

# ASHRAE MONITOR

[hamptonroads.ashraechapters.org](http://hamptonroads.ashraechapters.org)

**Next Meeting – Tuesday, May 2<sup>nd</sup>**  
*Joint Meeting with HRGBC*  
Lunch and networking starts 11:30 a.m.  
Technical Session starts at noon.

**ASHRAE Standard 62.1-2016**  
Presented by Hoy Bohanon, P.E., LEED® AP  
\$20.00 members, \$25.00 non-members

Location: Hobbs & Associates– [4850 Brookside Court, Norfolk, VA 23502](#)

[RSVP for lectures or purchase season pass](#)



*Chapter cannot act on behalf of Society*

## ASHRAE Mission Statement

“To advance the arts and sciences of heating, ventilation, air conditioning and refrigerating to serve humanity and promote a sustainable world.”

### Upcoming Events

May 2 <sup>nd</sup>	Standard 62.1-2016
May 11 <sup>th</sup>	YEA Happy Hour at Grain at the Main
May 18 <sup>th</sup>	ASHRAE/IFMA Golf Tournament
Aug 17 <sup>th</sup> -19 <sup>th</sup>	CRC 2017 at Hotel Roanoke

### Membership Promotion

May is membership promotion month. Bring a prospective member and you could both receive a prize!

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Technical Lecture Survey  
We would like your input!  
Please complete a membership survey for future lecture topics.

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April’s Lecture Recap  
A summary of Don Larsson’s lecture on the Psychrometrics of Chilled Beam Systems.

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Annual Golf Outing  
Please sign up today for the annual ASHRAE/IFMA Golf Outing benefiting research promotion.

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## Chapter Officers

### President

Brian Derby

### President-Elect

RJ Hartman

### Vice President

Christian Guerra

### Treasurer

Adam Forshey

### Secretary

William Castelvechi

### Governors

Marc Robillard

Dan Johnston

Rich Roberts

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### Chapter Technology

#### Transfer

Christian Guerra

### Grassroots Government

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OPEN POSITION

### Membership Promotion

Marc Robillard

### Research Promotion

Douglas Henderson

### Student Activities

Gary Hayden

### Sustainability

Dan Johnston

### Student Advisor

Nathan Luetke

### Website Editor

Scott Almond

### Young Engineers in

#### ASHRAE (YEA)

RJ Hartman

## May is Membership Promotion Month!

Our meeting on May 2nd will be our first Membership Promotion meeting of the year! How can you help, you ask?

Current members are invited to bring a prospective member to attend free of charge. In addition, if the prospective member joins that day, both the host member and new member will be entered into a drawing for four (4) new/host members to attend the Annual Golf Outing on May 18th!

If you know someone who is interested in joining, either bring a completed [application for membership](#), or fill one out at the meeting along with either cash or check made payable to "ASHRAE". Society dues are \$51 for Affiliate Members (under 30) and \$204 for Associate Members. In addition, Chapter dues are \$30 for all members.

If you would like to reach out to a prospective member, or can't make it to the meeting, use the [Connect a Colleague](#) tool to quickly invite colleagues to join ASHRAE by simply entering their contact information. This pre-written invitation includes options to reference a technical committee section and add a custom message. You will receive a copy of the email sent.

For questions or a list of prospective members, contact [Marc Robillard](#), Membership Promotion Chair.

## ASHRAE E-Learning

Meet your CEU requirements with on-demand web based eLearning modules at a very reasonable price. Here are just a few of the courses available. A full listing can be found [here](#).

### **DDC Specification, Installation and Commissioning (SI), 4.5 PDHs (AIA)**

**\$50.00**

**Add to Cart**

Understanding interoperability of controllers, network and data protocols with an introduction BACnet and LonWorks. 4.5 PDHs. AIA approved (SI)

Type: Individual Course

**Non-Member Price: \$50.00**

**Member Price: \$42.00**

### **Building Information Modeling (Dual), 2.0 PDHs (AIA)**

**\$50.00**

**Add to Cart**

Shows BIM's potential to improve the flow of data during planning, construction and operations, as well as improve a building's lifetime sustainability. 2.0 PDHs. Approved by AIA. (Dual)

Type: Individual Course

**Non-Member Price: \$50.00**

**Member Price: \$42.00**

## YEA Happy Hour

Thanks to everyone who showed up to March's YEA Happy Hour! Hope you all had fun! This month's happy hour will be hosted at [Grain at The Main](#) on May 11<sup>th</sup> in downtown Norfolk. An email will be sent out to the YEA folks prior to the event.

RJ Hartman  
HRC ASHRAE President-Elect  
HRC ASHRAE YEA Chair

## 2017 ASHRAE Annual Conference

Located in the heart of Southern California, Long Beach is the perfect sunny destination for the 2017 Annual Conference, June 24<sup>th</sup> – 28<sup>th</sup>. The Long Beach Convention and Entertainment Center is a brief walk apart amidst a beautiful backdrop of palm trees and blue skies. Attendees will enjoy technical sessions which address Net Zero Energy Buildings, Commissioning, Residential Buildings, Building Life Safety Systems, and more.

