standard 90.1-2019 will use less than half the energy. Updating the standard referenced in the CFR to the 2019 version will support school facility improvements based on the latest and best information available. This change will also result in significantly reduced energy costs and environmental emissions.

This is just one example of ASHRAE's work with lawmakers and policy officials to keep the latest standards in building codes. The Grassroots efforts of ASHRAE start in the local chapters with each member. You DO make a difference!

Government Affairs Committee Chair

Young Engineers in ASHRAE

To ensure a bright future for ASHRAE and the industry, the Young Engineers in ASHRAE (YEA) Committee was developed to create programs and develop a path for our young professional members. Any current ASHRAE Affiliate, Associate or Member who is 35 years of age or younger is considered a YEA member, and automatically has a wide variety of programs, events, and opportunities at their fingertips!





Calendar of Events

APR 12, 2022	Speaker: Thomas Durkin Topics: Humidity Control Location: Omar Shrine Temple
MAY 10, 2022	Speaker: Hoy Bohanan Topics: Modifications to ASHRAE 62.1 Location: Omar Shrine Temple
JUNE 10, 2022	Spring ASHRAE Golf Tournament Location: Legend Oaks Golf & Tennis Club
JUN / JUL	Summer Social Location / Time: TBD
AUG 11 - 13, 2022	Chapters Regional Conferences (CRC) Location: Charleston, SC