



**HUMBER**

Faculty of Applied Sciences & Technology

# FAST NEWS

MARCH 2021

## UPCOMING EVENTS

### MARCH NATIONAL ENGINEERING MONTH

30 days of FREE online events  
nemontario.ca

### MARCH 8 at 6:00 p.m. INTERNATIONAL WOMEN'S DAY

Panel of Humber's FAST faculty and alumni share insights & experiences in celebration of Women in Engineering.

### MARCH 10 at 3:00 p.m. WEARABLES & HEALTHCARE: A WOMAN'S PERSPECTIVE

Celebrate work of women in wearable technology focused on health & life stages!

### MARCH 16 at 4:00 p.m. AWARDS CELEBRATION

In collaboration with the Advancement and Alumni office.

## WE WANT TO HEAR FROM YOU!

FAST NEWS recognizes and celebrates the achievements of our faculty and students. To share your successes with us, please submit stories and images to the Office of the Senior Dean, Julie Pasquin: [julie.pasquin@humber.ca](mailto:julie.pasquin@humber.ca)

## WE ARE FUTURE FOCUSED

[appliedtechnology.humber.ca](http://appliedtechnology.humber.ca)

## DEAN'S MESSAGE

Dear Colleagues,  
Welcome to the inaugural monthly FAST NEWS where we will shine a spotlight on the remarkable accomplishments of our students, staff, faculty, alumni and strategic partners!

These past few months, we have seen the Humber College community embrace Black History Month, announce strategic partnerships and drive awareness of designated days including #MooseHideCampaignDay.



Dr. Farzad Rayegani, Ph.D., P.Eng, FEC.  
Senior Dean

This month, Humber's FAST looks forward to honouring International Women's Day and continuing to advance engineering education and emerging technologies as a proud partner of National Engineering Month — Canada's largest celebration of engineering excellence. We highlight on page two how to register for more than 70 FREE online events.

The month-long initiative will spark bold discussions with diverse perspectives from engineering professionals, students, educators and companies. This week, National Engineering Month kicks-off with a focus on working with interdisciplinary professions.

Much like an orchestra has dozens of musicians and different instruments working in concert together, it takes a multitude of people collaborating and working together to see an engineering project through from imagination to reality.

All engineering projects come to fruition because engineers collaborate with others. From tradespersons, technologists, technicians and architects, to designers, project managers, landscape architects and planners, working with interdisciplinary professions enables us to be part of broader teams collaborating to shape our communities and our future.

Humber College is an intersection of interdisciplinary professions with faculties working together to advance and strengthen our local and global communities. We take great pride collaborating with Humber's COI network including the Office of Applied Research and Innovation to help faculty and student research teams collaborate with industry and community partners to help solve real-world problems.

Please read on to learn how we are pushing boundaries together, to unlock the limitless opportunities that will transform with a positive impact on our daily lives.

Stay safe & healthy,  
Dr. Farzad Rayegani



# FAST NEWS

## NATIONAL ENGINEERING MONTH

March is National Engineering Month and Humber's FAST is a proud partner of these exciting 30 days of bold topics with industry experts. We are hosting two FREE online events to spark discussion from diverse perspectives. Join us!

[Read more >](#)


### Women in Engineering March 8 at 6:00 p.m.

A panel of Humber College faculty and alumni will share their insights, experiences and career journeys in celebration of Women in Engineering.

### Sustainability Challenges in the Built Environment March 22 at 6:30 p.m.

Associate Dean, Dr. Martine Spinks, B.A., MSc. Ph.D. and Dr. Ali Hoss, PhD, P. Eng., CEM, CMVP, will explore new challenges for engineers engaging with sustainability in the built environment.



Join us for a panel on **Women in Engineering**



On International Women's Day, speakers will share their experiences and career journeys in celebration of women in engineering.

**March 8**  
6pm

**NEMONTARIO.CA**  
#NEM2021

**LEARN. GROW. THRIVE. TOGETHER.**

March 1-31



**NEMONTARIO.CA**  
#NEM2021

PROUD PARTNER  **HUMBER**  
Faculty of Applied Sciences & Technology



Join us for an afternoon celebrating the work of women in wearable technology focused on health and life stages. Network with women using and integrating tech for the value it can provide. Collaborate in workshops where we will co-design the future wearables, apps and services that address our priorities and needs.

**DATE: March 10, 2020**  
**TIME: 3 PM to 5 PM**

**WEARABLES & HEALTHCARE:  
A WOMAN'S PERSPECTIVE**

### International Women's Day Wearables & Healthcare: A Woman's Perspective March 10 at 3:00 p.m.

Join us for an afternoon celebrating the work of women in wearable technology focused on health and life stages! Network with women using and integrating tech for the value it can provide.

Collaborate in workshops to co-design future wearables, apps and services that address priorities and needs.

