

ASHRAE MONITOR

HAMPTON ROADS CHAPTER

March 2020

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NEXT MEETING

Tuesday, March 3rd

Getting from AEDGs to Zero-Energy Buildings

GBCI Approved | 2 CE Hour | 0920020232

AIA Approved | 2 LU/HSW | Crawley06

Classification: Basic, Intermediate

Buildings account for more than 40% of worldwide primary energy use. ASHRAE, IESNA, USGBC, AIA, and DOE have collaborated on a series of Advanced Energy Design Guides (AEDGs) for significant energy savings beyond Standard 90.1.

The guides provide prescriptive packages for each climate zone to reach the energy savings goals of 30% and 50%. AEDGs for 50% savings in five building types were completed in 2014. This presentation provides an overview of the AEDG process as well as examples of packages and case studies from the 50% guides. Also presented are examples of today's zero-energy buildings and the key systems and technologies they employ.

\$20.00 Members | \$25 non-members | Free to Students

**Location: Clark Nexsen 4525 Main St,
Virginia Beach, VA**

11:45am-Noon: Meet & Greet

Noon-1:00 PM: Presentation

RSVP

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Upcoming Events

Tuesday, March 3rd

Dru Crawley, Distinguished Lecturer - Getting AEDGs to Net Zero Energy Buildings

Monday, April 6th

Richard Rooley, Distinguished Lecturer - Sublime chaos in construction: Each profession and trade as a strange and dominant attractor.

Wednesday, March 18th

ODU Student Chapter + YEA Admirals Game Norfolk Scope

Tuesday, April 14th

Members Appreciation Night + YEA Event Top Golf Virginia Beach

Tuesday, May 5th

R. Chris Mathis, Distinguished Lecturer - Building Science Lessons from the Honey Bee

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www.ashraehrc.org

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ASHRAE's Mission and 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.



NEW MEMBERS

Ben Sablan

Douglas Coleman

Lamar Wise

Wil Taylor

Matthew Wilson

Kyle Bond

Gilbert Martinez

Steven Finley

Ozgur Altiparmak

Jeffrey Perez

Oliver Aurand

WELCOME TO OUR NEW MEMBERS!

THE PRESIDENT'S PEN

Dear Members,

With our upcoming Chapter meeting schedule I wanted to take some time to highlight the the ASHRAE Distinguished Lecturers (DL) Program. The program began in Society Year 1996-97. The purpose of the program is to provide ASHRAE Chapters with lecturers equipped to speak on relevant subjects of interest to ASHRAE members and guests without incurring huge costs. The Distinguished Lecturer Program is supervised by the Chapter Technology Transfer Committee. Through our annual allocation and excellent work by CTT Chair Carrie Anne Monplaisir, our chapter is able to host three DLs (one international!) this program year, providing exceptional content to the membership. I hope you are all able to attend the upcoming presentations and we look forward to seeing you there.

Regards,

Will Castelvechi, PE

MARCH DISTINGUISHED LECTURER

Drury B. Crawley, Ph.D., AIA, Fellow ASHRAE, BEMP



Dru Crawley is Bentley Fellow and Director, Building Performance Research focusing on building performance, BIM, net-zero-energy buildings, sustainability, resilience, and smart cities. Prior to being elevated to Bentley Fellow in 2014, he led development of Bentley's suite of building performance software for four years.

Before joining Bentley in 2010, Dr. Crawley developed and managed EnergyPlus and the USDOE's Commercial Buildings Initiative (now Better Buildings Initiative and Alliances) promoting creation of net-zero-energy buildings. With more than 40 years of experience in buildings energy efficiency, renewable energy, and sustainability, he has worked in engineering software development, government research and standards development organizations, as well as building design and consulting companies.

He received his PhD in Mechanical Engineering from University of Strathclyde in Glasgow, Scotland on the topic of building simulation as a policy tool, a Bachelor of Architecture from University of Tennessee, and is a registered architect. He has written more than 125 papers and articles, testified before the U.S. Congress, lectured at more than 30 universities, and made more than 400 presentations on building energy efficiency, sustainability, and renewable energy throughout the world. As an ASHRAE Distinguished Lecturer, he has given more than 150 presentations and workshops to more than 80 ASHRAE chapters throughout the world.

