

# ASHRAE MONITOR

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

**Next Meeting – Tuesday, December 6<sup>th</sup>**

**Past President’s Luncheon**

Lunch and networking starts 11:30 a.m.

Technical Session starts at noon.

**Topic: Prevent Chiller Efficiency Losses with Online Tube Cleaning Systems**  
**Mike Richardson**

**\$20.00 members, \$25.00 non-members**

**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.

[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

December 6 <sup>th</sup>	Chiller Tube Cleaning for Efficiency
December 20 <sup>th</sup>	IFMA/ASHRAE Holiday Social
January 5 <sup>th</sup>	Fundamentals of Psychrometrics
January 28 <sup>th</sup>	ASHRAE Conference/AHRI Expo

### Std. 188 Legionella Recap

Presidential member Tom Watson gave a great discussion of Legionella prevention and risk management. **Page 2**

ASHRAE Annual Conference  
 Register now for the ASHRAE annual conference and AHR Expo to be held in Las Vegas Jan 28<sup>th</sup> –Feb 1<sup>st</sup>

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Technical Lecture Program  
 The 2016-2017 lecture program includes several great topics and distinguished speakers.

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IFMA/ASHRAE Holiday Social  
 Join us for the IFMA/ASHRAE Holiday Social on December 20<sup>th</sup> at Church Point Manor.

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## Chapter Officers

### President

Brian Derby

### President-Elect

RJ Hartman

### Vice President

Christian Guerra

### Treasurer

Adam Forshey

### Secretary

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### Governors

Marc Robillard

Dan Johnston

Rich Roberts

## Committee Chairs

### Chapter Technology

#### Transfer

Christian Guerra

### Grassroots Government

#### Advocacy

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### 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

## Standard 188-2015 Lecture Recap

We have been fortunate enough to have presidential members speak at each of the past two technical lectures! On November 16<sup>th</sup>, Tom Watson spoke on the topic of Legionella prevention, and we appreciate him educating our members on this critical issue for building owners, operators, application engineers and designers. Here are some of the takeaways in case you missed it:

There are an estimated 8,000 to 18,000 cases of Legionella in the United States each year. An estimated 10% of cases are fatal.

Those most at risk are the elderly, dialysis patients, smokers and immuno-compromised persons.

Standard 188 is a performance standard which covers implementation of a risk management plan, or Water Management Program (WMP) for potable and non-potable water systems where water mists may harbor Legionella.

Buildings characterized by multiple housing units, more than 10 stories high, health care (patients stays exceed 24 hours), medical facilities for treatment of burns, cancer or transplantation, and buildings whose purpose is housing occupants 65 or older are subject to additional requirements by the Standard.

A WMP applies to cooling towers, hot tubs, fountains, misters, air washers, atomizers, and other devices that release water droplets.

The Standard is intended for use by anyone involved in design, construction, installation, commissioning, operation, maintenance, and service of centralized building water systems or their components.

Legionella outbreaks can be caused by contaminated equipment on other buildings by being upwind of outside air intakes.

Standard 188-2015 contains a prescriptive “Annex A” for health care facilities which must be followed for accreditation.

[Standard 188](#) can be viewed in its entirety for free on the ASHRAE website.

The CDC has developed a downloadable [toolkit](#) with checklists and other resources for understanding, preventing and responding to Legionella. See [www.cdc.gov/legionella](http://www.cdc.gov/legionella) for more information.



Easily request employer support with templates from the new [Conference Justification Toolkit](#).

### Keynote Speaker

[Adam Steltzner](#) - *Team Leader and Chief Engineer EDL, NASA Mars Rover Curiosity and Author*

### Hospitality

[Welcome Party >>](#)  
[Young Engineers in ASHRAE \(YEA\) Hospitality >>](#)  
[Meet and Greet >>](#)  
[President's Luncheon >>](#)  
[Members Night Out >>](#)

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## Did You Know?

All of ASHRAE standards referenced in code can be viewed online for free. This includes Standard 15, Standard 55, Standard 62.1, Standard 90.1, Standard 188, and Standard 189.1

View here:

<https://www.ashrae.org/standards-research--technology/standards--guidelines/other-ashrae-standards-referenced-in-code>

## New Members

Welcome to our new chapter members!

Mike Renn

Andrew Paul

Katherine Holmstrom

## Committee Participation Is Needed and Welcomed

If you have an interest in being involved with the chapter, we welcome members to serve in various ways.

