



FAST News

MARCH 2023

DEAN'S MESSAGE

Dear Colleagues,

March is an invigorating month when winter recedes, the changing climate brings warmer days rewarding us with pure Ontario maple syrup, and the lengthening hours of daylight welcome spring with renewed energy.

An exhilarating energy has charged our hallways and North Campus these past few weeks. Our FAST Work-Integrated Learning team has been busy coordinating several WIL Career Fairs where our students had the opportunity to network & learn about co-op & employment opportunities.

Our Centre for Skilled Trades & Technology hosted an event where DEWALT announced a \$300,000 donation to support

our students in the skilled trades and fund scholarships, tools for students and additional meaningful supports.

I was honoured to attend a special event Humber College hosted where the Schulich Foundation launched Canada's largest skilled trade scholarship program supporting ten colleges, including Humber. Following the announcement, I was humbled to meet Premier Doug Ford when he acknowledged the 2022 Ontario Volunteer Service Award I received from the Ministry of Citizenship & Multiculturalism for my 20-year dedication to the engineering profession as a volunteer member of the Professional Engineers of Ontario.

[*Continue reading on next page.*](#)

**WE ARE
FUTURE FOCUSED**

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We have many more compelling stories that I look forward to you discovering on the following pages including how we are honouring International Women’s Day (IWD) and continuing to advance engineering education and emerging technologies as a proud partner of National Engineering Month – Canada’s largest celebration of engineering excellence.

As our grey landscape transforms into springtime buds, I encourage you to consider volunteering and give the gift of giving back to your local community. Whether it’s joining an IWD event, participating in an industry panel discussion, or volunteering at a local charity, volunteering sparks positive change.

With gratitude,
Dr. Farzad Rayegani, P.Eng, FEC.
Senior Dean



DEWALT PARTNERS WITH HUMBER TO SUPPORT THE NEXT GENERATION OF SKILLED TRADES PROFESSIONALS

We are truly grateful to DEWALT for their commitment to Humber College and the Centre for Skilled Trades & Technology. Their partnership and \$300,000 donation will support our Humber FAST students in the skilled trades and fund scholarships, tools for students and additional meaningful supports.

FAST is playing a significant role in addressing the skilled trade shortage in Ontario and demonstrating our commitment to building a strong future skilled workforce.

Associate Dean, Michael Auchincloss and Director, Academic Programs Skilled Trades & Apprenticeship, Philip Stubbs are valued faculty members who are committed to our students to prepare them for the jobs of the future. This also includes encouraging women to pursue a career in skilled trades and successfully thrive in a male-dominated industry.

DEWALT will provide brand ambassadors, including Kate Campbell who runs her own company, Kate's Contracting Inc. and was a former guest on HGTV "Holmes on Holmes." Kate will appear at Humber events and support recruiting the next generation of skilled trades professionals while empowering women to put on a hard hat and a pair of steel-toe boots and shatter the glass ceiling on pursuing a career in skilled trades.

Visit this [link](#) to read the feature article in Humber Today.



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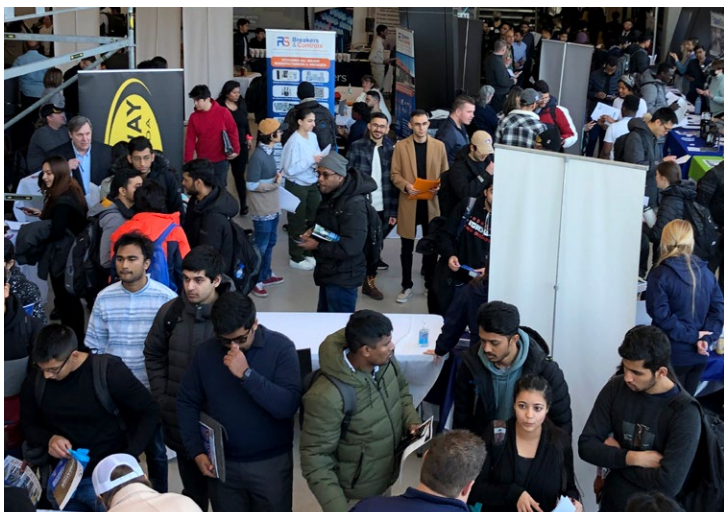


WORK-INTEGRATED LEARNING CAREER FAIRS

Our FAST Work-Integrated Learning team has been busy coordinating several WIL Career Fairs!

