



HUMBER

Faculty of Applied Sciences & Technology

FAST News

OCTOBER 2021

DEAN'S MESSAGE

Dear Colleagues,

October is a magical time of year when Mother Nature puts on a spectacle, and we welcome the golden autumn landscapes. As we observe leaves turning into hues of red and gold, this colourful transition reflects our return to the fall academic term as we settle into new routines and adjust to new changes amid this transition. In many ways, this time of year feels like a fresh new start as our new realities shift and give way to transformation.

Humber FAST faculty & staff have worked extremely hard to prepare our safe return to learning. The health and well-being of our campus community remains our top priority and I am deeply grateful to everyone for their support as we have been asked to implement innovative approaches to learning. Thank you! Together we are finding new and transformative ways to create the sense of community that is so central to the Humber experience.

It takes a community to make a difference and our FAST leadership team came together on September 30, to listen. Reflect. Remember. Our faculty is committed to creating a path toward transformative learning about truth and reconciliation. Because Every Child Matters.

[Continue reading on next page.](#)

**WE ARE
FUTURE FOCUSED**

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I am excited to announce our FAST family is expanding with two new team members who bring a passion for higher education. Tina Kotsiomititis, Director, Academic Programs and Simon Heathcote, Associate Director, Technical Services will work closely with me and our Associate Deans on a wide range of academic operational matters for all program clusters across FAST.

Our team continues to push boundaries and this is evident in the latest Humber Research & Innovation 2020-21 Annual Report. Humber College now ranks at #6 in Canada's Top 50 Research Colleges 2020 and several FAST faculty & staff are showcased as they continue to find innovative ways to collaborate with industry and community partners to help solve real world issues.

As our green landscape becomes a wash of red, orange and yellow, I encourage you to immerse yourselves in the great outdoors and explore nature's palette as it begins to transform throughout the Arboretum.

Let's continue to take time for ourselves, work together to support an inclusive learning and working environment, and spark bold conversations to inspire positive change.

Stay safe & healthy,
Dr. Farzad Rayegani, P.Eng, FEC.
Senior Dean

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EVERY CHILD MATTERS

On September 30, Humber FAST gathered at the BCTI totem pole to listen. Reflect. Remember.

We strive to build cultural understanding and create a path toward a renewed relationship between Indigenous Peoples and Canadians through transformative learning about truth and reconciliation.

We hear you. Every Child Matters.



WELCOME TO FAST!

We are pleased to welcome the following new full-time faculty members to Humber FAST!



Tina Kotsiomitis

Director, Academic Programs

Highly skilled in building relationships and creating partnerships with stakeholders, Tina is an accomplished, visionary leader with 14 years of teaching experience and

10 years of experience as an education administrator in both the secondary and college sectors. Tina joins us from Seneca College where she was the Manager, Academic Programs responsible for the overall educational leadership and administration for the programs including fiscal management, and performance improvement.

Under the direction of our Senior Dean, Tina will provide principal support to the Office of the Senior Dean with a wide range of operational matters of department importance and work closely with the Associate Deans on key academic operational tasks faced with each program cluster across FAST.



Simon Heathcote

Associate Director, Technical Services

Enthusiastic about higher education, Simon has worked for Ontario colleges for more than 10 years. Recently, he was the lab manager at an Ontario college where he was

responsible for operations, purchasing, safe operation and staffing lab spaces.

Working with the Associate Director, Operations, Simon will report to our Senior Dean and be responsible for managing the effective implementation and supervision of the technical services within the faculty. The role provides technical expertise to mitigate risk and ensure optimal outcomes for all technical activities and projects. The role is also responsible for developing, recommending, and implementing departmental protocol, policies and procedures as it relates to technology within FAST.

Please join us in extending a warm welcome to our newest FAST members.



HVAC TECHNOLOGY ALUMNI WIN FIRST PLACE AT ASHRAE COMPETITION

We are proud to announce that two HVAC Technology Alumni, who now attend Ferris State's HVAC program, won first place at the American Society of Heating, Refrigeration, and Air Conditioning Engineers' (ASHRAE) System Selection International Competition!

Humber FAST Alumni, Brian Van Schepen (Owen Sound) and Cole Quinlan (Orangeville) together with their colleagues in the Ferris State University Heating, Ventilation, Air Conditioning and Refrigeration (HVACR) program won the International HVAC System Selection Competition.

