



Shaping Tomorrow's
Built Environment Today

LONDON CANADA CHAPTER #116

<http://LondonCanada.AshraeChapters.org>

Thu April 20/2017

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Topic

ASHRAE SOCIETY WEBCAST

Take Control:

Using Analytics to Drive Building Performance

Presenters

Mark Gallagher

Armstrong Fluid Technology, Toronto, Ontario

Srinivas Katipamula, Ph.D.

Pacific Northwest Laboratory, Richland, WA

Jim Meacham, P.E.

Altura, Corona Del Mar, CA

Meeting - THUR APRIL 20/2017

12:00noon to 1:00pm - Lunch

1:00-4:00 - Webcast

4:30 - Soccer

PLEASE USE

PAYPAL

ADVANCED PAYMENT BEFORE MEETING

see chapter web site to register and pay
<http://LondonCanada.AshraeChapters.org>

Meeting Location

BMO CENTRE

295 Rectory St., London

Meeting Topic

Webcast

Take Control: Using Analytics to Drive Building Performance

The presenters will discuss key elements of controls and analytics for building operations," said Nathan Hart, chair of the CTTC Webcast Ad Hoc Committee. "The focus will be on recognizing the value of analytics in building operations to achieve reduced cost and increased performance."

This webcast will feature industry experts who will define the importance of, and why we should strive for, better building operations through improved controls and analytics. Viewers will be able to describe key elements of controls and analytics for building operations, and identify steps required to deploy analytics in building projects, including commissioning. This program will quantify how applying best practice controls improve building performance, and will recognize the value of analytics in building operations to achieve a reduced cost and increased performance.

Attend this FREE webcast program and you may be awarded three Professional Development Hours (PDHs).

PRESENTERS

Mark Gallagher

Mark has spent the last 25 years in various roles spanning building systems and energy markets. In 2013 he joined Armstrong Fluid Technology to help introduce a service business to support the global base of Armstrong's control system customers. The first focus has been servicing customers with sophisticated chiller plant automation. As part of this, Mark's team has been immersed in documenting and analyzing the nuances of interaction and behavioural cause and effect among the components in chilled water plants. More recently he and his team have expanded their review to develop and refine embedded diagnostic and predictive failure algorithms in pumps and related equipment.

Srinivas Katipamula, Ph.D., FASHRAE, FASME

Srinivas Katipamula is a Staff Scientist at Pacific Northwest National Laboratory (PNNL). Dr. Katipamula received his Ph.D. and M.S. in Mechanical Engineering from Texas A&M University. For over 25 years, Katipamula's career has focused on improving the operating efficiency of commercial buildings. Prior to joining PNNL, he led the analytics group at the Enron Energy Services (EES). Previously, he also worked at Energy Systems Laboratory (ESL), at Texas A&M University, where he developed a number of measurement and verification techniques to measure energy savings from retrofits. He has extensive technical experience in the evaluation of advanced design concepts for heating, ventilation and air-conditioning systems (HVAC), development of automated fault detection and diagnostic techniques, self-correcting controls, building and energy system simulations, and analysis and evaluation of new energy efficient technologies, development and use of analytical modeling techniques.

Jim Meacham, P.E.

Jim is a founding principal of Altura, where he is responsible for managing a team which provides services for some of the world's most energy efficient and iconic real estate projects. As a California registered mechanical engineer, Jim has directly managed scores of commissioning, retro-commissioning, energy auditing, on-site energy generation, renewable energy, energy management training, and modeling assignments. Leveraging an extensive background in controls systems, on-site energy production, field project implementation, and experience as an educator, he is highly skilled at working with project teams to implement leading edge, data-driven solutions that deliver meaningful and lasting results.



