

NEWSLETTER

MARCH MEETING – STUDENT NIGHT

Graduate Student Speakers: Gurpreet Khanuja & Anup Jwala Poudel



**TURBULENCE
& ENERGY LAB**



Date: Tuesday, March 26th, 2024

Location: Giovanni Caboto Club, 2175 Parent Ave, Windsor, ON

Topic: 'Implementation of energy-efficient parameters to reduce energy demand of greenhouses in cold regions' & 'Study of small modular reactors (SMRs) for greenhouse heating and electricity demand'

Time: Doors Open at 5:00 PM, Dinner at 6:00 PM

Registration Deadline: Monday, March 25th, 2024

Cost: \$50 for ASHRAE Members, \$60 for Non-Members, \$10 for Students

Registration Link: <https://ashraewindsor.simplesignup.ca/en/13782>

Or contact Jamie Smith at: (519) 890-8684, E-mail: j.cameron.smith89@gmail.com

Join us for pizza at the Caboto Club for the ASHRAE Windsor Chapter's Student Night. Graduate students from the esteemed Turbulence & Energy Lab at the University of Windsor will present their cutting-edge research.

FEBRUARY RECAP- WINDSOR ASHRAE TOUR & PRESENTATION



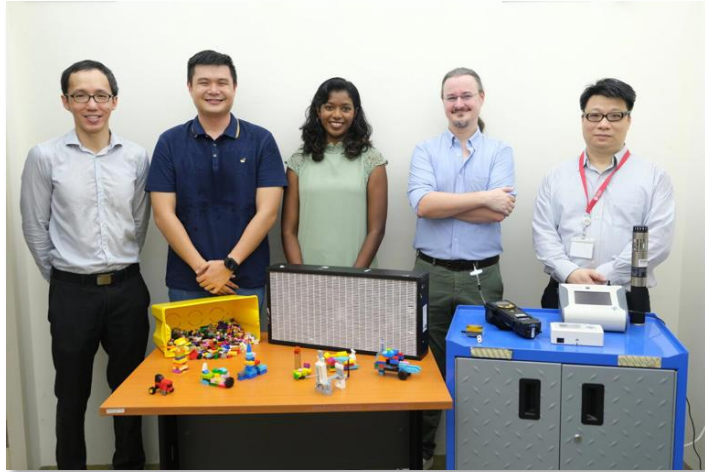
We held our February dinner meeting on Tuesday, February 20th at the University of Windsor. Attendees had the opportunity to tour the new hybrid chiller installation at the University's Energy Conversion Center (ECC). Representatives from Johnson Controls were on-hand to discuss details of the installation and answer questions.



Following the tour, a dinner was held at Alumni Hall on-campus. Ibrahim Semhat, P.Eng., LEED AP from Johnson Controls presented on steam turbine chillers and decarbonization of heating initiatives. In attendance for the evening were Region II Vice Chair for Membership Promotion (Reaz Usmanali) and Chapter Technology Transfer (Abhi Khurana).

The Chapter wishes to thank Johnson Controls and the University of Windsor for their efforts in holding this event.

Air Pollutants Commonly Found Indoors Could Impact Creativity



Air quality in the office may affect our creativity at work, scientists at Nanyang Technological University, Singapore (NTU Singapore) have discovered. Working with the global air filter manufacturer Camfil on a shared research project, the NTU Singapore scientists found in a study that high levels of VOCs—gases released from products such as detergents, pesticides, perfumes,

aerosol sprays and paint—affected the study participants' creativity when they were asked to build 3D models with Lego bricks. The findings detailed in the study, published in *Scientific Reports*, shed light on the importance of indoor air quality on our creative cognition, said the research team led by Assistant Professor Ng Bing Feng and Associate Professor Wan Man Pun, Cluster Directors for Smart & Sustainable Building Technologies at the Energy Research Institute.

This study, conducted on the NTU Smart Campus, is part of a partnership between the University and Camfil to investigate the impact of indoor air quality on the cognitive performance of adults, test various air filter technologies in tropical weather conditions, and deliver innovative clean air solutions combined with optimized energy efficiency. The findings detailed in the study, published in *Scientific Reports*, shed light on the importance of indoor air quality on our creative cognition, said the research team led by Assistant Professor Ng Bing Feng and Associate Professor Wan Man Pun, Cluster Directors for Smart & Sustainable Building Technologies at the Energy Research Institute.

