

ASHRAE MONITOR

DECEMBER 2021

Chapter Officers

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Jaron Waters

President Elect

Kyle Bond

Vice President

James Brink

Treasurer

James Brink

Secretary

Jack Franklin

Governors

Dan Pettway

Carrie Anne Monplaisir

Rob Ainsley

Committee Chairs

Chapter Technology Transfer

Kyle Bond

Government Affairs

Douglas Cage

Membership Promotion

Joseph Mielinski

Research Promotion

Rich Roberts

Student Activities

Jack Franklin

Historian

Douglas Cage

Student Advisor

Nathan Luetke

Website Editor

Scott Almond

Young Engineers in ASHRAE (YEA)

Brandon Savage



Chapter cannot act on behalf of Society

Chapter Meeting

Tuesday, **December 14th**

Raj Kapoor P.E.

Will Present

HVAC/Plumbing Pump Trends and Pump Motor Efficiency

\$20.00 for members, \$25.00 for non-members, and \$10 for students

Raj Kapoor P.E. will present an overview of the ASHRAE Epidemic Task Force's recommendations for dealing with COVID 19 in educational facilities. His presentation will focus on K-12 schools and educational institutions as well as discuss healthy buildings.

Location: Clark Nexsen

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

Season passes available on the chapter website.

Get nine lectures for the price of six.

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Upcoming Events

ASHRAE YEA Trivia Night

Thursday January 6th

On Zoom at 5:30pm

ODU/ASHRAE Chemistry Building Tour

Tuesday, February 8th

Old Dominion University

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.

FIND US ON:



ASHRAE's Mission and Vision

Mission: To advance the arts and sciences of heating, ventilating, air conditioning and refrigerating to serve humanity and promote a sustainable world.

Vision: ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

Get Involved

Are you looking to get involved with an active community of professionals? Would you like opportunity to grow into a leadership position? We have several opportunities available and are willing to work with your schedule and interest. Please reach out to any of the Chapter Officers or Committee Chairs. We look forward to hearing from you.

E-Mail

ASHRAEHRC@gmail.com

The President's Pen

ASHRAE MONITOR - DECEMBER 2021

Dear Members,

Six years ago, we moved from multiple sponsorship drives throughout the year to an annual sponsorship model. This means our sponsorship drive occurs once during the year. Over the next few weeks, we will be calling our previous sponsors. If you do not hear from us and would like to commit to a Chapter, Silver, Gold, or even our Presidential sponsorship levels, please reach out to any of the board members.

ASHRAE has over 100 technical committees comprised of passionate individuals who volunteer their time. These individuals are the 'experts' who steer our industry. On more than one occasion in my career a technical committee member was willing to share their expertise and time to help resolve some design challenges. If you want to network with experts in the industry, push your knowledge, or share your knowledge and experience with others consider applying for Provisional Corresponding Membership. This is a non-voting position that will allow you to tune-in and contribute.

FREE MONEY. Now that I have your attention did you know that ASHRAE Hampton Roads has three scholarships open to students pursuing a degree related to the HVAC&R industry?

- [Gordon W. Zipperer III Hampton Roads ASHRAE Endowed Scholarship in Engineering](#). \$2,500 each year, open to Old Dominion University Engineering Students. Managed by ODU.
- [Dan C. Pettway Scholarship](#). \$500 each year, open to Tidewater Community College students. Managed by TCC.
- [Hampton Roads ASHRAE Chapter Scholarship](#). \$1,500 each year; open to full time students attending a NAAB accredited program and involved with the ASHRAE Student Chapter at that school. Managed by the Chapter.

If you are interested in advancing your current degree, if you know any college students, or if you know any rising high school seniors be sure to reach out to a board member for more information. As of writing this Hurricane Florence is en-route to impact Hampton Roads. Be sure to take all necessary cautions, have a plan, and stay safe.

Jaron Waters, HRC President

2021-2022 Annual Sponsorship Packages

Hampton Roads ASHRAE Chapter is pleased to offer our single contribution sponsorship program again for the 2021-2022 year!