ASHRAE GLOBAL HEADQUARTERS

ASHRAE held a groundbreaking event to celebrate the start of construction on its new global headquarters renovation project. The event marked the beginning of the renovation on a two-story, 66,700 square-foot building, located at 180 Technology Parkway, Peachtree Corners, Ga. The project is expected to be completed by late summer, with ASHRAE's approximately 125 person staff moving into the new headquarters building by October 2020. Separate donor recognition and public events will be held throughout the course of the project, starting with an initial donor recognition at the 2020 ASHRAE Winter Conference.

"Our new headquarters project will showcase ASHRAE's best practices and help us achieve our vision of a healthy and sustainable environment for all," said 2019-20 ASHRAE President Darryl K. Boyce, P.Eng. "Because of the support of generous donors through ASHRAE's building campaign, we are able to make this project a reality."

Features such as water efficient plumbing and landscape, energy efficient HVAC and lighting systems, as well as the ability to harness on site energy production and be a net-zero-energy ready building were clearly defined as project requirements.

In attendance at the groundbreaking event were members of ASHRAE's Building Ad Hoc and Technical Advisory Subcommittee. "ASHRAE's new headquarters will serve as a model of how to successfully renovate an older, less-efficient building into a showcase example of a state-of-the-art energy-efficient office building," said Building Ad Hoc Committee Chair Ginger Scoggins. "I am proud to serve on the ad hoc committee of this important project and even more proud of the powerful statement it will make regarding sustainable renovation of the existing building stock."

"The plans for this project incorporate some of ASHRAE's most well-known indoor air quality and energy standards and the end result will be a building that will offer a cutting edge, tangible example of sustainability in action," said Technical Advisory Subcommittee Chair Tim McGinn.

For more information about ASHRAE's Global Headquarters Renovation project, please visit ashrae.org/newhq.

A LITTLE SLICE OF HISTORY PART 7: 50 YEARS STRONG

In 1996, Past President Renison Tisdale was honored to serve as a Vice-Chairman in Region III. Also in 1996 under John Say the Chapter turned 50 years old and was presented with a certificate from then Society President Richard Hayter. In 1997, the CRC was held in Washington DC where Research Promotion Chairman for five years, Don Larson, was awarded the Regional Watchdog Award for his excellent work.

In June of 1997 at the semiannual meeting of Society held in Boston, the top refrigeration award was conferred on James L. Carver. The Chapter had full PAOE honors, plus adding \$2,500 to the Research Promotion fund of the Chapter due to this award.

By 1997 the Chapter has 156 members. The Chapter newsletter name changed to "ASHRAE Monitor" in honor of the first naval ironclad ship battle in Hampton Roads. Dan Pettway takes the helm for the 1997-1998 chapter year.

More next month...

2019-2020 Chapter Calendar

Tuesday, March 3rd

Dru Crawley (DL) Getting AEDGs to Net ZeroEnergy Buildings

Tuesday, March 17th

Board Meeting

Wednesday, March 18th

ODU Chapter/YEA Hockey Game

Tuesday, April 7th

Chapter Meeting - Past Presidents

Tuesday, April 14th

Top Golf Event

Tuesday, April 21st

Board Meeting

Tuesday, May 5th

Chapter Meeting (Last of the 2019-2020 Season)

Tuesday, May 19th

Board Meeting

Thursday, May 28th

ASHRAE/IFMA Golf Tournament

Tuesday, June 16th

Board Meeting

June 27th - July 1st

ASHRAE Annual Conference Austin, TX

August 13th - 15th

Region III CRC@ Key Bridge Marriot Hotel, Washington DC

2019-2020
Sponsors & Donors

Thank you to the first round of sponsors who have pledged for the 2019-2020 season. Your commitments have us well on the way to another successful year

From the entire board:

THANK YOU!

Interested in seeing your company name here? It's never too late! Email the board at ashraehrc@gmail.com or visit our website at ashraehrc.org/sponsors

Thank you to our 2019-2020 Sponsors

Presidential



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Chapter



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