

ASHRAE MONITOR

NOVEMBER 2019

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Doug Cage

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Nathan Luetke

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Scott Almond

Young Engineers in ASHRAE (YEA)
Jaron Waters



Chapter cannot act on behalf of Society

Chapter Meeting

Thursday November 7th, 2019

Michael Spencer

Will Present

Centralized DCV Sensors and a their use in a Net Zero Case Study

\$20.00 members, \$25.00 non-members,
students FREE

The meeting will be held at Clark Nexsen in Virginia
Beach Town Center. Food will be served at 11:30.

The meeting will start at 12:00. [RSVP](#)

Clark Nexsen:

[4525 Main Street Virginia Beach, VA 23462](#)

Season passes available on the chapter website.

Get seven lectures for the price of six!

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Upcoming Events

Chapter Meeting

November 7th, 2019

Board Meeting

November 19th, 2019

Brewer/Distillery Tour

Week of December 2nd

2020 ASHRAE Winter Conference

February 1-5, 2020

VISIT US

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.

Virginia Energy Code History

...Continued from October Newsletter

2010: The Codes and Standards Committee of the Virginia Board of Housing and Community Development met on Monday, June 22 to review the 2009 I-Codes and code changes to make decisions on proposed building regulations. The Committee unanimously approved proposals that included updating the energy code to reference the 2009 IECC. The next meeting of the full Board is scheduled for Monday, July 27, for the consideration of proposed regulations for the Uniform Statewide Building Code. A 60-day comment period on the 2009 IRC and IECC was expected later this year.

2011: The 2009 USBC/IECC was approved July 27, 2010 and went into effect on March 1, 2011.

2015: The 2012 USBC/IECC was approved and adopted July 1, 2014 and went into effect on July 1, 2015 with a one year interim period.

2018: The 2015 USBC/IECC was approved and adopted, going into effect on Sep 4, 2018.

The Presidents Pen

Dear Members,

We are rapidly approaching the 2020 ASHRAE Winter Conference. The 5 day event is packed with technical sessions, educations, technical committee meetings, and social events. Additionally, the conference host the AHR expo, the world's largest HVACR Marketplace. Hundreds of vendors will be onsite showcasing the latest products and best practices of the industry. Retired NFL referee Ed Hochuli will be the keynote speaker, providing hips and beliefs on the secrets to being successful at whatever job or avocation one takes on.

The technical program is comprised of eight tracks representing areas of focus among the ASHRAE membership. Tracks include Fundamentals and Applications, Systems and Equipment, Refrigeration and Refrigerants, Cutting Edge Approaches, High Efficiency Design and Operation, Big Data and Smart Controls, Ventilation, IAQ, and Air Distribution, and Standards, Guidelines, and Codes. With over 100 technical sessions, 300 speakers, and more than 150 PDHs there is something for everyone to learn. Hope to see you there!

Will Castelvechchi



ALL CALL!!

CHILDREN'S HARBOR

For 2019, the 12th year running for the E4k charity, our E4k Charity of Choice is Children's Harbor. Children's Harbor is a nonprofit organization advocating for all children to have access to quality early-care and education. Donations fund early-care and education programs in Hampton Roads, VA. By providing places and programs, Children's Harbor is the model for comprehensive services for children. Supporting child development through early education is a fundamental component to advancing the arts and sciences which is directly in-line with our core values. That is why we, ASHRAE HRC and IFMA, selected Children's Harbor as this year's recipient. We are working with their leadership to develop a plan for select HVAC and energy improvements that best aligns with the needs of their four facilities. We will provide updates as the this develops further.

2019-2020
Sponsors & Donors

Thank you to the first round of sponsor 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 2018-2019 Sponsors

Presidential



Gold



Silver



Chapter



Donors



What's in the News

[ASHRAE Releases Expanded Revised Version of Standard 90.1](#)

ATLANTA (October 25, 2019)

ANSI/ASHRAE/IES Standard 90.1-2019, Energy Efficiency Standard for Buildings Except Low-Rise Residential Buildings, contains more than 100 changes from the 2016 version, including numerous energy-saving measures. "The goal of the 2019 version of 90.1 was to provide clearer guidance for exceeding efficiency goals," said Drake Erbe, chair of the Standard 90.1 committee. "This new version focuses on energy-saving measures which we hope will reward designs for achieving energy cost levels above the standard minimum and result in more efficient buildings and more innovative solutions."