The purpose of the competition is to recognize outstanding student design projects and encourage undergraduate students to become involved in the profession while applying their knowledge of practical design.

The Ferris HVACR team will receive the HVAC System Selection award at the 2022 ASHRAE Winter meeting to be held January 29 through February 2, 2022, in Las Vegas.

Congratulations Brian and Cole!



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CIVICLABTO

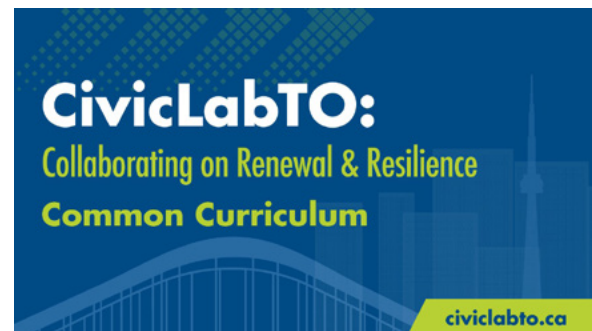
This Fall, we launched our first CivicLabTO: Collaborating on Renewal and Resilience - Common Curriculum elective course in our Architectural Technology program.

This initiative forges deep ties between academic researchers from 8 higher education institution partners, city-building practitioners, and senior City of Toronto staff for knowledge mobilization and inter-sectoral collaboration.

We applaud Prof. Marcin Kedzior and Associate Dean, Dr. Martine Spinks who spearheaded this initiative for Humber College and Prof. Elizabeth Fenuta who brought it to the finish line.

This initiative is an excellent example of working horizontally across faculty and institutional boundaries, which reflects real world dynamics of working in the built environment.

[Find our more information on CivicLabTO and the upcoming Academic Summit in November](#)



HUMBER RESEARCH & INNOVATION 2020-2021 YEAR IN REVIEW

We are pushing boundaries.

Humber Research & Innovation supports collaboration, applied research, and innovation at Humber College and in the community. Faculty and student research teams collaborate with industry and community partners to help solve real world issues and the past 12 months were a remarkable year exploring unlimited possibilities.

The 2020-21 Annual Report showcases the resiliency and steadfastness demonstrated by the outstanding research community and includes remarkable initiatives by Humber FAST faculty & staff including Dr. Dennis Kappen, Prof. Lars Kristjansen, Prof. Elizabeth Fenuta, Prof. Shahdad Shariatmadari, Prof. Timothy Wong, Dr. Maryam Davoudpour, Dr. Maria Jacome, Prof. Orren Johnson, Dr. Daryoush Mortazavi, Dr. Savdulla Kazazi, Prof. Mokhtar Kamli, Prof. Hussin Hassen, Dr. Nilufar Poshtiban, Dr. Hamid Dehkordi, Prof. Raji Subramanian and Dr. Sherif Hanna to name a few.



Humber College now ranks at #6 in Canada's Top 50 Research Colleges 2020. As mentioned by Dean, Ginger Grant, this truly demonstrates how faculty, staff and students continue to find innovative ways to collaborate and engage with the community. We will continue to break down obstacles to applied research and further develop a lively and inclusive research culture at Humber.

An idea is all it takes to begin the journey to research and innovation!

Read the full report [here](#)



HUMBER FAST INTERNS CREATE BIG NEWS FOR A TINY TOWN

Who you gonna call?

When the City of Toronto decided to update its Tiny Town model, the Urban Design department knew just whom to call: A select group of interns from Humber College.

Coordinated by the Centre for Creative Business Innovation and the Faculty of Media & Creative Arts (FMCA's), the internship opportunity included seven students from FMCA's UX Design Ontario Graduate Certificate program and FAST Bachelor of Industrial Design and Bachelor of Interior Design programs. The project also collaborated with Barrett CTI.

They produced a small sample of a physical model and incorporated augmented reality (AR) technology in their final presentation to city staff and Humber faculty.

The work of Humber College students on Tiny Town could have a significant impact on how Torontonians – and visitors – interact with Canada's biggest city!