[Register here >](#)

**WE ARE  
FUTURE FOCUSED**

[appliedtechnology.humber.ca](http://appliedtechnology.humber.ca)



[@HumberAppTech](#)



[@HumberAppTech](#)



[@HumberAppliedTechnology](#)



# FAST NEWS



## INTERIOR DESIGN

Third year students from our Bachelor of Interior Design program partnered with the Queen City Yacht Club in 2019 for a Design Charette. Professors Zaiba Mian and Lesley Taylor challenged students to develop designs on how the clubhouse could be gradually improved and allow the building to take advantage of its stunning waterfront views. Their inspiring plans & renderings are published in the February 2021 Clipper Magazine! [Read more >](#)

## INDUSTRIAL DESIGN

In February 1971, Ken Cummings joined the Furniture Design Diploma program - now part of the Faculty of Applied Sciences & Technology!

Over the course of his 50 year career at Humber College, Professor Cummings has made a significant difference building the Humber Industrial Design programs to meet the demands of the burgeoning business design community. Please join us as we congratulate him on this golden milestone!



## ARBORIST APPRENTICESHIP

Serena Soucy, an Arborist Apprenticeship student at Humber, is the recipient of the inaugural Adam Sura Arborist Apprentice Scholarship in memory of Humber alumnus Adam Sura.

Adam lived by working and playing hard, giving hope and support to family and friends and helping everyone to be the best they can be. He believed in living life to its fullest and supporting others to do the same. [Read more >](#)

**WE ARE  
FUTURE FOCUSED**

[appliedtechnology.humber.ca](http://appliedtechnology.humber.ca)



[@HumberAppTech](https://twitter.com/HumberAppTech)



[@HumberAppTech](https://www.instagram.com/HumberAppTech)



[@HumberAppliedTechnology](https://www.facebook.com/HumberAppliedTechnology)



# FAST NEWS

## CONGRATULATIONS!

Recipients of Natural Sciences and Engineering Research Council of Canada (NSERC) Engage Grant Funding

**Nilufar Poshtiban**

Development of a Solid-State Catheter with industry partner Mui Scientific

**Daryoush Mortazavi**

Automated Gas Fueling + Shopping with industry partner Circuit Energy Inc.

**Lars Kristjansen**

Automated Cell Inspection with industry partner Nahanni Steel Products Inc.

**Hamid Dehkordi**

Combining Ring Vac and Air Amplifier and optimizing hole sizes and Coanda effects with industry partner Nex Flow Air Products Inc.

We are pleased to announce that four faculties recently received Natural Sciences and Engineering Research Council of Canada (NSERC) Engage Grant Funding for their research proposals! These grants foster the development of new research partnerships by supporting short-term projects aimed at addressing a company-specific problem.

## FACULTY WHO LEAD TO INSPIRE

Dr. Setareh Janbakhsh loves to move air. With unbridled enthusiasm for sustainable design, renewable energy and "very hard work," she has built, modified, evaluated and improved air distribution systems and ventilation performance in structures around the globe. She has identified and designed new opportunities for energy efficiency to achieve sustainable building design while providing acceptable thermal comfort in workplaces and residences.

This passion for designing and building sustainable energy models has led to an extraordinary journey. More importantly, it sparked an exceptional career that has guided Dr. Janbakhsh to Canada and Humber College where, as she has put it, "I get to teach in this beautiful country and mentor the next generation of engineers."



From growing up in Iran to studying & working in Sweden before immigrating to Canada, Dr. Janbakhsh has had a fulfilling career in energy & sustainability management and built environment. Today, she is a professor in the Faculty of Applied Sciences and Technology at Humber College where she develops course materials for engineering degrees and teaches the next generation of engineers for careers in sustainable energy and building technology, architectural technology and mechanical engineering technology.

[Read more >](#)

**WE ARE  
FUTURE FOCUSED**

[appliedtechnology.humber.ca](http://appliedtechnology.humber.ca)



[@HumberAppTech](#)



[@HumberAppTech](#)



[@HumberAppliedTechnology](#)



# FAST NEWS

## HUMBER DEBUTS THREE NEW ENGINEERING DEGREES



By Bridget Yard

The first cohort of students in Humber College's new Bachelor of Engineering programs will start classes in September 2021, and not a moment too soon. As the industry grows, changes and adapts to Canadian society, more engineers are needed to build and maintain the infrastructure and technology we depend on.

Industry 4.0 brings a digital transformation that is changing the way we live and produce products and engineering graduates are needed to address a growing skills gap.

The degrees include: Bachelor of Engineering - Information Systems Engineering, Bachelor of Engineering - The Built Environment and Bachelor of Engineering – Mechatronics.

"Built on our expertise in mechatronics, sustainability and information technology, Humber's new engineering degrees will blend classroom theory with project-based learning providing students with the critical-thinking and hands-on skills needed to prepare the next generation of engineering leaders," says Farzad Rayegani, senior dean of the Faculty of Applied Sciences & Technology.

"My favourite part of the program was the access to labs. The investment that goes into the program is huge and makes a big difference," says Mauricio Toigo, a graduate of the Mechanical Engineering Technology diploma program who has been working at the college since he finished the program in 2019.

[Read more >](#)

**WE ARE  
FUTURE FOCUSED**

[appliedtechnology.humber.ca](http://appliedtechnology.humber.ca)



[@HumberAppTech](#)



[@HumberAppTech](#)



[@HumberAppliedTechnology](#)