

The Gee Chee

The Charleston Chapter 113 of ASHRAE Newsletter

SEPTEMBER 2022

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Speaker: Lorrie Todd

Topic: Best Practices for the Application of UV-C for Surface and Air Treatment

Date: Tuesday, September 13th

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

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Speaker Bio:



Lorrie Todd

Lorrie Todd has served the HVAC community for more than 33 years, helping to educate and train facility managers, specifying engineers and industry professionals with an emphasis on UV-C air and surface treatment and cleaning technologies. As the Southern Regional Sales Manager for UV Resources, Ms. Todd serves ASHRAE's North Carolina Triangle Chapter as Research Promotions Chair, and as a member of ASHE, and the North Carolina Hospital Engineers Association (NCHEA). She has worked in a variety of managerial and technical consultancy roles throughout the industry including Cambridge Filter Corporation, Farr Company, Flanders Filters and Steril-Aire, and American Ultraviolet Company.

Topic of Seminar

This presentation briefly describes the history of Germicidal UV-C technology and its ability to inactivate all known microorganisms including viruses, mold, bacteria—even drug-resistant superbugs, while reducing HVAC energy use by up to 25%.

We will explore the three primary applications of UV-C for air and HVAC surface protection: 1) HVAC coil/surface irradiation to boost coil-heat-transfer efficiency, 2) HVAC airstream disinfection to kill airborne pathogens and 3) Upper-Room/Air treatment for infectious diseases. It will also examine the operating conditions that increase or decrease the required minimum UV-C energy in a specific application such as UV-C fixture placement, air temperature, air velocity and AHU material reflectivity. Case studies will be presented along with the simple methods used to validate increased HVAC and IAQ performance. Additionally, current application standards and guidelines within ASHRAE, IUVA, IES, UL and ISO will be discussed.

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 September 13th at The Omar Shrine Club and hear Ms. Todd speak about the history of Germicidal UV-C technology, it's ability to inactivate various microorganisms, and how this can lead to reductions in HVAC usage.

It was great seeing everyone at the CRC meeting this past August! It was a huge success and a huge thank you to our Pete Conroy who helped organize the event. As we begin this new year of ASHRAE, we will work on preparing a schedule of events in addition to our monthly meetings.

We are always looking to grow and we are still looking for a Secretary for this 2022-2023 year. If you or anyone you know may be interested, please let us know! I am looking forward to another successful year and am excited to see everyone from previous years as well as meet new individuals looking to join the Chapter.

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

SEP 13, 2022	Speaker: Lorrie Todd Topics: Application of UV-C for Surface & Air Treatment Location: Omar Shrine Temple
OCT 11, 2022	Speaker: TBD Topics: TBD
NOV 08, 2022	Speaker: TBD Topics: TBD