Presidential - \$3,500

- Six Member Appreciation Wine Tasting Event tickets with two bottles of wine per ticket
- One Golf tournament foursome
- Four season passes
- Large ad/company call out in chapter newsletter
- Large ad/company call out on event banners

Gold - \$2,500

- Three Member Appreciation Wine Tasting Event tickets with two bottles of wine per ticket
- One golf tournament foursome
- Two season passes.
- Medium ad/company call out in chapter newsletter
- Medium ad/company call out on event banners

Silver - \$1,500

- Three Member Appreciation Wine Tasting Event tickets with two bottles of wine per ticket
- Two season passes
- Small ad/company call out in chapter newsletter
- Small ad/company call out on event banners

Chapter - \$500

- Two Member Appreciation Wine Tasting Event tickets with two bottles of wine per ticket
- One season pass
- Name recognition in chapter newsletter
- Name recognition on event banners.

Sponsorship sign up is available on our website at
<http://hamptonroads.ashraechapters.org/sponsors.html>

Packages above are customizable based on sponsor needs.
Please send special requests to ashraehrc@gmail.com.

For Payment by Check:

James Brink
1021 Eden Way N., Suite 130
Chesapeake, VA 23320

Current List of ASHRAE Technical Committees

ASHRAE Technical Committee 1.1
[Thermodynamics and Psychrometrics](#)

ASHRAE Technical Committee 1.2
[Instruments and Measurements](#)

ASHRAE Technical Committee 1.3
[Heat Transfer and Fluid Flow](#)

ASHRAE Technical Committee 1.4
[Control Theory and Application](#)

ASHRAE Technical Committee 1.5
[Computer Applications](#)

ASHRAE Technical Committee 1.6
[Terminology](#)

ASHRAE Technical Committee 1.7
[General Legal Education \(orig. TG1.GLE\)](#)

ASHRAE Technical Committee 1.8
[Mechanical Systems Insulation \(orig. TC 4.13\)](#)

ASHRAE Technical Committee 1.9
[Electric Systems](#)

ASHRAE Technical Committee 1.10
[Combined Heat and Power Systems](#)

ASHRAE Technical Committee 1.11
[Electric Motors and Motor Control](#)

ASHRAE Technical Committee 1.12
[Moisture Management in Buildings](#)

ASHRAE Technical Committee, 1.13
[Optimization](#)

ASHRAE Technical Committee 2.1
[Physiology and Human Environment](#)

ASHRAE Technical Committee 2.2
[Plant and Animal Environments](#)

ASHRAE Technical Committee 2.3
[Gaseous Air Contaminants and Gas Contaminant Removal Equipment](#)

ASHRAE Technical Committee 2.4
[Particulate Air Contaminants and Particulate Contaminant Removal Equipment](#)

ASHRAE Technical Committee 2.5
[Global Climate Change](#)

ASHRAE Technical Committee 2.6
[Sound and Vibration](#)

ASHRAE Technical Committee 2.7
[Seismic and Wind Resistant Design](#)

ASHRAE Technical Committee 2.8
[Building Environmental Impacts and Sustainability](#)

ASHRAE Technical Committee, 2.9
[Ultraviolet Air and Surface Treatment](#)

ASHRAE Technical Committee, 2.10
[Resilience and Security](#)

ASHRAE Technical Resource Group, TG2.HVAC
[Heating Ventilation and Air-Conditioning Security \(HVAC\) \(orig TRG2.BCBR\)](#)

ASHRAE Technical Committee 3.1
[Refrigerants and Secondary Coolants](#)

ASHRAE Technical Committee 3.2
[Refrigeration System Chemistry](#)

ASHRAE Technical Committee 3.3
[Refrigerant Contaminant Control](#)

ASHRAE Technical Committee 3.4
[Lubrication](#)

ASHRAE Technical Committee 3.6
[Water Treatment](#)

ASHRAE Technical Committee 3.8
[Refrigerant Containment](#)

ASHRAE Technical Committee 4.1
[Load Calculation Data and Procedures](#)

Which 'TC' is for Me?

