

April 2021

Upcoming Events!

Watch out for the May meeting announcement!

## SWFL ASHRAE Chapter Meeting Announcement

### \*\*\*History/Life Member Promotion Night\*\*\*

**Date:** Tuesday, April 20th, 2021  
**Location:** Crown Plaza at Bell Tower Shops (13051 Bell Tower Road, Ft. Myers)  
**Start Time:** 5:30 - 6:45 - Networking  
6:30 - 8:00 - Dinner and Main Program

**Cost:** COST: \$35.00 PER ATTENDEE – RESERVATIONS ARE A MUST  
NO COST FOR COLLEGE STUDENTS WITH A VALID STUDENT I.D.  
Pre-Pay via [www.paypal.com](https://www.paypal.com) to [swfl.ashrae@gmail.com](mailto:swfl.ashrae@gmail.com)  
[Please click here to RSVP!](#)

### Sustainability - David Jaworski

Startup company Transaera is a finalist in a global competition to redesign air conditioning systems, with the goal of producing a more energy-efficient and environmentally sustainable system. The winner of the competition will receive \$1 million to commercialize their systems.

Transaera is co-founded by MIT Department of Chemistry's W.M. Keck Professor of Energy Mircea Dinca, who has pioneered research on highly porous materials called metal organic frameworks (MOFs).

The company's design uses MOFs to passively remove moisture from the air as the system runs. Waste heat created by the equipment then dries the MOF material allowing for continuous reuse. This design also utilizes R-32, which is a zero ozone depleting potential (ODP) refrigerant with a global warming potential of roughly three times lower than other commonly used refrigerants.

[Full Article](#)

### Main Program: Tech Hour: Where Have All The Ethics Gone?

Each individual has a different approach to ethics, colored by their education, training, culture, trade, profession and nationality. Learn about the commercial and cross-discipline drivers which have a great effect on ethics and evaluate scenarios that challenge you to determine what's ethically right and what contravenes good ethical practice.

#### Video Presenter: Richard H. Rooley

Richard H. Rooley (FREng FASHRAE, Presidential Member ASHRAE) is a Consulting Engineer in London, UK. He has designed HVAC systems and developed operation and maintenance procedures for commercial, health, defense, public buildings and housing. He has project managed complex engineering and building projects and has worked with universities in research on indoor air quality and the process of building design, construction and use. He acts as an expert in litigation, and as an arbitrator and mediator in disputes. In seeking solutions to problems in buildings, he has used teams of professionals, from inside and outside the HVAC industry.

His extensive experience in the investigation of failed buildings because of cost, time, indoor air quality, failure to meet the brief and misrepresentation of intentions provide a strong basis for his work. Mr. Rooley founded the Teambuild competition in 1990.

Mr. Rooley has been a member of ASHRAE since 1976 and has served as Chairman or member of many councils, standing and technical committees. He served as ASHRAE President (2003-2004), he is a Fellow of ASHRAE, received the Paul Anderson Award, the Exceptional Service Award, the Award of Merit and the International Activities Award. He is also a **Life Member**.

#### Pandemic Precautions

SWFL ASHRAE is committed to the health and safety of its members and their families. For the foreseeable future masks will be a requirement for all meetings in accordance with CDC recommendations.

SWFL ASHRAE will be adhering to social distancing guidelines by increasing table spacing, serving individual meals, and having hand sanitizer available.

We ask if you are feeling under the weather or have recently traveled out-of-state or out of the country that you please participate remotely.

A message from Mr. James Martin

SWFL ASHRAE President

Greetings SWFL Chapter,

I am late with submitting my letter to our newsletter editor but because of this I am able to say that this year's annual backwater fishing tournament was a big success. Thank you to all of our sponsors and participants for your continued support! I know some of our anglers had to knock the rust off since our 2020 tournament was cancelled due to concerns at that time but we saw some heated competition and some big catches to spite a very windy day. Everyone had a great time and we had a spectacular view of the river for our awards dinner at the Edison Ford Marina Pinchers in downtown Fort Myers. The winners for largest of each fish received cash prizes and there was a plethora of other prizes distributed from the raffle. We are already starting planning for next year's event so I hope you get a chance to join us for the fun.

