

ASHRAE MONITOR

DECEMBER 2019

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Carrie Anne Monplaisir

Vice President
Matt Waltz

Treasurer
Matt Waltz

Secretary
Jaron Waters

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Brian Derby

Christian Guerra

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Carrie Anne Monplaisir

Government Affairs
Doug Cage

Historian
Doug Cage

Membership Promotion
Kyle Bond

Research Promotion
Rich Roberts

Student Activities
Brian Derby

Student Advisor
Nathan Luetke

Website Editor
Scott Almond

Young Engineers in ASHRAE (YEA)
Jaron Waters



Chapter cannot act on behalf of Society

Chapter Meeting

Friday January 10th, 2020

Scope Arena Tour & Admirals Hockey Game

\$30.00 adults, \$20 children under 18,
under 2 free

The meeting will be held at the Scope Arena Located in Downtown Norfolk. The tour will take place at 4pm before the game. Tickets include food and rinkside seats. [RSVP](#)

Scope Arena:

[201 E Brambleton Ave, Norfolk, VA 23510](#)

Season passes available on the chapter website.

Parking available at MacArthur Center or Scope Garage



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Upcoming Events

IES Emerging Professionals Social – Winter 2019

Thursday Dec 12th, 2019

[RSVP](#) by Dec 12 at 12pm

IFMA HR 2019 Holiday Social

Tuesday Dec 17th, 2019

[RSVP](#) by Friday Dec 6th

Scope Arena Tour and Admirals Hockey Game

Friday Jan 10th, 2020

VISIT US

ashraehrc.org/

FOLLOW US



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.

YEA Events

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.

YEA Leadership Weekend

Minneapolis, Minnesota – May 15-17, 2020

Are you interested in expanding your knowledge, meeting fellow engineers and having some fun along the way? Look no further than YEA Leadership Weekend! YEA Leadership Weekend is an opportunity for you—the future leaders of ASHRAE—to learn more about Society, develop soft skills and network with other young professionals.

The Presidents Pen

Dear Members,

Our board of governors recently received a phishing email from someone posing as me, asking them to purchase gift cards for a charity donation. Luckily, I received several emails from board members alerting me to the problem. I wanted to take this time to remind everyone about email security and phishing scams. Phishers can pose as clients, vendors, contractors, even friends and family. They will typically ask for some type of bank account information, wire transfer, gift cards, or other personal information that could be used to steal your identity. The most widely known version of this scam is the “Nigerian Prince” scam.

Links and attachments from unknown senders could also contain potentially harmful malware. Before opening links, remember to Stop, Hover, Identify, and Think about the link in the URLs. Delete any suspicious email and let your IT staff know as soon as possible.

Stay safe out there!

Will Castelvechchi

From: William Castelvechchi <pres_org@exsescrone.com>
Sent: Monday, December 2, 2019 10:00 AM
To: [REDACTED]
Subject: ASHRAE REQUEST

Matt,

How are you today? I need your Assistance. are you available? I'm out of town. Can you please handle this for me on behalf of the Association, American Society of Heating, Refrigerating and Air-Conditioning Engineers-Hampton Roads Chapters, needs Gift cards for donation to Veterans Hospice care unit across the community. Kindly confirm if you can help out?

William Castelvechchi,
President,
ASHRAE.

GENERIC CHARITY WE DO NOT HAVE AN ESTABLISHED RELATIONSHIP WITH

NOT MY EMAIL ADDRESS



Code Update:



ANSI/ASHRAE Standard 62.1-2018
Supersedes ANSI/ASHRAE Standard 62.1-2015
Includes ANSI/ASHRAE addenda listed in Appendix K.

Ventilation for Acceptable Indoor Air Quality

See Appendix K for approval given by the ASHRAE Standards Committee, the ASHRAE Board of Directors, and the ASHRAE and ASHRAE Addenda Committees.