Events for YEA members

YEA Scholarship for HVAC Design Essentials Training – Applications open November 2019

Presented by the ASHRAE Learning Institute, the HVAC Design Essentials Training allows attendees to gain the fundamentals and technical aspects to design, install and maintain HVAC systems. To encourage attendance by young professional ASHRAE members, YEA offers attendance scholarships to the HVAC Design training. The full cost of registration to Level I or II of this training will be covered by ASHRAE. Any additional costs, such as airfare or hotel, are not covered by this scholarship. [Learn More](#)

A Little Slice... (of History)

(Doug Cage) The following is the third segment in a series detailing the 1998 "History of the Chapter" by James L. Carver. "In 1971, Herbert Brown was outgoing President of the Chapter and Herbert L. Sullivan was incoming when the Chapter Region III Conference took place in Virginia Beach. The location was the Hilton Washington Club Inn on the Atlantic Oceanfront. The report from the chapter to the region notes "Biggest problem is keeping the cost of meals at a level acceptable to the average member, attendance drops as the price of the meal increases." The new meeting place now was to Lewis Seafood on Colley Avenue in Norfolk. During the 1971 CRC at Virginia Beach, Hurricane "Ginger" visited and made this CRC one to remember. Interesting note was the visiting of Society President Elect Walter Spiegel, who got stuck in Norfolk when passenger flights out were canceled. The number of members of the Chapter at his time was 77; money in the bank was \$100 with one contribution, indicating little local acceptance. By 1973 now President Bill Antley had moved the Chapter to Lake Wright. Cost of meals seemed to be the real problem with attendance. Securing good speakers remained a real problem. In reviewing the note, it appears that the officers constantly did not use the Chapter Operation Manual (I found that funny), money in the bank \$150 with 12 contributions totaling \$170. By 1975, the Chapter had grown to 108, enough for the chapter to receive the "blue ribbon" award for membership growth. The cost of the meal for a chapter meeting was \$6.10. President Joe Watson reported that year that the Research program did very well with the new enthusiastic Chairman. The chapter collected \$11.44 per member, up from \$2.23 in 1973-74. That chairman was Herbert Brigman."

2020 Region III Chapter Regional Conference



ASHRAE National Capital will host the Region III CRC at the Key Bridge Marriott in downtown Arlington, VA. Two technical session tracks consisting of 4 1.5 hour long lectures will be offered for continuing education credit on Thursday, August 13. A joint YEA and WiA happy hour will be hosted and there are numerous sites to see in the Northern Virginia/Washington DC area. Please contact the CRC Co-chairs [Laura Morder](#) and [Erin Miller](#) for more information.

Key Bridge Marriott Hotel - August 13-15, 2020

New Members

No new members this month.
Bring a friend to a meeting and encourage them to join!

New Student Members

Bulletin Board

ASHRAE Journal 2019
Supplier Webinar Series:

AMCA: Update on Codes, Standards and Certifications for Severe-Duty Louvers and Fire/Smoke Dampers

The air-systems industry is undergoing tremendous change, especially in the areas of codes, standards, and regulations. Moreover, technologies in these areas are evolving, as are methods engineers use to size, select, and specify equipment. Join AMCA Oct. 23 for a FREE 60-minute webinar including changes in the 2019 editions of NFPA 80, Standard for Fire Doors and Other Opening Protectives, and NFPA 105, Standard for Smoke Door Assemblies and Other Opening Protectives, allowing remote periodic testing of life-safety dampers and how remote testing can significantly reduce costs and improve safety.

[Click here](#) for more info and to register.