We also had great exposure this month to the content available via the new ASHRAE 365 mobile app [more information available here](#) as we took advantage of their offerings to get some insight into ethics in the HVAC industry at our monthly meeting. Thank you to everyone who attended both in person and virtually.

As always we are looking for new members and volunteers. If you're interested in volunteering or know someone that may be interested in joining please let us know, or bring them to a meeting!! Prospective members can attend their first meeting free so there is nothing to lose.

Be on the lookout for our May meeting announcement and newsletter coming soon. Thanks and have a great day!

James Martin  
SWFL Chapter President 2020-2021

## Government Activities - Gena Knight

### Biden Administration Releases Details on Infrastructure Plan

On March 31, President Joe Biden released his \$2.25 trillion infrastructure and jobs package which is being referred to as the "The American Jobs Plan." The plan includes \$650 billion for roads and bridges, \$600 billion for housing and manufacturing, and \$400 billion for home care for the elderly and the disabled and billions funding for electric, broadband and water investments. The proposal also seeks to establish a clean electricity standard to help the shift to renewable power.

Additionally, the package sets the goal of building, preserving, and retrofitting more than two million homes and commercial buildings by using targeted tax credits, grants, formula funding, and project based rental assistance. There is also a section on making infrastructure more resilient that addresses climate-driven disasters and providing financial resources to build back above existing codes and standards. Furthermore, the package calls for \$100 billion to modernize public schools, through \$50 billion in direct grants and an additional \$50 billion leveraged through bonds.

[Full Article](#)

### New Coalition Focuses on Developing Zero-Carbon Technology

A coalition of electric utility and environmental organizations launched a new initiative earlier this month aimed at boosting federal research and development efforts for new zero-carbon technology. The Carbon-Free Technology Initiative includes the Edison Electric Institute, the Clean Air Task Force, the Bipartisan Policy Center, the Center for Climate and Energy Solutions, and others. Its goals include advancing nuclear technology, solar and wind energy systems, long-duration energy storage, geothermal energy, carbon capture, and other initiatives that are currently in very early stages of development.

[Full Article](#)

2020-2021 ANNUAL SPONSORS  
THANK YOU FOR YOUR SUPPORT!



DIAMOND LEVEL

**Southwest Florida Trane**



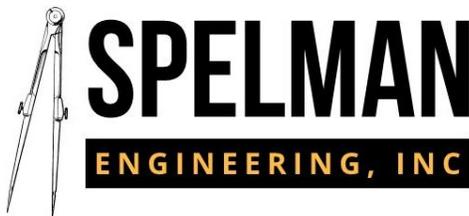
GOLD LEVEL



SILVER LEVEL



BRONZE LEVEL





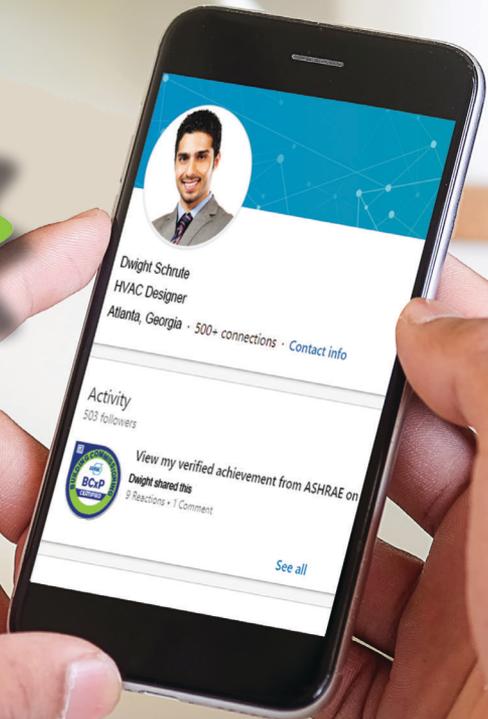
Certified

# ASHRAE Certification

Advance Your Career Today!

**NEW!**  
**DIGITAL BADGING**

Helps you get the recognition  
you've earned.



With already more than 3,000 certifications earned to-date, ASHRAE programs were founded to meet the industry needs of today and provide value to thousands of built-environment professionals, employers and building owners.

[ashrae.org/certification](https://ashrae.org/certification)