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# ASHRAE LONDON CANADA CHAPTER #116

**TOPIC**

## WASTE WATER ENERGY EXCHANGE

**SPEAKER**

**Rick Lawlor, P.Eng, LEED® AP**  
**Eastern Regional Sales Manager**  
**SHARC Energy Systems Inc**

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## **MONDAY SEPT 24/2018**

5:15PM – SOCIAL

6:15PM – DINNER

7:15PM – PRESENTATION

**MEETING LOCATION**

**Delta Armories**  
**325 Dundas St, London**

**\*\*\* CASH ONLY BAR \*\*\***

parking available on street (will be free after 6pm)

PLEASE USE PALPAL – ADVANCED PAYMENT BEFORE MEETING

<http://londoncanada.ashraechapters.org/PayPalPage.html>

\$60 for Preregistered

\$75 at the door

\$10 for Students

**Please register on the web site if you will be attending.**



## **Chapter President's Message**

Dear ASHRAE London Membership

Welcome to the 2018/2019 year and thank you kindly for your continued support of our chapter efforts as we continue to grow with this great city of ours. In line with the changing face of London, with all the new construction underway, we have a new and energetic board looking to support you and help propel ASHRAE London to new and greater heights. We hope to further extend our program into new frontiers of the HVAC world and continue activities that make our industry interesting and FUN! So stay tuned to our newsletters, give us feedback and please participate as much as possible to help promote London Ontario's advancement on the HVAC&R map!

Respectfully,

**John Freeman**

**ASHRAE London Canada Chapter**

**Chapter President 2018/2019**

## **ASHRAE Membership**

At ASHRAE, we are starting a new year 2018-2019 with lot of energy and excitement. Members are pillars of support for success of ASHRAE. ASHRAE offers four grades of membership namely: Student, Affiliate, Associate, and Member depending on the experience and background of a candidate.

Being a member, you can enjoy wide variety of benefits like access to journals, technical resources, books, participation in technical committees, networking at events and continuing education.

Coming **September 24th, 2018** is a membership night. This meeting is organized to appreciate the commitment of existing members and to create an opportunity to welcome new members. Please refer a friend, colleague or other industry professionals to ASHRAE London chapter.

We thank you all for your continuous support.

We welcome two new members who joined London chapter this year 2018-2019:

Mr Alexander G Somers

Mr Adrian P Bruijns

**Rajan Deenath**

**ASHRAE London Canada Chapter**

**Chapter Membership Promotion Chair 2018/2019**

## **Student Sponsors**

Consider Sponsoring a Student Meal - just \$50

USE PAYPAL on the Chapter Web Site



## **TOPIC**

# **WASTE WATER ENERGY EXCHANGE**

Building and municipal sanitary wastewater has traditionally been ignored as a heat transfer medium, despite its attractive source temperature, typically between 72 F and 65 F. New technologies are available that facilitate the opportunity to exploit this medium as a heat-source and heat-sink. When coupled with this technology, conventional commercial mechanical HVAC equipment & systems provide an opportunity to potentially (1) reduce or eliminate carbon-based fuel consumption, (2) deliver competitive, or better, green HVAC system installed costs, (3) facilitate viable and scalable energy recovery opportunities, (4) lower heating and cooling operational costs. A wide array of building and mechanical system applications are in a position to take advantage of this development, to name a few;

- Dormitories, Apartments, Condominiums
- College & University Campuses
- District Energy Systems
- Hospitals
- Long-term Care Facilities
- Retirement Homes
- Sports and Recreation Centers
- Industrial Facilities
- GEOTHERMAL Systems
- Public & Institutional Buildings
- Commercial Buildings

## **SPEAKER**

**Rick Lawlor, P.Eng, LEED® AP**

**Eastern Regional Sales Manager**

**SHARC Energy Systems Inc**

Rick is a Mechanical Engineering graduate of University of New Brunswick in Fredericton. He is a 35 year HVAC Industry veteran and resides in Hamilton Ontario. He started his career with the Trane Company in 1980, with field Technical Sales Engineering assignments in Saint John NB and Ottawa Ontario, before completing Trane's Graduate program in LaCrosse Wisconsin. Engineering Field-sales assignments followed, beginning in Toronto, and later in Hamilton. Rick held various Sales Leadership and Sales Management roles within the Trane Ontario organization, overseeing graduate engineers, sales teams, and sales administration personnel. His area of expertise includes optimization of HVAC system components, system controls, and system energy usage. Rick acquired LEED AP certification in 2009, is a registered P. Eng in the province of Ontario, and is a supporting member of ASHRAE.

In 2010 Rick became an independent Industry Consultant, providing engineering, management, and business development services to the HVAC Industry. In January 2014 he joined with International Wastewater Systems (IWS), now SHARC ENERGY SYSTEMS INC., of Vancouver BC to grow technology and system presence in Eastern North America in the arena of emerging sustainable technologies.

## Chapter Upcoming Meetings

Monday Oct 29/2018

Monday Nov 26/2018

Dec 2018 – Social

Monday Jan 28/2019

Monday Feb 25/2019

Monday Mar 25/2019

April 2019 – webcast

Monday June 3/2019 – Annual Golf Tournament

\*\*\* be sure to check web site for latest information \*\*\*

<http://LondonCanada.AshraeChapters.org>

## ASHRAE HVAC COURSES

<https://www.ashrae.org/professional-development>

Learning Portal, ASHRAE Certification, Job Board, Educator Resources

### LOCAL INSTRUCTOR-LED TRAINING

#### HVAC Design: Level I - ESSENTIALS

MAY 20-22, 2019 – TORONTO, ONT

Essentials provides intensive, practical training ideal for recent technical or engineering school graduates, engineers new to the HVAC field, those who need a refresher in new technologies, and facility managers, sales representatives and others who want to gain a better understanding of HVAC fundamentals, equipment and systems.