2019

January	February	March	April
1 2 3 4 5	1 2 3 4 5 6	1 2 3 4 5 6 7	1 2 3 4 5 6
6 7 8 9 10 11 12	6 7 8 9 10 11 12	8 9 10 11 12 13 14 15	7 8 9 10 11 12 13
13 14 15 16 17 18 19	13 14 15 16 17 18 19	16 17 18 19 20 21 22 23	14 15 16 17 18 19 20
20 21 22 23 24 25 26	20 21 22 23 24 25 26	24 25 26 27 28 29 30 31	21 22 23 24 25 26 27
27 28 29 30 31	27 28 29 30 31	31	28 29 30 31
May	June	July	August
1 2 3 4 5 6	1 2 3 4 5 6 7	1 2 3 4 5 6 7	1 2 3 4 5 6
7 8 9 10 11 12 13	8 9 10 11 12 13 14	8 9 10 11 12 13 14 15	7 8 9 10 11 12 13
14 15 16 17 18 19 20	15 16 17 18 19 20 21	16 17 18 19 20 21 22 23	14 15 16 17 18 19 20
21 22 23 24 25 26 27	22 23 24 25 26 27 28 29	24 25 26 27 28 29 30 31	21 22 23 24 25 26 27
28 29 30 31	29 30 31	31	28 29 30 31
September	October	November	December
1 2 3 4 5 6 7	1 2 3 4 5 6	1 2 3 4 5 6 7	1 2 3 4 5 6 7
8 9 10 11 12 13 14	8 9 10 11 12 13 14	8 9 10 11 12 13 14 15	8 9 10 11 12 13 14
15 16 17 18 19 20 21	15 16 17 18 19 20 21	16 17 18 19 20 21 22 23	15 16 17 18 19 20 21
22 23 24 25 26 27 28	22 23 24 25 26 27 28 29	24 25 26 27 28 29 30	22 23 24 25 26 27 28
29 30	29 30 31	31	29 30 31

HELP WANTED

We have published the dates for our monthly Board Meetings. If you'd like to learn more about the behind the scenes of ASHRAE reach out to any of the Chapter Officers and we'd be glad to extend you an invitation.



Seasons Pass

Consider a season pass to our chapter meetings. For the Member Price for six meetings you get the access to all nine! Click the "Season Pass" option when you register for the November meeting. Season's Passes are open to all active members.

2019-2020 Chapter Events Calendar

Month	Date	Event
<i>July 2019</i>	1 st 17 th	Start 2019-2020 Calendar Year Board Meeting
<i>August 2019</i>	14 th –16 th 27 th	Region III CRC @ The Main, Downtown Norfolk Board Meeting
<i>September 2019</i>	3 rd 17 th 26 th	Chapter Meeting – Soft Skills Overview Board Meeting ASHRAE / IFMA E4k Pig Roast
<i>October 2019</i>	8 th 15 th 17 th	Joint ASPE Chapter Meeting – Controlling Legionella and other Waterborne Pathogens Board Meeting YEA Happy Hour – Pixels Pints & Bytes
<i>November 2019</i>	7 th 19 th	Chapter Meeting – Centralized DCV Sensors and a their use in a Net Zero Case Study Board Meeting
<i>December 2019</i>	3 rd 17 th	Chapter Meeting – Brewery/Distillery Tour Board Meeting
<i>January 2020</i>	7 th 21 st	Chapter Meeting – Scope Area Tour & Ice Hockey Game – Admirals vs Solar Bears Board Meeting
<i>February 2020</i>	1 st - 5 th 11 th 18 th	ASHRAE Winter Conference – Orlando, FL Joint ASPE Chapter Meeting (2nd Tuesday) – Panel Discussion Board Meeting
<i>March 2020</i>	3 rd 17 th	Chapter Meeting – (DL) Getting AEDGs to Net Zero-Energy Buildings Board Meeting
<i>April 2020</i>	7 th 21 st	Chapter Meeting – Past President's Night Board Meeting
<i>May 2020</i>	5 th 19 th TBD	Chapter Meeting (Last of the 2019-2020 Season) Board Meeting ASHRAE / IFMA Golf Tournament
<i>June 2020</i>	16 th 27 th – July 1 st	Board Meeting ASHRAE Annual Conference – Austin, TX
<i>August 2020</i>	13 th – 15 th	Region III CRC

Check our website for updates and to add events to your Outlook or mobile calendars.

<http://ashraehrc.org>