If you would like to get more plugged into the discussions that shape our industry review the enclosed list. Once you find a TC or TC's that interest you [click here](#) to apply to become a Provisional Corresponding Member.

ASHRAE Technical Committee 4.2
[Climatic Information](#)

ASHRAE Technical Committee 4.3
[Ventilation Requirements & Infiltration](#)

ASHRAE Technical Committee 4.4
[Building Materials and Building Envelope Performance](#)

ASHRAE Technical Committee 4.5
[Fenestration](#)

ASHRAE Technical Committee 4.7
[Energy Calculations](#)

ASHRAE Technical Committee 4.10
[Indoor Environmental Monitoring](#)

ASHRAE Technical Resource Group, TRG4.IAQP
[Indoor Air Quality Procedure Development](#)

ASHRAE Technical Committee 5.1
[Fans](#)

ASHRAE Technical Committee 5.2
[Duct Design](#)

ASHRAE Technical Committee 5.3
[Room Air Distribution](#)

ASHRAE Technical Committee 5.4
[Industrial Process Air Cleaning \(Air Pollution Control\)](#)

ASHRAE Technical Committee 5.5
[Air-to-Air Energy Recovery](#)

ASHRAE Technical Committee 5.6
[Control of Fire and Smoke](#)

ASHRAE Technical Committee 5.7
[Evaporative Cooling](#)

ASHRAE Technical Committee 5.9
[Enclosed Vehicular Facilities](#)

ASHRAE Technical Committee 5.10
[Kitchen Ventilation](#)

ASHRAE Technical Committee 5.11
[Humidifying Equipment \(orig. TC 8.7\)](#)

ASHRAE Technical Committee 6.1
[Hydronic and Steam Equipment and Systems](#)

ASHRAE Technical Committee 6.2
[District Energy](#)

ASHRAE Technical Committee 6.3
[Central Forced Air Heating and Cooling Systems](#)

ASHRAE Technical Committee 6.5
[Radiant Heating and Cooling](#)

ASHRAE Technical Committee 6.6
[Service Water Heating Systems](#)

ASHRAE Technical Committee 6.7
[Solar and Other Renewable Energies](#)

ASHRAE Technical Committee 6.8
[Geothermal Heat Pump and Energy Recovery Applications](#)

ASHRAE Technical Committee 6.9
[Thermal Storage](#)

ASHRAE Technical Committee 6.10
[Fuels and Combustion](#)

ASHRAE Technical Committee 7.1
[Integrated Building Design](#)

ASHRAE Technical Committee 7.2
[HVAC&R Construction & Design Build Technologies](#)

ASHRAE Technical Committee 7.3
[Operation and Maintenance Management](#)

ASHRAE Technical Committee 7.4
[Exergy Analysis for Sustainable Buildings](#)

ASHRAE Technical Committee 7.5
[Smart Building Systems](#) (orig. TC 4.11 & TC 7.4)

ASHRAE Technical Committee 7.6
[Building Energy Performance](#)

ASHRAE Technical Committee 7.7
[Testing and Balancing](#)

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ASHRAE Technical Committee 7.8
[Owning and Operating Costs](#)

ASHRAE Technical Committee 7.9
[Building Commissioning](#)

ASHRAE Technical Committee 8.1
[Positive Displacement Compressors](#)

ASHRAE Technical Committee 8.2
[Centrifugal Machines](#)

ASHRAE Technical Committee 8.3
[Absorption and Heat Operated Machines](#)

ASHRAE Technical Committee 8.4
[Air-to-Refrigerant Heat Transfer Equipment](#)

ASHRAE Technical Committee 8.5
[Liquid-to-Refrigerant Heat Exchangers](#)

ASHRAE Technical Committee 8.6
[Cooling Towers and Evaporative Condensers](#)