MANUFACTURING AND SKILLED TRADES WIL CAREER FAIR >

On February 1, students and soon-to-be-graduates from advanced manufacturing, design & built environment, information & communications technology, engineering degrees, skilled trades and graduate certificates had the opportunity to network with more than 40 industry partners.



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< DESIGN CAREER FAIR

On February 16, the WIL team hosted the Design Career Fair for students and soon-to-be graduates from interior design, interior decorating, industrial design and architecture to meet with more than 25 employers in the design industry.

Together with our industry partners, we are working to ensure our Humber FAST students are set-up for success.

Thank you to Janice Wojcik, Melanie Katovich and the entire team at the FAST WIL & Industry Engagement Co-op & Work Placement Services Office, who helped coordinate these Career Fairs that provide an opportunity for students to network & learn about co-op & employment opportunities!





INDUSTRIAL DESIGN THIRD YEAR STUDENTS DESIGN FOR MODERN LIVING IN UMBRA/HUMBER STUDIO PROJECT

Driven by innovation, Toronto-based Umbra has become a global leader in product design, known for pushing boundaries in its approach to original design.

An industry leader, we are proud this company partners with FAST to host the annual Umbra/Humber Studio project with Industrial Design third year students!

Umbra's theme this year was "Giftable Outliers". The goal was to push Umbra to explore new categories and new ideas while also developing an item that could be gifted. Students needed to understand their market deeply, and design something that would truly stand out.

Congratulations to all participating students with a special high-five to the following award recipients:

- **First Place - Daniel Rowland**
Bellwood-inspired Bladeless Fan
"Level of execution was exceptional, excellent details about manufacturing"
- **Second Place - Bianca Fraser**
The Duet Rack
"instant fit to the existing Umbra line"
- **Third Place - Konnor Luciani**
Ollas
"an outlier, unique idea"

A special shout out to Professor Kaylyn Belcourt for spear-heading this inspiring initiative!



Bellwood-inspired Bladeless Fan



The Duet Rack



Ollas



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Join us at the
**Humber College
Champions
Women in STEM**
event
March 8

**national
ENGINEERING
MONTH**

Lead Partner
HUMBER
Faculty of Applied Sciences & Technology



MARCH IS NATIONAL ENGINEERING MONTH

Humber FAST is a proud partner of National Engineering Month – Canada’s engineering event of the year!

NEM 2023 will host 5 weeks of in-person, online & hybrid premium engineering content consisting of panel discussions, skills-building workshops and networking events designed to benefit the engineering community.

NEM Ontario partners & OSPE members are FREE to register and attend events using promo code: NEMVIP

Humber College Champions Women in STEM

Virtual Panel Discussion

Wednesday, March 8 at 6:00 P.M.

International Women’s Day

A panel of fearless women and supportive men will share their authentic stories and how there is strength in our differences to bring innovation, productivity, and pride to a more elastic workforce. Join us as we inspire, connect and empower participants to recognize and celebrate International Women’s Day.

Panelists

Dr. Gina Antonacci, Senior Vice President, Academic, Humber College

Dr. Shaun Ghafari, P.Eng., Associate Dean, Advanced Manufacturing, Humber College

Corey Meunier, Chair, Technology & Skilled Trades, Sault College

Firoozeh Khalily, Vice President, National Field Operations, Rogers Communications

Muktha Tumkur, MBA, P.Eng., Executive Director, Technology Accreditation Canada

Moderator

Dr. Martine Spinks, Associate Dean, Design & Built Environment, FAST, Humber College

Visit the [NEM website](#) to register and for a full listing of events.

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FIRST ROBOTICS RETURNS TO HUMBER

Sounds of metal clanging, power tools buzzing and engines whirring will once again fill the Athletic Centre at Humber College's North Campus from March 17-19 as 400+ high school students take part in the FIRST Robotics Competition.