Read the full story [here](#)

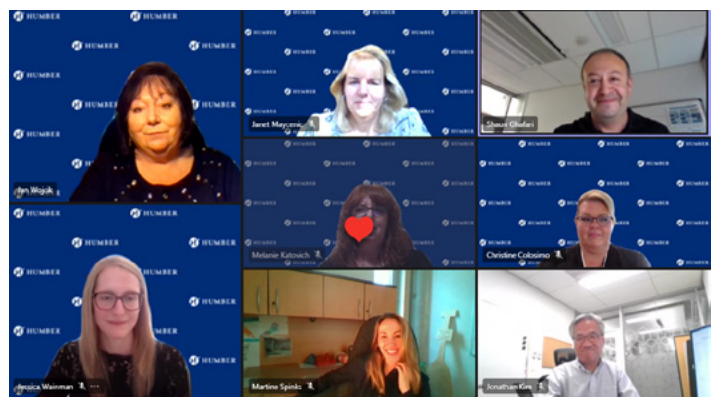


WIL EMPLOYER APPRECIATION AND CELEBRATION OF STUDENT PLACEMENT SUCCESS

The WIL office hosted its annual Employer Appreciation and Celebration of Student Placement Success event, on September 16.

The virtual event enabled FAST staff, faculty and students to express their gratitude to the employers that supported student hires during the past challenging year under the pandemic. It was also an opportunity to congratulate students who participated in placement, and who distinguished themselves through their commitment to their career and desire to learn and grow.

Several students shared their placement experiences, and several employers also spoke about the high caliber of students they hire from Humber, noting how co-op is a great program to help them fill needs today and also identify future talent.





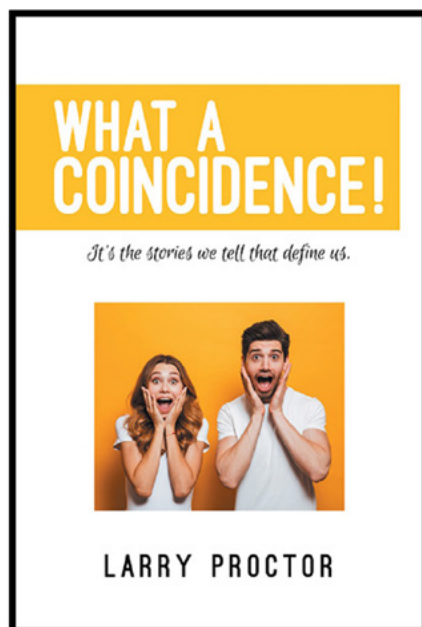
HUMBER FAST OFFICIAL PARTNER OF INAUGURAL ENGINEERING CONFERENCE

The Future of Engineering is the first annual engineering conference presented by the Ontario Society of Professional Engineers (OSPE). The two-day virtual conference on October 6 & 7 will bring engineers together with industry, academia and government to present and discuss the latest opportunities, challenges and innovations in engineering, and what must be done in Ontario and Canada to remain competitive. Humber FAST is a proud partner of this inaugural conference where delegates will:

- Network with colleagues while learning about the innovative engineering work taking place in Ontario
- Participate in interactive presentations by professional engineers and subject matter experts on important issues facing the profession, with opportunities to provide input
- Interact with OSPE staff and affinity partners to take advantage of all OSPE member benefits



More information available [here](#)



FAST RETIREE LAUNCHES NEW BOOK

When Larry Proctor, former Humber FAST Business Manager, retired in 2018, one of his goals was to finish a book he had been working on. ***“What a Coincidence!”*** is now published!

The book is light, casual reading and contains a collection of short, non-fiction stories that illustrate how the tales we all tell define us as individuals.

“What a Coincidence!” encourages everyone to reflect on their own experiences; to discover the connections between their own stories and the evolution of their own path in life.

The book is available in several formats through Friesen Press and many other on-line booksellers.

For more information, email Larry directly at theproctorslarry@gmail.com



BARRETT CENTRE FOR TECHNOLOGY INNOVATION

HUMBER RESEARCH PROJECT SUCCESS STORY: POWER SUPPLY DESIGN

Faculty Lead Prof. Hussin Hassen with FAST student researchers developed an energy harvesting prototype for Barrett CTI Consortium Partner SEW-EURODRIVE with support from the Barrett CTI team.

The project was funded by Humber College's Office of Research and Innovation and the Barrett CTI. The Barrett CTI team also wants to recognize Temu Moore, Barrett CTI Project Coordinator, for his project management assistance. As a result of this project, we now have a complete lab to use for future projects in this field!

