

# NEWSLETTER

## UPCOMING MEETINGS AND EVENTS:

Sept. 10 <sup>th</sup> , 2018	Golf Tournament	Feb. 12 <sup>th</sup> , 2019	TBD
Oct. 23 <sup>rd</sup> , 2018	Delaine Deer, SMACNA	Mar. 19 <sup>th</sup> , 2019	TBD
<b>Nov. 27<sup>th</sup>, 2018</b>	<b>Chris Mathis, DL Series</b>	Apr. 16 <sup>th</sup> , 2019	Past President's Night
Dec. 11 <sup>th</sup> , 2018	Christmas Social	May 16 <sup>th</sup> , 2019	Student Night
Jan. 22 <sup>nd</sup> , 2019	Stephanie Taylor, DL Series		

## CHAPTER OFFICERS

President:	<b>Nathan Cook,</b> P. Eng.	(519) 948-5000
President-Elect:	<b>David Dufour</b>	(519) 916-5411
Treasurer:	<b>Amanda Smith</b>	(519) 737-5725
Secretary:	<b>Jamie Smith</b>	(519) 890-8684

## BOARD OF GOVERNORS

<b>James Smith,</b> P. Eng.	(519) 737-5725
<b>Steve Koutsonicolas,</b> P. Eng.	(519) 999-9954
<b>Dan Castellan,</b> P. Eng.	(519) 253-3000 x 2164

## CHAPTER COMMITTEES

Research Promotion	<b>Paul Greff</b>	(519) 969-8025 x332	Government Affairs Committee	<b>Andy Hrutka</b>	(519) 978-3903
Membership Promotion	<b>James Smith,</b> P. Eng.	(519) 737-5725	Student Activities Chair	<b>Jamie Smith</b>	(519) 890-8684
Chapter Technology Transfer Committee	<b>Dan Castellan,</b> P. Eng.	(519) 253-3000 x 2164	Student Branch Advisor- University of Windsor	<b>Dr. David Ting,</b> P. Eng.	(519) 253-2871
Historian	<b>Gord Snell</b>	(519) 649-1700	Newsletter Editor	<b>Vince Laframboise</b>	(519) 255-3200 x10532
YEA Chair (Young Engineers in ASHRAE)	<b>Amanda Smith</b>	(519) 737-5725	Reception	<b>Eric Pelletier</b>	(519) 948-5000 x3219
Refrigeration Chair	<b>Jon Palmer</b>	(519) 256-7922			

## November Events

### Tuesday November 27<sup>th</sup>, 2018 – Distinguished Lecturer Program

#### Meeting of both ASHRAE and the Association of Energy Engineers (AEE)

<u>Location:</u>	Greek Orthodox Community of Windsor (Omega Room) 3052 Walker Road, Windsor, Ontario N8W 3R3
<u>Presentation:</u>	Why Buildings Matter and the Role of ASHRAE 90.1
<u>Time:</u>	Doors Open 5:15pm Dinner at 6:00 pm Presentation starts at 6:45 pm
<u>Cost:</u>	ASHRAE Windsor Chapter and AEE Members - <b>\$50</b> Guests - <b>\$60</b> Students - <b>\$20</b>

Dinner includes a buffet meal consisting of a selection of Greek cuisine. Beverages are not included.

Please Register Online: <https://ashraewindsor.simplesignup.ca>

Registration Deadline is November 22<sup>nd</sup>, 2018.

## Table Top Display

The November 27<sup>th</sup> Meeting Table Top Display will be provided by Victaulic.



## ASHRAE Distinguished Lecturer Program

### Why Buildings Matter and the Role of ASHRAE 90.1

#### Presentation by R. Christopher “Chris” Mathis



R. Christopher “Chris” Mathis has spent the past 30 years focusing on how buildings and building products perform – from energy efficiency to code compliance to sustainability and long-term performance durability.

Chris received his undergraduate degree in Physics from the University of North Carolina at Asheville. He received a Master of Science in Architecture Studies from MIT where his graduate work focused on energy use in buildings. He has served as a Scientist in the Insulation Technology Laboratory at the Owens-Corning Fiberglas Technical Center, was the Director of the Thermal Testing Laboratory for the National Association of Home Builders Research Center, and Director of Marketing for Architectural Testing, Inc., a private laboratory specializing in the performance of buildings and building products, particularly fenestration performance testing.

### WHY BUILDINGS MATTER AND THE ROLE OF ASHRAE 90.1

As our flagship standard for the minimum energy efficiency for buildings (except low-rise residential) ASHRAE 90.1 represents the Standard of Care for all certifying professionals serving the building industry. The latest version of that standard, 2013, contains dramatic changes that all certifying professionals should know. In this lecture, attendees will be provided a renewed perspective on the importance of our buildings. Attendees will learn about the connections between buildings and their energy use and other social and environmental objectives. We will discuss peak power, water consumption, carbon emissions and other connected issues. Attendees will learn about some of the latest changes to 90.1, especially in those critical areas often overlooked by HVAC professionals – the revised building envelope provisions – as well as other changes and will be challenged to update their knowledge and understanding of the Standard and its role in delivering better buildings. The presenter served 10 years on the 90.1 development committee and remains an active participant in its development.

## Crazy Weather Facts from 2018 (so far....)

### **Ice and Snow in Florida.....**

Early January brought snowflakes to the Florida panhandle for the first time since 1989 (since 1885 if you're just talking about January).