Updated Versions of Standards

62.1 and 62.2

ATLANTA (November 8, 2019)

Significant changes to Standard 62.1 include:

- New informative tables of ventilation rates per unit area for checking new and existing building ventilation calculations
- Simplified version of the Ventilation Rate Procedure, improving calculations for system ventilation efficiency and zone air distribution effectiveness
- Modified Natural Ventilation Procedure calculation methodology
- Revised scope to specifically identify occupancies previously not covered
- New requirement that natural ventilation consider the quality of the outdoor air and interaction of the outdoor air with mechanically cooled spaces
- Humidity control requirements now expressed as dew point instead of relative humidity

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



Gold



Silver



Chapter



Donors



What's in the News

[ASHRAE Hosts First 'Tech Hour' on Optimizing Occupant Health in Indoor Environments](#)

ATLANTA (November 19, 2019)

ASHRAE is pleased to announce the launch of its first ever Tech Hour video. ASHRAE Tech Hour provides relevant technical content in the form of one-hour videos to members and interested individuals through the ASHRAE 365 app.

On November 19, ASHRAE premiered Tech Hour #1: Optimize Occupant Health, Building Energy Performance and Revenue through Indoor-Air Hydration. This video, presented by Stephanie Taylor, M.D., M. Arch. and CEO of Taylor Healthcare Inc., examines the powerful influence of indoor air and humidification on humans and actionable steps to improve health, productivity and learning.

A Little Slice of History – Part 4: 1976 Bicentennial

(Doug Cage) “The National Bi-Centennial of 1976 was the highlight of the year with a gala red, white and blue event held at the last meeting of the year. CRC’s held in the Baltimore Hilton – 1977, Tamiment Resort and Country Club, PA – 1978, Colonial Williamsburg Cascades, VA – 1979, and Downingtown Inn Resort, PA – 1980 were well attended, but uneventful for the Hampton Roads Chapter. In 1981 President Robert W. Hayes began to move the membership to become more involved in the Region and even Society. Hayes himself was on a Technical Committee. The CRC that year was in Charlottesville, VA in the Boar’s Head Inn. The Chapter received awards for membership, PAOE and honors. W. Boyce Blanchard became the Chapter Historian, although no Chapter written history exists today, Blanchard went on to become the Region III Historian in 1982. President Robert C. Baswood was at the helm when Hampton Roads Chapter hosted the CRC in 1982. The Conference was held at the Holiday Inn 39th Street and Oceanfront, Virginia Beach (no hurricane this time). Energy Conservation and Management were the topics of the Technical Sessions.”

[Facing unbearable heat, Qatar has begun to air-condition the outdoors.](#)

DOHA, Qatar (October 16, 2019)

It was 116 degrees Fahrenheit in the shade outside the new Al Janoub soccer stadium, and the air felt to air-conditioning expert Saud Ghani as if God had pointed “a giant hair dryer” at Qatar.

Yet inside the open-air stadium, a cool breeze was blowing. Beneath each of the 40,000 seats, small grates adorned with Arabic-style patterns were pushing out cool air at ankle level. And since cool air sinks, waves of it rolled gently down to the grassy playing field. Vents the size of soccer balls fed more cold air onto the field. Ghani, an engineering professor at Qatar University, designed the system at Al Janoub, one of eight stadiums that the tiny but fabulously rich Qatar must get in shape for the 2022 World Cup. His breakthrough realization was that he had to cool only people, not the upper reaches of the stadium — a graceful structure designed by the famed Zaha Hadid Architects and inspired by traditional boats known as dhows. [Read More.](#)

New Members

Wil Taylor

Matthew Wilson

Kyle Bond

Gilbert Martinez

Steven Finley

Ozgur Altiparmak

Bulletin Board

ASHRAE Journal 2019 Supplier Webinar Series:

Grease Duct Systems - Design for Code Compliance & Fire Safety

Commercial cooking operation poses a potential fire hazard, especial with frying and/or grilling, which in turn creates grease fumes. Type 1 hoods for these processes are vented utilizing grease duct systems to exhaust heat and fumes outside the building. Codes and standards for duct construction, insulation, and correlating UL listings have changed considerably over the past decade to improve building and occupant safety. This presentation will cover basic fire prevention design along with national codes and standards referenced by local code officials (AHJ). This presentation is beneficial for mechanical HVAC engineers and sheet metal contractors to gain a basic understanding of code compliant system design and construction. Knowledge of current code/standards referenced by code officials will help ensure a system design and installation that will easily pass inspection, all while providing maximum fire safety.