Combining the excitement of sport with the rigors of science and technology, the FIRST Robotics Competition is the ultimate sport for the mind. The competition provides high school students and their adult mentors the opportunity to collaborate and work together to solve a common problem.

During the two-day competition, 30+ teams representing schools from London to Kingston, Ontario will flex their engineering, coding and design skills as they put their homemade robots to the test in a series of specially designed challenges.

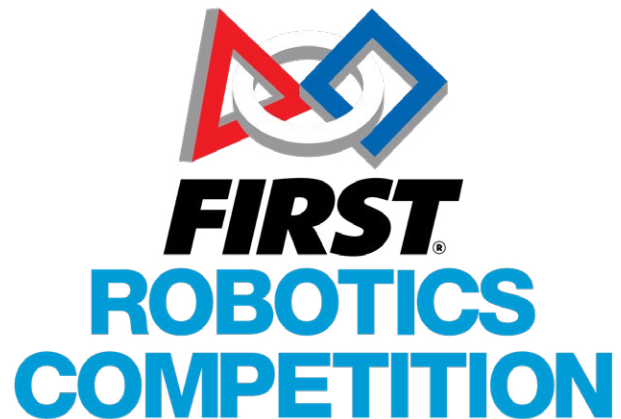
This is an excellent opportunity to engage with more than 400 high school students and help them make informed choices as they decide on their post-secondary destination.

We encourage FAST faculty, staff and students to attend and actively participate in this exciting competition!

Visit this [link](#) for more information.



PRESENTED BY





SCHULICH FOUNDATION LAUNCHES CANADA'S LARGEST SKILLED TRADE SCHOLARSHIP PROGRAM

The Schulich Builders: Scholarships for Skilled Trades, the largest skilled trade scholarship program in Canada, will support students pursuing their education in the skilled trades.

Humber College hosted an event, attended by Premier Doug Ford and Ministers Jill Dunlop, Monte McNaughton,

and Stephen Lecce, to announce the record-breaking scholarship that will support ten colleges, including Humber. In its first year of operation, more than \$3 million is committed to combat labour shortages and highlight the importance of skilled trades in Canada.

Visit this [link](#) to read the feature article in Humber Today.





FAST APPOINTS IDEAS COMMITTEE CO-CHAIRS

Congratulations to Órla Keane and Piranes Rajeswaran who are the newly appointed co-chairs of the FAST Inclusion, Diversity, Equity, Accessibility and Sustainability (IDEAS) Committee!

FAST IDEAS are planning a Spring Faculty IDEAS Showcase where faculty from across FAST can share class projects, student-focused initiatives, site visits, etc. that incorporate the principles of IDEAS.

This workshop will be for faculty only, where colleagues can come together in a community of practice and share teaching and learning successes.

If you have an example of an applied learning project or curriculum engagement with IDEAS, please connect with Órla, Piranes or Martine Spinks.



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HOME SWEET HUMBER

CELEBRATING AND SHOWCASING LIFE AT NORTH CAMPUS AND CARRIER DRIVE!

PINK SHIRT ANTI-BULLYING DAY



Share your life on campus images in the next FAST News issue! Please submit to [Jennifer Buchalter](mailto:jennifer.buchalter@humber.ca).



PEOPLE OF CARRIER DRIVE

ERIC ILANO'S PASSION TRANSCEND INTERNATIONAL BOUNDARIES IN TRADES

By: Cindy Giang

Cindy is a student in the Bachelor of Public Relations program and is currently a Work Study student at the Centre for Skilled Trades & Technology, Carrier Drive

Trade is an expansive and ever-evolving industry that is important and necessary to the daily lives of all citizens. Eric Ilano (the lead technologist at the Humber Centre for Skilled Trades) says for tradespeople, the industry is tough. He advises potential tradespeople “to put your heart into it but once you get into it, make sure you stay safe while working.” This advice is demonstrated throughout Eric’s dynamic life experiences. His experiences show his willingness to learn and his drive to expand himself within the industry.

Eric’s trade journey started in Cavite, Philippines. “I have been taught by my grandfather how to be successful, especially in the trades,” and these make up the most memorable moments for him. He explained that trades “are part of me because where I came from, that is the only thing we do.” His family would plant rice during the rainy season and converted jeeps, left behind by the American soldiers during World War II, into transportation for the locals. Eric expanded his knowledge for trades by majoring in computer technology at the Philippine Women’s University.

