

## Upcoming Event Excitement!

We have a lot of exciting  
events around the corner!

Fall Golf Outing—  
Date TBD

Sustainability  
Activity – Date TBD



## Next Meeting Tuesday, September 11th

Harbor Breeze at Patriots Point, Mt. Pleasant

BOG Meeting 5:00-5:30

Happy Hour 5:30-6:00

Chapter Meeting/Dinner 6:00-7:00

\$30/person

[REGISTER ONLINE](#)

## September 11th Meeting—Donor Recognition

### Come join us as we thank last years Donors

## How do Pressure Drop, Efficiency, Weight Gain, and Loaded Dust Composition Change

### Presentation Summary:

The nature of dust collected on HVAC air filters and how filter performance changes over time were investigated in a two-study project. In-situ use data were compared to American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) 52.2 test results and to expected use patterns to determine if the standard test and expected use were reasonable. Separately, dust collected on used filters was examined for size and composition and compared based on type of use.

### Speaker:

## Kathleen Owen

Kathleen is an air filter/cleaner filtration efficiency and test method development expert. She worked on the ASHRAE and EPA projects that developed ASHRAE air cleaner efficiency test methods 52.2 (for particles), 145.2 (gases), and 185.1 (UV-bioaerosol). She also developed chamber test methods for gases and bioaerosols based, in large part, on the AHAM CADR test method. She was the first chair of ASHRAE committee SSPC 145 and is the current chair of ASHRAE 52.2. She is also the research sub-committee chair for TC2.3 Gaseous Contaminants and is a member of SSPC 185, TC2.4, TC2.9, TC2.3 and of the US TAG to ISO 142. During her 33 years at RTI Intl., she ran ASHRAE 1360-RP and worked on many ASHRAE and EPA projects on air cleaning and air quality including the recent EPA EIP on air cleanup in VI situations. She ran the RTI commercial air cleaner test lab for 20 years. Her BS in chemical engineering is from NCSU, and her MS in Air Pollution Control Engineering is from UNC-CH.



## ASHRAE Research Investors

Thank you for your sponsorship. If you would like to support the chapter, please contact the President.

Corporate Donors (\$1,000+)

Corporate Donors (\$500+)

Corporate Donors (\$300+)

Honor Roll Donors (100+)

Marcus Googer

Dennis Knight

Steve Marek



## CTTC Corner

For more information about this column, contact **Gene Brown** ([gene3380@gmail.com](mailto:gene3380@gmail.com)).

At our June meeting several Chapter Technology Awards were presented.

David Willingham received an award for **Tri-County Technical College Student Success Center**.

The project included two chillers with magnetic bearing support.

Greg Hudson received an award for **Citadel Byrd Hall Nursing Renovation**. The project included semi- custom ahu, inline fans & damper for economizer operation.

Nate Jobs received an award for **REWA New Laboratory Building**.

The project included 21% energy reduction from ASHRAE 90.1-2009.

Victor Fallon was recognized for a runner-up entry: **Foxbank Elementary School**. The project included water source DOAU.

Michael Scruggs was recognized for a runner-up entry: **Ashley River Tower**. The project included inline fan-coil with existing AHU and MERV 14 filter.

Some fantastic categories are included in the ASHRAE certification program. Every member should consider becoming certified in one of these areas: Energy Assessment Professional (BEAP); Building Energy Modeling Professional (BEMP); Commissioning Process Management Professional (CPMP); Healthcare Facility Design Professional (HFDP); High-Performance Building Design Professional (HBDP) and Operations & Performance Management Professional (OPMP)  
-Gene Brown



### CJEC Update:

Next year's E-Week Banquet is scheduled for Tue, 19 Feb 2019 at Buyer Auditorium in Mark Clark Hall. Members are asked to join the 2019 Banquet planning committee and identify/reach out to sponsors to both donate to the event and supply raffle items.

Engineer of the Year and Technical Project Team of the Year process review and policy assessments; member organizations continue to create awareness and encourage eligible persons and teams to submit nominations when due in the mid-Jan 2019 timeframe

Greg Ashcroft

CJEC Liaison

### GAC Corner:

We are looking forward to a new year, with more Government Advocacy in the works. We have a few goals set up for this year, including our "Government Outreach Day" at the Statehouse, and establishing more relationships at local City & County levels. Of course, we are always looking for more committee members, so if you are interested give me a call.

Did you know that October 4<sup>th</sup> is Energy Efficiency Day? As ASHRAE Members, we are always looking to reduce building energy costs in our designs, but what are we doing at home? Consider changing 5 light bulbs to LED on Energy Efficiency Day! If you are an SCE&G Customer, you can purchase 5 LED Light bulbs for only \$5.00! A quick and inexpensive way to make a little difference. See the links below if you want more info.

<https://www.energyefficiencyday.org/>

<http://www.energyfederation.org/sceg>

Pete Conroy

Government Affairs Committee Chair





## Chapter Officers

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# 2018-2019 Events

September 11th, 2018 **Meeting @ Harbor Breeze— [How do Pressure Drop, Efficiency, Weight Gain, and Loaded Dust Composition Change throughout Filter Lifetime?](#)**

October 9th, 2018 **Meeting @ Harbor Breeze— [TBD](#)**

November 13th, 2018 **Meeting @ Harbor Breeze— [TBD](#)**

December 11th, 2018 **Winter Annual Oyster Roast @ TBD**

January 8th, 2019 **Lunch Meeting @ Harbor Breeze— [TBD](#)**

February 12th, 2019 **Meeting @ Harbor Breeze— [Critical Room Control](#)**

March 12th, 2019 **Meeting @ Harbor Breeze— [TBD](#)**

April 9th, 2019 **Meeting @ Harbor Breeze— [TBD](#)**

May 14th, 2019 **Meeting @ Harbor Breeze— [TBD](#)**

June 2019 **Summer Low Country Boil Social @ TBD**

## What is YEA?

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!