Register before May 1st for the best rates. [Learn More](#)  
[>>](#)

## ANNUAL SPONSORS

### Presidential Sponsors



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## CRC 2017

Thursday, August 17<sup>th</sup> -  
Saturday, August 19<sup>th</sup>

CRC 2017 will be hosted at the Hotel Roanoke in Roanoke, VA. Technical Sessions are on Thursday August 17<sup>th</sup>, and the welcome reception is Friday August 18<sup>th</sup>. Visit the ASHRAE Region III CRC 2017 [website](#) for more information.

## 2017-2018 Technical Session Survey

Your feedback is important! Please fill out the survey at the link below to give us your input on the Technical Session topics for the 2017-2018 lecture season. You can also contact [Christian Guerra](#) with any topics you would like to hear.

[Link to survey.](#)

## Chilled Beam Lecture Recap

Last month we had a presentation on “Psychrometrics of Chilled Beam Systems” by Don Larsson, a local ASHRAE member and member of TC 5.3. This topic was chosen to dispel the often used fear of “Rain in my Building”. It appears that engineers are reluctant to design and specify chilled beam systems for fear of condensation accumulation and the resulting building damage. As chilled beams have only sensible cooling capabilities, the space dew point temperature must be controlled to a point lower than the chilled water temperature of the chilled beams. This prevents condensation from forming on the beams as well as the piping and control valves.

An understanding of the psychrometric conditions of the space will prevent the formation of condensation within the controlled space. Dedicated Outside Air Systems, (DOAS), are one way of controlling both space dew point temperature and space pressurization.

A simple calculation of moisture content and DOAS supply volume can be solved for the correct DOAS dew point supply temperature. The lower the DOAS supply volume, the lower the DOAS supply dew point must be in order to maintain the space dew point. Provided that the space dew point temperature is satisfactory, the chilled beams can do all the space sensible cooling. This results in a very efficient environmental control system.

Don will be one of three presenters at the ASHRAE summer meeting in Long Beach in June on this same topic. There will also be presentations on Successful Chilled Beam Installations in high wet bulb areas of the US.



# 2017 Spring Golf Outing



**All players will get a goodie bag and there will be prizes for Longest Drive, Closet to the Pin, Best Score in 2 Flights, and Dinner**

**Please come out and support the annual ASHRAE / IFMA Scholarship Golf Outing. All proceeds go to support ASHRAE Scholarships and IFMA Community Charities!**

**Sleepy Hole Golf Course**  
 4700 Sleepy Hole Road  
 Suffolk, Virginia 23435  
[www.sleepyholegolfcourse.com](http://www.sleepyholegolfcourse.com)  
 Phone: 757-538-4100

## Thursday, May 18 - Noon Registration- 1:00 PM Shotgun (Rain Date – May 26)

Captains Choice - Dinner and awards ceremony following completion of play.

SPONSORSHIP	INCLUDES	PRICE	CHOICE
Dinner Sponsor	Banner at dinner, hole sign Role in distributing awards, Foursome	\$1,600.00	_____
Beverage Cart	Sponsor the beverage cart with Your firms sign attached, 2 golfers	500.00	_____
<b>Hole-In-One Sponsor</b>	<b>One Only! Sponsor this Contest</b>	<b>500.00</b>	_____
Gold Hole Sponsor	Longest Drive or Closet to Pin Opportunity to Market on Tee With Contest/Raffle/Refreshments, 2 golfers	400.00	_____
Hole Sponsor	Your Company's sign on Hole	160.00	_____
Golf Sponsor	One foursome	340.00	_____
Individual Sponsor	One Golfer	85.00	_____
Good Luck Sponsor	Provide Raffle/Goodie Bag Gift	Donation	_____

\*All Sponsors at or above the 500.00 level get logos added to all communications to members thru May. All Sponsors will be recognized during the awards banquet.

**TOTAL \$ \_\_\_\_\_**

Payment Method: ( ) Check Enclosed ( ) Invoice ( ) Credit Card [fax or e-mail this form]

Company: \_\_\_\_\_

Contact Name: \_\_\_\_\_ E-Mail : \_\_\_\_\_

Phone: \_\_\_\_\_ Fax # : \_\_\_\_\_

Player #1 \_\_\_\_\_ Player #2 \_\_\_\_\_

Player #3 \_\_\_\_\_ Player #4 \_\_\_\_\_

Please complete and return this form along with your payment to:

**ASHRAE MEMBERS**

**ASHRAE Golf – Douglas Henderson**  
 Six Columbus Center 4505 Columbus St., Suite 200  
 Virginia Beach, VA 23462  
 Ph: 757.499.4562 Fax 757.518.1404  
 Email: [HendersonD@pondco.com](mailto:HendersonD@pondco.com)

**IFMA MEMBERS**

**Golf IFMA Hampton Roads – Al Veck**  
 PO Box 68639 Virginia Beach, VA 23471  
 Ph: 757.508.6232 Fax: 757.497.1895  
 email: [ifmahr@gmail.com](mailto:ifmahr@gmail.com)