#### HVAC Design: Level II- APPLICATIONS

MAY 23-24, 2019 – TORONTO, ONT

Applications provides instruction in HVAC system design for experienced HVAC engineers and those who have completed the HVAC Design: Level I – Essentials. The training covers the technical aspects of design and allows participants an opportunity to expand their exposure to HVAC systems applications to increase energy savings and improve indoor environmental quality.

Also see: [www.ashrae.org/onlinecourses](http://www.ashrae.org/onlinecourses)

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## **Chapter Meeting Table Top Displays**

Are you a sales rep? Does your company have information that you wish to display and present at a chapter meeting? The chapter can arrange for a table top display at a chapter meeting. Just \$200 per meeting and includes one dinner.

Contact Matt Moore

226-808-4678

[matthewjmoore36@gmail.com](mailto:matthewjmoore36@gmail.com)

## **Professional Development**

Need hours for your professional development requirements?

Professional Engineers Ontario requires members to have yearly professional development training recorded through the Practice Evaluation and Knowledge (PEAK) program. Other groups also require continuing education.

Attend a chapter meeting to claim 1 hour towards your training.

## **ASHRAE headquarters is moving!**

Why is ASHRAE headquarters moving?

At the 2018 ASHRAE Annual Conference in Houston, 2017-18 President Bjarne Olesen announced that ASHRAE has sold its current headquarters building at 1791 Tullie Circle, NE and will move to another location in Atlanta, GA.

Children's Healthcare of Atlanta (CHOA), one of the largest healthcare providers for children in the country, is building a state-of-the-art medical campus and the current ASHRAE headquarters building will become part of its development. CHOA purchased ASHRAE's headquarters building with an agreement to allow ASHRAE staff to work from the site through October 2020.

In an effort to keep our members informed, we invite you to visit [ashrae.org/newhq](http://ashrae.org/newhq) for details regarding the move, including regular updates from the Building Ad Hoc Committee as new information becomes available. Details regarding what initiated the relocation and future plans are already online.

We also welcome your questions and feedback to [newhq@ashrae.org](mailto:newhq@ashrae.org).



[www.somersep.com](http://www.somersep.com)

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# 2019 ASHRAE Winter Conference Jan 12-16, 2019 and AHR EXPO Jan 14-19, 2019

Atlanta, GA

See: <https://www.ashrae.org/conferences/winter-conference>  
and <https://ahrexpo.com/>



2019 ASHRAE WINTER CONFERENCE  
JANUARY 12-16 // AHR EXPO JANUARY 14-16

### Look for ASHRAE 365 in the App Store and Google Play May 1

True to its name, ASHRAE 365 can be used year round for one click access to information about events, standards and guidelines, continuing education, industry jobs, and much more. ASHRAE 365 will also provide the tools you've come to appreciate in a conference app, like the ability to create your itinerary, provide feedback about speakers, and connect with attendees. Look for ASHRAE 365 in the App Store and Google Play May 1, just in time for the Annual Conference in Houston.

### JOB POSTINGS

See web site for more information: <http://londoncanada.ashraechapters.org>



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### **ASHRAE Launches Online Standards Review Database**

ASHRAE is excited to announce the launch of an updated and improved online standards review database that allows members and non-members access to public review drafts for standards, guidelines, and addenda and to submit comments.

The new system offers a single sign in feature, keeping the user logged in even if already logged into ashrae.org, and a new dashboard, to easily access and highlight those items that require attention. The dashboard provides quick links to individual and committee comments, committee responses to comments, continuous maintenance proposals and outstanding ballots.

Additional features of the improved database include:

- complete letter balloting within the system with downloadable reports that demonstrate procedural compliance with ASHRAE ANSI approved standards development procedures,
- the ability to hold committee votes on motions to approve public review publication interpretations, minutes and other committee business,
- voting rules that are compliant with ASHRAE procedures, allowing for reduction of errors and minimizing the need for members to maintain excessive documentation,
- automated notifications, warnings and reminders directly from the system, when deadlines are approaching,
- continuous maintenance proposals entirely online, and
- the ability to view proposals online and download proposals to work offline.

To learn more or access the improved online standards review database, please visit [ashrae.org/publicreviews](http://ashrae.org/publicreviews)

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### **ASHRAE Scholarship Program - 35 Available for 2019!**

Applications due November 15, 2018

ASHRAE seeks to motivate students and prospective students worldwide to pursue an engineering or technology career in the HVAC&R field. The Society's Scholarship Program also serves the public interest by aiding in the education of men and women to become qualified to practice as engineers in HVAC&R. Learn more at

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/scholarship-program>

### **Undergraduate Program Equipment Grants**

Applications due December 15, 2018

The ASHRAE Undergraduate Program Equipment Grants provide funding to engineering, technical and architectural schools worldwide with the goal of increasing student knowledge, learning and awareness of the HVAC&R industry through the design and construction of equipment. Grants are to be used to fund equipment and supplies for senior projects and 2-year technical school projects that focus on ASHRAE-related topics. Grants may cover projects lasting from one academic term up to one year. Learn more at:

<https://www.ashrae.org/communities/student-zone/scholarships-and-grants/about-undergraduate-program-equipment-grants>