### **.....and Snow in the Sahara**

Not just a dusting—15 full inches in part of Algeria! The Sahara regularly gets cold enough to snow (nighttime temperatures generally fall below freezing in winter), but the humidity is typically far too low to produce precipitation (it being a desert and all).

### **A wildfire that caused a thunderstorm in Texas**

The Mallard Fire in the Texas Panhandle burned so hot during the month of May that it formed a kind of cloud usually associated with volcanic eruptions. Pyrocumulus clouds form when air gets heated intensely, then cools and condenses as it rises. When this happens fast enough, it can sometimes cause storms (plus the rushing winds help fuel the fire). This one caused one-inch hail and lightning near Wheeler, Texas.

### **Yet more snow, this time in June**

Newfoundland got a dousing of snow at the end of June accompanied by wind chills of 20°F. The average high that time of year is usually in the 60s.

### **And finally, those four nor'easters in a row**

The Northeastern U.S. saw four winter storms in one month, and though snow in March isn't terribly uncommon, it was a strangely stormy period. The jet stream happened to direct air down toward the coast while a block of air over the ocean prevented a shift in the wind, meaning that the area got pummeled again and again.

Source: <https://www.popsoci.com/weird-weather-2018>

## ASHRAE Region 2 Chapters Regional Conference (CRC)

The Windsor Chapter was thrilled to host the ASHRAE Region 2 CRC for 2018!!

The CRC brought in ASHRAE members from all the chapters in Region 2, as well as representatives from the ASHRAE Leadership, including President-Elect Darryl K. Boyce, P.Eng., who delivered the Presidential Address by Sheila J. Hayter, P.E., Fellow ASHRAE, current President of ASHRAE.

The ASHRAE Region 2 is comprised of the following chapters:

Halifax

Hamilton

London

Montreal

New Brunswick-PEI

Ottawa

Quebec

Toronto

Windsor



A huge thank you goes out to all involved in executing a fantastic event, all the sponsors and Caesars Windsor for hosting.

## Advertising and Promotion

Actively participating in ASHRAE events is a great way to network and discuss potential projects and applications. Chapter meetings provide a captive audience and exposure to a group actively involved in our industry. Promotion opportunities are available during our chapter meetings, through the monthly newsletter and the new website.

### TABLE TOP DISPLAY

What better way to display a new product, existing line, or share great ideas than to have a table top display at our monthly chapter meetings?

The fee to provide a Table Top Display is \$200.00 (CAD). In addition to the presentation, the fee also covers the cost of the presenter's meal at the event. If interested in providing a Table Top Display at a future meeting to promote product lines or technologies, please contact Nathan Cook to schedule.

[windsorashrae141@gmail.com](mailto:windsorashrae141@gmail.com)

Nathan Cook – (519) 948-5000

### BUSINESS CARD PROMOTION

The monthly newsletter is distributed to all of our ASHRAE Windsor members as well as several others that are involved in our industry. Inclusion of your business card in the newsletter would provide a great opportunity to introduce your name and company to those members who may not know you personally. Business cards may also be displayed on the new website.

The fee to include your business card in the newsletter is \$100.00 (CAD) for the year ending June 30, 2017. If interested in having your business card information included in the monthly newsletter, please contact Nathan Cook.

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## ASHRAE Conferences

### 2019 WINTER CONFERENCE AND AHR EXPO

#### ATLANTA – JANUARY 14<sup>TH</sup> – 16<sup>TH</sup>

Looking to plan a winter getaway? ASHRAE has you covered! The world's largest gathering of HVAC&R professionals is taking place this January in Atlanta!! An extensive technical program is available that includes a plethora of seminars, presentations, courses, training and certification opportunities for a variety of disciplines and specializations. In addition to the technical offerings, there are a number of tours and social events to meet fellow ASHRAE members from around the world. What better place to do all of this than the A-T-L!!



The International Air-Conditioning, Heating, Refrigerating Exposition (AHR Expo), which started 87 years ago as a heating and ventilation show, has grown into the event of the year for the HVACR industry. The 2019 Show will be held in Atlanta, hosting more than 2,100 exhibitors and attracting crowds of more than 60,000 industry professionals from every state in America and 165 countries worldwide. The Show provides a unique forum for the entire HVACR industry to come together and share new products, technologies, and ideas. The AHR Expo is co-sponsored by ASHRAE and AHRI, endorsed by many industry leading organizations, and is held concurrently with ASHRAE's Winter Conference.

## ASHRAE Chapter Involvement

It is a welcome sight to see Chapter members and non-member guests alike attend the monthly meetings and events. The time and effort put fourth by all individuals to attend these events is greatly appreciated as it not only helps to strengthen and develop our Chapter as a whole, it also expands the knowledge and understanding of our industry.

As it takes time and effort to attend these meetings, it also takes a great deal of time, effort and dedication to organize and prepare for these events so that they are informative and enjoyable for everyone.

It is a goal of the Windsor Chapter to increase the number of participating members. Involvement in Chapter operations is not limited to the Board of Governor and Chapter Committee positions. All individuals interested in getting involved with ASHRAE at any level are encouraged to volunteer in any capacity they are willing and able to. Any efforts to help the Windsor Chapter continue to develop and improve would be greatly appreciated.

If anyone is interested in volunteering for general involvement or to assist with any specific task, please contact Nathan Cook.

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