There are currently open positions for Secretary and Grassroots Government Activities Chair.

Please feel free to contact any of the board members or email [ashraehrc@gmail.com](mailto:ashraehrc@gmail.com) for more information. It is a great way to plug in to your local community of peers and grow personally and professionally. For those of you who have served before, we welcome your participation also!

## Upcoming Technical Program

### **Tuesday, December 6th 2016 - “Prevent Chiller Efficiency Losses with Online Tube Cleaning Systems.”**

**Mike Richardson** with Robert W. Hayes Company will present on chiller fouling and how to continually maintain optimal chiller efficiency, and system capacity through the use of on-line tube cleaning systems.

[Clark Nexsen – 4525 Main St. #1400, Virginia Beach, VA 23462](#)

### **Thursday, January 5th 2017 - “Psychrometrics 101”**

**Calvin Witt**, Vice President, with AECOM will bring in the New Year with a refresher on the fundamentals of psychrometrics. The presentation will cover the psychrometric chart and psychrometric processes as they relate to HVAC design.

[Clark Nexsen – 4525 Main St. #1400, Virginia Beach, VA 23462](#)

### **Tuesday, February 7th 2017 - “ASHRAE 62.1-2016 – Multiple Space Equations”**

**Hoy Bohanon**, President, with Hoy Bohanon Engineering, PLLC will present on ASHRAE 62.1. the presentation will cover an overview of ASHRAE 62.1-2016 and how to use Multiple Space Equations per the new version. The presentation is GBCI Approved for 1 CE hour.

[Clark Nexsen – 4525 Main St. #1400, Virginia Beach, VA 23462](#)

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#### **Reservations and Full 2016-2017 Schedule:**

[HTTP://HAMPTONROADS.ASHRAECHAPTERS.ORG/RESERVATION.HTML](http://HAMPTONROADS.ASHRAECHAPTERS.ORG/RESERVATION.HTML) or  
[HRCASHRAE@gmail.com](mailto:HRCASHRAE@gmail.com)

#### **Meeting Dues:**

**Members \$20**

Non- Members \$25

Student Members \$10

\*\*Seasons Pass (9 PDH's)\$120

*\*\*No refund for missed meetings & must be present to receive PDH.*

Be sure to check our website regularly for meeting updates, cancellations, and special events. We look forward to seeing you throughout this 2016-2017 season.

Best Regards,

Christian Guerra  
2016-2017 Vice President & CTT Chair





## IFMA Hampton Roads 2016 Holiday Social

IFMA Hampton Roads will be returning to Church Point Manor on Tuesday evening, December 20 for this year's IFMA Holiday Social. Just like previous years, Church Point Manor Church Point is a great place to meet and enjoy camaraderie, food, drink, and fun for the Holiday Season.



We will have all of the usual fun events with the auction of gifts for the FoodBank of Southeastern Virginia, and a variety of food from the Rustic Gourmet Caterer which is always a hit. **As a special treat, Santa will be joining us!**

If you have attended in the past or possibly not attended an IFMA Holiday Social, this is the place to experience this event.

Mark your calendar to join us at 6:00 PM.

**Date** Tuesday, December 20, 2016

**Place** 4001 Church Point Road  
Virginia Beach, VA 23455

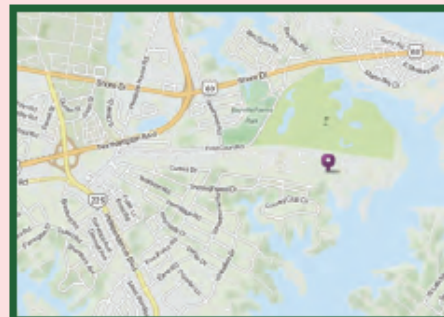
**Time** 6:00 PM to 8:30 PM

**Cost**

\$45 per person: IFMA and ASHRAE Members and member guest

\$65 per person: non-member and non-member guest

### Map



### Directions

East on I-264 E. Merge onto I-64 W. Merge onto US-13 N/Northampton Blvd. Turn onto Pleasure House Road. Turn left onto First Court Rd. Take the 2nd right onto Church Point Road. Turn left to stay on Church Point Rd. 4001 Church Point Road is on the right.

Please RSVP by Friday, December 16 to [ifmahr@gmail.com](mailto:ifmahr@gmail.com)  
*Special thanks to our 2016 IFMA Chapter Annual Sponsors*

### 2016 IFMA Hampton Roads Chapter Sponsors

