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Sept 2017 Issue

Next Meeting – ASHRAE NB/PEI Welcomes Distinguished Lecturer Dr Tom Lawrence Ph.D September 26, 2017

Location: **Alma City Club**
114 Alma St, Moncton

Distinguished Lecturer, Membership Promotion, and Student Night

3:30 pm – Board of Governors Meeting

5:00 pm – Social Hour

6:00 pm – Presentation: Smart Grid and Smart Buildings
by Dr Tom Lawrence, ASHRAE Distinguished Lecturer

7:00pm - Dinner:

Cauliflower Volute with Chipotle Corn

~Slow Roasted Pork Loin~

Herb Marinated Pork Loin and Wild Mushroom Cream Sauce with Garlic

Mashed Potatoes and Today's Fresh Vegetable

OR

~Dijon and Maple Glazed Salmon~

Fresh Atlantic Salmon, Dijon and Maple Glaze with Three Onion and Parmesan

Risotto and Buttered Fresh Vegetables

Strawberry and Vanilla Custard Trifle

Members: \$20.00

Non-Members: \$30.00

Students: \$10.00

New Members/Students receive a complimentary first meal with
ASHRAE NB/PEI.



Introduction to our speaker



Dr Tom Lawrence, Ph.D., P.E., Fellow ASHRAE, LEED AP of the Mechanical Engineering faculty at the University of Georgia is visiting our chapter through the ASHRAE Distinguished Lecturer program. He will be presenting on the smart grid and the ability to connect smart buildings to the system. We invite all our members to attend this supper meeting to learn about the future of electricity distribution in North America and its effect on building HVAC systems.

Dr. Lawrence is a Senior Public Service Associate and coordinator for the mechanical engineering degree program at the University of Georgia, and he has 30+ years of professional engineering experience. Before going back for his Ph.D. in Mechanical Engineering, he spent approximately 20 of those years in industry and consulting. Dr. Lawrence is a member of the ASHRAE Board of Directors; past chair of ASHRAE Technical Committee 2.8 Building Environmental Impact and Sustainability; and a member of the committee that wrote ASHRAE Standard 189.1 on high-performance green buildings. As an ASHRAE Distinguished Lecturer, he gives presentations and workshops on green building design around the world. He is the chair of the editorial committee that will produce the 5th edition of the ASHRAE Green Guide, which will be published in late 2017. Dr. Lawrence has a B.S. with Highest Distinction honors in Environmental Science from Purdue University, M.S. in Mechanical Engineering from Oregon State University and a second M.S. degree in Engineering Management from Washington University. He received a Ph.D. in Mechanical Engineering from Purdue University, with a research topic focused on demand control ventilation.



Message from the President

Greetings to all our returning and new members for another ASHRAE year!

We are very excited as a chapter executive for the programs we are putting together for this upcoming year. We are lucky to begin with Distinguished Lecturer Dr Tom Lawrence of the University of Georgia. His presentation on the smart grid and smart buildings is especially important in New Brunswick as NB Power and Siemens prepare to roll out their smart grid innovations across the province. I invite all our membership to attend our meeting, and also to bring a friend or colleague who may be interested in ASHRAE. I also invite all our longtime members who may have missed out on ASHRAE events in the past few years to return for an evening of good cheer and technical discussion.

2016-17 was another successful year for our NB/PEI Chapter. We were fortunate to have Sharlene Innes serve as our first female Chapter President. Under her guidance, we were able to set another all-time chapter high in Research Promotion fundraising, collecting over \$16,000 for HVAC research in Canada. I'm very grateful to Sharlene for her work towards this, as well as our many donors who realized the value in ASHRAE Research and gave generously to the campaign.

I am also very thankful to each of our chapter volunteers who give their time to build the NB/PEI chapter. I welcome them all back in this upcoming year, and extend an invitation to anyone who may wish to give any amount of time whatsoever to serve on our many chapter committees, whether it be Student Affairs, Young Engineers in ASHRAE (YEA), Membership, Refrigeration, or the variety of others. If you are at all interested in helping out, or simply curious about what we do, please contact me directly at robert.hoadley@rogers.com. We will never turn away a willing hand!

Our chapter will be hosting our usual monthly technical programs this year. We are also planning several social events across the province. I hope to see many of you out at these events, and I am especially excited to meet and welcome new members and students to our Chapter.

Sincerely,

Rob Hoadley

2017-18 NB/PEI Chapter President



2017 CRC Montreal

The 2017 ASHRAE Region II Chapter Regional Conference (CRC) was held from August 25-27 at the ALT Hotel in Montreal. Nine members of the NB/PEI Chapter attending as part of our delegation. Rob Hoadley and Yves Savoie were the Chapter Delegate and Chapter Alternate respectively, and attended CRC business meetings and caucuses. Business meetings served to approve regional budgets and to vote on proposed regional and society motions. Caucus discussions are closed to membership other than the Delegate and Alternate, and are used to recommend and vote on potential regional leadership candidates.