Asst Prof Ng said, "While most people would correctly associate indoor air quality with effects on the lungs, especially since we just emerged from a pandemic, our study shows that it could also have an impact on the mind and creative cognition, or the ability to use knowledge in an unconventional way. Our findings suggest that relatively low TVOC levels, even if well within the accepted threshold, could impact an individual's creative potential."

MEETINGS AND EVENTS FROM 2023-2024:

Sept. 11, 2023	Golf Tournament	Membership Promotion
Oct. 17, 2023	DL: Hoy Bohanon	CTTC Night
Nov. 21, 2023	DL: Darryl Boyce	GAC Night
Dec. 19, 2023	Christmas Social	Research Promotion
Jan. 23, 2024	DL: Jamie Smith	Research Promotion
Feb. 20, 2024	Tour: U of W Chiller	Refrigeration Night
Mar. 19, 2024	Student Presentations	Student Night
Apr. 16, 2024	Past President's Night	Historian
May 21, 2024	Gordie Howe Bridge Tour	

CHAPTER OFFICERS

<i>President:</i>	Jamie Smith	(519) 890-8684	James Smith, P.Eng.	(519) 737-5725
<i>President-Elect:</i>	Syed Hassan	(519) 562-1881	Dan Castellan, P.Eng.	(519) 253-3000 x 2164
<i>Treasurer:</i>	Dave Dufour	(519) 816-8974	Paul Greff	(519) 969-8025 x332
<i>Secretary:</i>	Ryan Bisnett			

BOARD OF GOVERNORS

CHAPTER COMMITTEES

<i>Research Promotion</i>	Amanda Forest, P.Eng. & James Smith, P.Eng.	(519) 984-5696 (519) 791-6291	<i>Government Affairs Committee</i>	Paul Greff	(519) 969-8025 x332
<i>Membership Promotion</i>	Nathan Cook, P.Eng. & Syed Hassan, P.Eng.	(519) 948-5000 x3223 (519)562-1881	<i>Student Activities Chair</i>	Jamie Smith	(519) 890-8684
<i>Chapter Technology Transfer Committee</i>	Dan Castellan, P. Eng.	(519) 253-3000 x 2164	<i>Student Branch Advisor- University of Windsor</i>	Dr. David Ting, P. Eng.	(519) 253-2871
<i>Historian</i>	Andy Hrutka	(519) 978-3903	<i>Newsletter Editor</i>	Kenten Puryk	(519) 737-5725 x227
<i>Refrigeration Chair</i>	Jon Palmer	(519) 256-7922	<i>Reception</i>	Lisa Bhatt	
<i>YEA Chair (Young Engineers in ASHRAE)</i>	Amanda Forest, P.Eng.	(519) 984-5696			

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.

TABLETOP DISPLAY

What better way to present your product, or share great ideas than to have a tabletop display at our monthly chapter meetings.

The fee to provide a Tabletop Display is \$250.00 (CAD). In addition to the presentation, the fee also includes the cost of the presenter's meal (1 meal) at the event. If interested in providing a Tabletop Display at a future meeting to promote product lines or technologies, please contact Jamie Smith or Syed Hassan to schedule.

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, 2024. If interested in having your business card information included in the monthly newsletter, please contact Jamie Smith.

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 forth 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 Jamie Smith.

windsorashrae141@gmail.com
Jamie Smith – (519) 890-8684

ASHRAE – Serving our Members, and more

ASHRAE Newsletters

There's a lot of newsletters available. Some are automatic when you become an ASHRAE Member, such as the following:

[ASHRAE Journal Newsletter](#)

[ASHRAE Insights](#)



You can also connect to other publications from the ASHRAE Website.

[HVAC&R Industry News](#)

[Government Affairs Updates](#)

[High Performing Buildings Newsletters \(HPB\)](#)

[Standards Action Newsletters](#)

Click the following link to review these newsletters, and others!

<https://www.ashrae.org/about/marketing-central/email-newsletters>

Training and Certifications

While ASHRAE has some great videos (accessed [here](#)), they also have Instructor Led Training and Certifications:

Training: <https://www.ashrae.org/professional-development/all-instructor-led-training>

[Health Impacts of Indoor Air Extraction, Ventilation and Filtration](#)

[Evaluating Your HVAC System's Readiness to Mitigate the Spread of SARS-CoV2](#)

(note – check the website for specific times)

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

[Building Design Certifications](#)

[Building Performance Certifications](#)

[Building Operations Certifications](#)