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Upcoming Meetings

(check chapter web site for latest information)

Mon June 5/2017 - Golf Tournament Greenhill Golf Club **** Registration now open ****
<https://goo.gl/forms/GOifok0Hm7mZA3K22>

Other Meetings

June 24 to 28, 2017 = ASHRAE Annual Conference - Long Beach, CA
Oct 19 to 22, 2017 = ASPE Technical Symposium - Montreal Quebec
American Society of Plumbing Engineers (aspe.org)
Jan 20 to 24, 2018 = ASHRAE Winter Conference - Chicago, IL
Jan 22 to 24, 2018 = AHR Expo - Chicago, IL
June 23 to 27, 2018 = ASHRAE Annual Conference - Houston, TX
Jan 12 to 16, 2019 = ASHRAE Winter Conference - Atlanta, GA
Jan 14 to 16, 2019 = AHR Expo - Atlanta, GA
June 22 to 26, 2019 = ASHRAE Annual Conference - Kansas City, MO
Feb 3 to 5, 2020 = AHR Expo - Orlando, FL
Jan 25 to 27, 2021 = Chicago
Jan 31 to Feb 1, 2022 = Las Vegas



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CONNECT-A-COLLEAGUE

Informing colleagues about ASHRAE takes less than 1 minute now with Connect-a-Colleague. During #MarchIntoMembership contest you could win a \$500 American Express gift card when your colleagues join ASHRAE through your customized email referral. Connect-a-Colleague simply creates an automated email on your behalf and the more people you invite during the month of March, the more chances you have to win.

ASHRAE member referrals continue to be the top reason new members join. As an ASHRAE member, your referral is a very powerful tool that can benefit your colleagues, your Society, and the HVAC&R industry. Please take a minute to Connect-a-Colleague today.

Get started now: www.ashrae.org/connect

ASHRAE JOB BOARD

The updated ASHRAE job board is proving to be the new hot spot for connecting candidates and hiring managers. Over 1300 jobs are currently posted, and users can post resumes anonymously. Learn more

www.jobs.ashrae.org.

Sign up for job alerts today on ASHRAE Job Board and you will be notified as soon as the jobs you want are posted!

Research

The following have contributed to ASHRAE Research so far this fiscal year. Honor Roll level contributors will be listed in the ASHRAE Journal. All honour roll donors will be listed in the Newsletter and on the website for the duration of the fiscal year. Donate early!

Individual Donors - \$100-\$249 (Honor Roll Level)

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Jordan Foster - Resource Promotion Chair FY2016/2017



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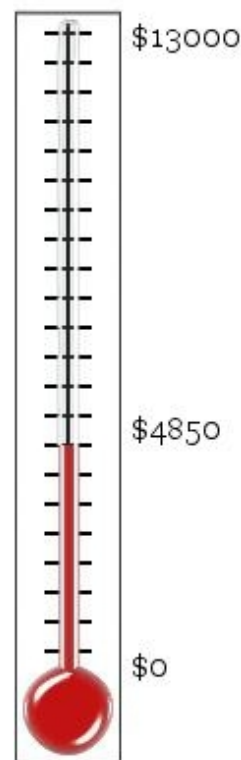
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LeaDRS Program

Hello everyone !

We are searching for our next LeaDRS participant to shadow our DRC at the next ASHRAE Summer meeting in Long Beach !

Please advertise this opportunity to your YEA members and NON- YEA members !


LeaDRS program is open to every ASHRAE Member !

Complete the survey here: <https://fr.surveymonkey.com/r/FVNSNM7>

Please share this great opportunity ! You have until May 5th !

Audrey Dupuis
Region 2
Young Engineers in ASHRAE (YEA)

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ASHRAE HONOURS AND AWARDS

Upcoming Honors and Awards Deadline

Do you know someone who is deserving of a Society level award? May 1 is the deadline for nominations for the following awards:

Distinguished Service Award
Exceptional Service Award
Distinguished Fifty-Year Member Award
Louise and Bill Holladay Distinguished Fellow Award
Andrew T. Boggs Service Award

Visit the ASHRAE Honors and Awards page for more information, including detailed information on each award and how to submit your nomination.