Other NB/PEI members attended workshops on chapter operations, membership promotion, ASHRAE history, and several others. A technical seminar on the basics of HVAC design was offered for YEA (Young Engineers in ASHRAE) members, paired with a technical tour of the Alexandra Pier reconstruction project. The Montreal chapter hosted an excellent weekend, and provided a social night for attendees at the world-renowned Musée des Beaux-Arts de Montréal.

The 2018 Region II CRC will be held August 24-26, 2018 at Caesars Palace in Windsor, ON.



Right: Yves Savoie (Chapter Alternate, Chapter President-elect) and Rob Hoadley (Chapter Delegate, Chapter President) at CRC Business Meeting

Below: Back Row L-R: Jarrett Steele (GGAC Chair), Matthew Peachman (CTTC Chair), Rob Hoadley (President), Ben Roundell (YEA Chair, Newsletter Editor), Harold Gallant (Refrigeration Chair), Ryan Gosson (Membership Chair)

Front Row L-R: Ted White (Student Activities Chair), Yves Savoie (President-elect), Dan Boudreau (Vice-President)



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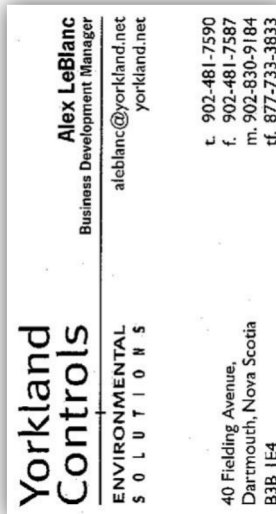
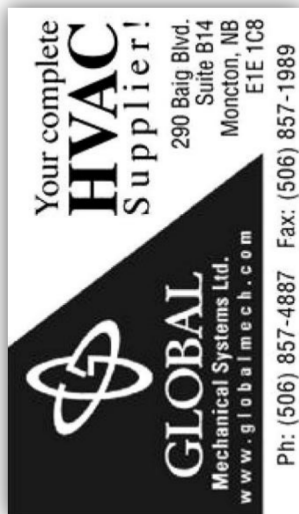
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NEW! Fundamental Requirements of Standard 62.1-2016

Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems

Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond

Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems

Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016

Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.

Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Variable Refrigerant Flow System: Design & Application

Wednesday, November 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs

Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design & Operation Training

2 Courses, 5 Days of Intense Instruction

Atlanta ● Columbus ● Denver ● Dubai

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.



2018 ASHRAE Winter Conference in

Chicago (January 20th to January 24th)

ASHRAE REGION II LEADRS PROGRAM

The LeaDRS shadowing program is providing access to a deeper understanding of, the senior level leadership roles and responsibilities of ASHRAE Regional leaders. The DRC will be charged with allowing the participant to shadow him or her and introducing the participant to the Society Conferences, their inner workings including: Society/Committee structure, Board Meetings, ExComm, TCs/TGs, and social functions.

An important aspect of my experience was I connected with a few other women from the leaDRS program early on in the conference, which enhanced the experience and allowed me to meet and interact with their DRC's as well. It was a fantastic opportunity to talk about what was interesting as the conference progressed; what we found useful to us and would carry forward. Our discussions resulted in me attending some meetings I may have shied away from before. – Sharlene Innes, NB-IPE Chapter, LeaDRS participant, Saint Louis 2016.

ARE YOU THE NEXT LEADRS ?

"The benefits of attending this conference were immediately realized on day 1 at my first ashrae meeting. Being able to network on a global level with likeminded professionals was a completely new experience for me as well as a huge opportunity for growth. As I was exposed to what I later described to my colleges as the United Nations of the Mechanical industry I discovered a whole new appreciation for how vast and well operated this grass roots volunteer organization is run and became increasingly excited for my role in its operations."

Aaron Besseling, Hamilton Chapter, LeaDRS participant, Long Beach 2017.

"I learned so much more about the Society and how it operates and, as I had hoped, I gained a renewed sense of desire to serve more and to give back to this great organization that has helped me so much in my career already. So thank you for giving me the opportunity to step out of my comfort zone, because this is where a person can truly grow and see what else is out there."

Jeff Watson, London Chapter, LeaDRS participant, Chicago 2015.

The participant's flight expenses will be reimbursed per ASHRAE travel policies. The lodging expenses and registration will be covered by the Region (up to a limit of **1500\$ CAD**) as an investment in the development of their future leadership

Complete the form online:

[Click here](#)

Application deadline :
September 28th, 2017