ASHRAE Technical Committee 8.7
[Variable Refrigerant Flow](#)

ASHRAE Technical Committee 8.8
[Refrigerant System Controls and Accessories](#)

ASHRAE Technical Committee 8.9
[Residential Refrigerators and Freezers](#)

ASHRAE Technical Committee 8.10
[Mechanical Dehumidification Equipment and Heat Pipes \(orig. TC 7.5\)](#)

ASHRAE Technical Committee 8.11
[Unitary and Room Air Conditioners and Heat Pumps \(orig. TC 7.6\)](#)

ASHRAE Technical Committee 8.12
[Desiccant Dehumidification Equipment & Components](#)

ASHRAE Technical Committee 9.1
[Large Building Systems](#)

ASHRAE Technical Committee 9.2
[Industrial Air Conditioning and Ventilation](#)

ASHRAE Technical Committee 9.3
[Transportation Air Conditioning](#)

ASHRAE Technical Committee 9.4
[Justice Facilities](#)

ASHRAE Technical Committee 9.6
[Healthcare Facilities](#)

ASHRAE Technical Committee 9.7
[Educational Facilities](#)

ASHRAE Technical Committee 9.8
[Large Building Air-Conditioning Applications](#)

ASHRAE Technical Committee 9.9
[Mission Critical Facilities, Data Centers, Technology Spaces and Electronic Equipment](#)

ASHRAE Technical Committee 9.10
[Laboratory Systems](#)

ASHRAE Technical Committee 9.11
[Clean Spaces](#)

ASHRAE Technical Committee 9.12
[Tall Buildings](#)

ASHRAE Technical Committee 10.1
[Custom Engineered Refrigeration Systems](#)

ASHRAE Technical Committee 10.2
[Automatic Ice Making Plants/Skating Rinks](#)

ASHRAE Technical Committee 10.3
[Refrigerant Piping](#)

ASHRAE Technical Committee 10.5
[Refrigerated Distribution and Storage Facilities](#)

ASHRAE Technical Committee 10.6
[Transport Refrigeration](#)

ASHRAE Technical Committee 10.7
[Commercial Food and Beverage Refrigeration Equipment](#)

ASHRAE Technical Committee 10.8
[Refrigeration Load Calculations](#)

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2022

2021-2022 Chapter Events Calendar

Month	Date	Event
July 2021	1 st	Start 2018-2019 Calendar Year
	20 th	Board Meeting
August 2021	12 th – 14 th	Region III CRC
	31 st	Board Meeting
September 2021	12 th 28 th	Chapter Meeting Board Meeting
October 2021	12 th 26 th	Chapter Meeting Board Meeting
November 2021	13 th 30 th	Chapter Meeting Board Meeting
December 2021	4 th	Chapter Meeting
	10 th	Chapter Newsletter – December
	28 th	Board Meeting
	30 th	Chapter Newsletter – January
January 2022	6 th	YEA Virtual Trivia Night
	11 th	Chapter Meeting
	25 th	Board Meeting
	28 th	Chapter Newsletter – February
	29 th – 2 nd	ASHRAE Winter Conference – Atlanta, GA
February 2022	8 th	Chapter Meeting
	22 nd	Board Meeting
	25 th	Chapter Newsletter – March
March 2022	8 th	Chapter Meeting
	29 th	Board Meeting
	31 st	Chapter Newsletter – April
April 2022	12 th	Chapter Meeting
	26 th	Board Meeting
	29 th	Chapter Newsletter – May
May 2022	10 th	Chapter Meeting (Last of the 2018-2019 Season)
	15 th	Board Meeting
	TBD	ASHRAE Golf Tournament
	27 th	Chapter Newsletter – June
June 2022	28 th	Board Meeting
	25 th – 29 th	ASHRAE Annual Conference – Kansas City, MO
July 2022	18 th – 20 th	Region III CRC

Check our website for the most up to date information.

<http://ashraehrc.org/>