Have questions? Please contact Honors and Awards Staff Liaison Candace Pettigrew – cpettigrew@ashrae.org

ASHRAE TORONTO <http://www.torontoashrae.com/>

Toronto HVAC Design Training May 2017

<https://www.ashrae.org/education--certification/hvac-design-and-operation-training/toronto-hvac-design-training-may-2017>

May 8 to 10, 2017 HVAC Design: Level I - Essentials

Bonus – Free Copy of ASHRAE Green Buildings Standard and User's Manual

May 11 to 12, 2017 HVAC Design: Level II - Applications

Bonus – Free Copy of ASHRAE GreenGuide: The Design, Construction, and Operation of Sustainable Buildings, 4th ed.

See web site for more information and registration (Early Bird Discount available up to April 8/2017)

ASHRAExCHANGE

Want to stay updated with ASHRAE instantly? Log onto to ASHRAExCHANGE to ask questions, discuss industry news and connect with other engineers!

Improving Existing Building Operation

When: May 18 - 19, 2017 | Chicago, IL Cost: \$599 (ASHRAE Member: \$499)

ASHRAE's Improving Existing Building Operation training focuses on identifying ways to improve existing HVAC system efficiencies and reducing utility expenses while maximizing performance of the building systems. The training details proper system operation and maintenance, as well as introducing methods for evaluating potential system improvements.

In two days, gain knowledge and understanding of the proper operation and maintenance of existing HVAC systems to increase building performance. The training equips attendees with the techniques to measure existing building performance to make their facilities operate more efficiently and economically.

BONUS! Get a FREE copy of ASHRAE STANDARD 100-2015! A \$100 Value!

<https://www.ashrae.org/education--certification/hvac-design-and-operation-training/improving-existing-building-operation>

ASHRAE's 2017 Annual Conference

The future of net-zero energy buildings is already here. Stay in the forefront by attending ASHRAE's 2017 Annual Conference June 24-28, in Long Beach, CA. Early bird registration is now open.

What To Expect

An exciting Welcome Party held at the Aquarium of the Pacific, complete with otters!

An inspiring, world-renowned keynote speaker, Derreck Kayongo, Founder of the Global Soap Project.

Nine tracks that address design strategies for net zero energy buildings, various forms of commissioning, extensive fundamentals and applications programs, and others.

Plenary - Saturday, June 24, 3:15 pm

Keynote Speaker, Derreck Kayongo

CEO of the Center for Civil and Human Rights & Founder of the Global Soap Project

To register and cmore conference information see: www.ashrae.org/LongBeach

CONFERENCE - WINDSOR
ENERGY AND NATURAL RESOURCES 2017

<https://www.environmentalenergyinstitute.com/eanr2017>

June 22-23/2017 UWINDSOR

The sustainable production and use of energy is critically linked to our invaluable natural resources. Both renewable and fossil energy sources are reliant on the availability of elements essential to our living environment. Energy and Natural Resources (EANR) 2017 will set a vital focus on the interconnectivity between energy and the environment. The outcomes driven event is bent on connecting ALL relevant stakeholders - such that the most pressing issues are moved forward with quantifiable and sustainable momentum.

TOPIC FOCUS

EANR2017 will explore the following topics. It is important to emphasize that each of technology, policy, and financial aspects of these topics will be examined.

Renewable and Fossil Energy Generation

Innovative Energy Finance and Market Dynamics

Carbon Sequestration

Water's Role in Energy Extraction and Generation

Energy's Role in Water Treatment and Transportation

Energy Storage

Carbon Mitigation Strategies

Mini/Microgrids

Geo-Energy Interaction

Energy Systems Design and Integration

Carbon Capture

Greenhouse Energy Systems

Northern Energy Systems

Island/Isolated Energy Systems



2017 ASHRAE Summer Conference in
Long Beach (June 24th to June 28th)

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 ?

"Being able to shadow our Region DRC, has been a wonderful experience. It really was an eye-opening experience for me. I was impress to see how ASHRAE really works behind the scene."

Audrey Dupuis, Montréal Chapter, LeaDRS participant, Seattle 2014.

"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 travel expense and registration will be covered by the Region as an investment in the development of their future leadership !!!

Complete the form
online:

[Click here](#)

Application
deadline :

May 5th, 2017