After graduating from the university, he received an offer to be an electrician in Japan. He says, “It was my dream to find an opportunity to work abroad.” He took the offer and left to continue his passion. When Eric arrived in Japan, he was sent to learn Japanese before completing his electrician certification process. He mainly worked on electrical wiring for high-rise buildings. He also worked at his boss’s sashimi restaurant during his off time, which led to operating his own Filipino restaurant later.



Eric’s passion for trades continues to blossom even in his current role at Humber. In addition to supporting the operations at Carrier by managing the equipment and material orders, the opportunities are never-ending especially in the education space and that is what excites Eric as an employee at Humber. He says, “You are constantly learning and growing at Humber College. There is always someone coming in to show us new technology for us to learn from”.



STUDENT CAPSTONE PROJECT SPOTLIGHT



NAME:
Ernest Estrada

PROGRAM OF STUDY:
Computer Systems Technician
– Information Technology
Infrastructure and Services

CAPSTONE PROJECT:
Redundant Cloud Storage
Deployment

WHAT ARE YOU MOST PROUD OF?

The key point I aimed to accomplish with this project is to be able to provide a system that can maintain the continuity of workflow for either an organization or individual, as well as have it be flexible financially. For the Technical Project class, my self-imposed scenario was to only use the equipment I had at the time, and \$0 in spending budget which meant no paid services or subscriptions. Additionally, I did not use anything that involved a free trial; all software used in this project is usable and obtainable by anyone.

TELL US ABOUT YOUR PROJECT?

This project stems from the amount of downtime I experienced in various workplaces where services such as AWS, Google Drive, and Microsoft OneDrive became inaccessible. At the time, we were challenged to quickly find a solution or risk being out of production. Each time this happened, I couldn't help but think 'Wouldn't it be perfect if we have a backup plan hot and ready to go?'

In this project, I took traditional online cloud storage service, and combined it with a local cloud storage solution to form a system that is both highly available and redundant. If one of these cloud storage services goes down or becomes otherwise unreachable, users are still able to sync from and utilize the other one. When the aforementioned unreachable service goes back online, it's able to 'catch up' on the changes that happened ever since it went down.

We are becoming more reliant on online services that require access to the internet. With this type of deployment, if a group or individual becomes cut off from the internet for whatever reason, they can still have access to their uploaded files via the local cloud storage solution. If outside users are unable to access the local cloud storage when abroad, they are able to utilize the online cloud service.

Moreover, I was able to enable other services such as a mail client and web conferencing application that adds high availability to a company's or individual's workflow overall, as well as 2-factor authentication and the option for FIDO2 passwordless login.



UPCOMING EVENTS

MARCH 8

International Women's Day Panel Discussion

MARCH 15

Annual Co-op Career Fair
1:00 p.m. – 5:00 p.m.

APRIL 12

FAST Scholarship Celebration
6:00 p.m. – 9:00 p.m.

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ALL DAY BREAK-FAST WITH FARZAD

As we build upon the past five years and embark on this continuous journey together, we welcome your feedback!

To schedule a Break-FAST chat with Farzad or any member of the Leadership Team, please contact the Office of the Senior Dean, Julie Pasquin julie.pasquin@humber.ca




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

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

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



SENIOR DEAN'S IMPACT REPORT 2017-2022

With great pride, May 2022 marked my five-year milestone serving FAST as senior dean. Celebrating the accomplishments of the FAST community is a joy and privilege.

What we have accomplished together during my five-year tenure as senior dean would not be possible without the extraordinary accomplishments of my predecessors, the Humber community and our FAST leadership team.

I humbly present to you the [Senior Dean's Impact Report: 2017-2022](#) - a culmination of our collaborative approach these past five years. We have accomplished incredible growth; launched new programs including three historical engineering degrees; invested in addressing the growing skills gap; fostered strategic industry partners; and helped to transform education on a global stage.

I hope you will take the time to find a quiet corner, sip your beverage of choice and dive into this comprehensive report that chronicles and celebrates our collective achievements!