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

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

2019

January	February	March	April
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May	June	July	August
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September	October	November	December
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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	Chapter Meeting – Centralized DCV Sensors and their use in a Net Zero Case Study
<i>December 2019</i>	3 rd 4 th	Board Meeting Chapter Meeting – 5:30 pm The Cavalier Distillery Tour At the Cavalier Hotel, please arrive at least 15 minutes early
<i>January 2020</i>	10 th 21 st	Chapter Meeting – Scope Area Tour & Ice Hockey Game – Admirals vs Solar Bears (Friday) 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 @ Key Bridge Marriot Hotel, Washington DC

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

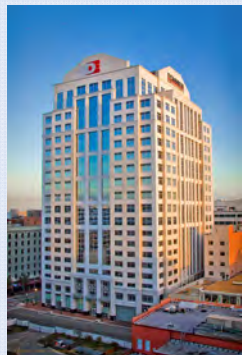
<http://ashraehrc.org>



IFMA Hampton Roads 2019 Holiday Social

December 17 | Dominion Enterprises

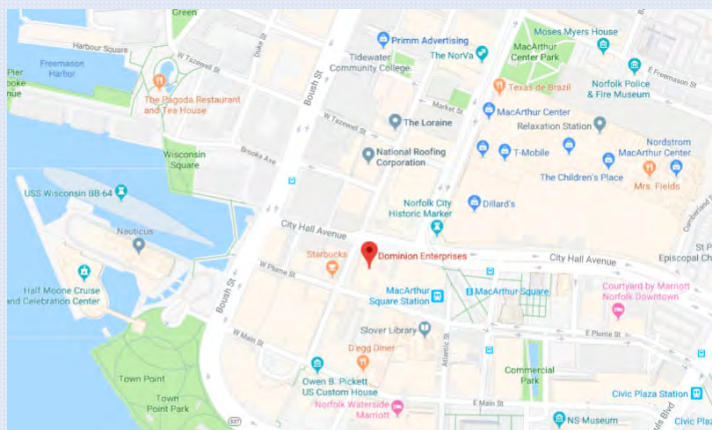
We hope you will mark your calendar and plan on joining us for this fun evening. RSVP by sending your name/company name and guest name to ifmahr@gmail.com, no later than **December 6th** for this great event.



Visitor Parking Instructions

To enter the Dominion Enterprise parking garage, you will need to make a right off of City Hall Ave. into the garage. Once at the gate, use the call box to announce yourself. The Security Officers will verify the approval for parking, then raise the gate arm. Proceed up the ramp and through the garage until you reach the 6th floor parking area. You can park in any open spot on the 6th floor. To gain entrance into the building, please go to the glass doors at the elevator bank. Use the call box and Security will open the door. Take the elevator to the 20th floor.

- Date** Tuesday, December 17
- Place** 150 Granby Street, Norfolk, VA 23510
- Time** 6:00 PM to 9:00 PM
- Cost**
 - \$45 per person: IFMA and ASHRAE Members and member guest
 - \$55 per person: non-member and non-member guest
- Directions** West on I-264 W/Norfolk-Virginia Beach Expy, follow I-264 W to City Hall Avenue, Norfolk. Take exit 10 from I-264 W. Follow City Hall to 150 Granby Street.



RSVP for the Holiday Social

Special thanks to our 2019 IFMA Chapter Annual Sponsors