Read full article [here](#)





BARRETT CENTRE FOR TECHNOLOGY INNOVATION

JAVELIN AND BARRETT CTI ARE RECOGNIZED IN THE SEPTEMBER ISSUE OF MANUFACTURING AUTOMATION

Javelin is the lead partner for additive manufacturing and supports the Barrett Centre's two Stratasys Fortus 450mc 3D printers, along with various other printers across the campus. In the Barrett CTI, the two workhorse machines inspire creative projects and support skill development for students and industry partners who use the Centre.

Read full article [here](#)



RAPID ANTIGEN TESTING IN BARRETT CTI

The Demonstration Room (CTI 108) within the Barrett CTI is the hub for rapid antigen testing for Humber students, faculty and staff at the North Campus who need to show proof of a negative test result to access campus. This will be in place until the end of 2021 and may extend into 2022.



WIL SUCCESS SPOTLIGHT

Ashley Nollner

Program of study: Electrical Engineering Technology and Control Systems, Co-op

Work Placement: Mobile Technology Group – Peel Regional Police

1. What did you do during your placement?

During my placement I worked on police vehicles, installing parts including the lights, radio, antennas, modem, siren amp, electrical harnesses, and wiring. I received training on the techniques for proper installation, testing and troubleshooting, ensuring everything met code. I began understanding the different programs that various vehicles required and was able to know what schematics to use to assure the vehicle was functional. I also had the opportunity to troubleshoot and repair any problems in the vehicles, including electrical harnesses and mobile electronic equipment. Currently, I am learning how to image and program the computer systems, execute mobile and radio repairs, and the reprogramming process of all mobile technology equipment.

2. What were some of the most important things you learned during your WIL experience, and why were they so important?

During the process of securing a co-op, I was able to practice my interview skills. Applying to different companies gave me job search experience and the interviews allowed me to learn what worked and what needed to be improved on, to secure a job. Having real interviews gave me experience I can't get anywhere else, and I will benefit from this when finding a full-time job, post-graduation.

Apart from learning basic electrical skills, the most important skill I learned during my placement was how to work independently and, in a team setting within the field. Every job involves different skills to work individually and in a group. In this field you must communicate with and understand your co-workers to complete a project efficiently and safely.



WIL experience gives students the opportunity to understand what a full-time career in your industry consists of. During this period, I was also able to practice and prove my responsibility, punctuality, reliability, accountability, and team working skills.

3. What advice would you give to other students who are thinking about participating in co-op?

When first hearing about the co-op opportunity at Humber College, I was hesitant to apply. I thought that I could get a summer job in my field while getting maximum learning experience on my own. Learning more about the co-op opportunity, I decided to apply. When seeing all the opportunities posted on the co-op job board, I was thankful I followed through with the co-op program. For new students, I would recommend applying for co-op. You will thank yourself for applying because of the endless opportunities posted on the job board.

4. What advice would you give to female students pursuing a career in technology?

I would encourage all females to not doubt yourself. If you feel that going into the industry is something you would enjoy, then there should be nothing holding you back. Working in a shop with all males isn't so bad and once everyone gets to know you, they treat you the same as they treat anyone else, even sometimes better! I was afraid of being the only girl at my co-op placement but working with men is sometimes less stressful and more enjoyable.

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FAST MILESTONES

Congratulations to the following Humber FAST team members who are celebrating Career Milestones in September! We truly appreciate your contribution to the Humber FAST community and congratulate you on reaching this important milestone!

15 years

Muhammad Virk

25 years

Joseph Markovic

35 years

Yuri Sura



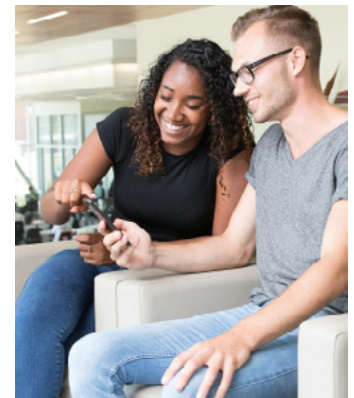
HUMBER CAREERS

Dr. Jonathan Kim, P.Eng., Associate Dean, Information and Communications Technology is looking to fill several part-time teaching positions in almost all areas of computer science for winter 2022 and/or summer 2022 semesters.

If you or someone you know is interested in working in higher education and looking to contribute to the largest polytechnic College in Ontario, here is an excellent opportunity to join our team.

All interested applicants must apply directly online at the job portal.

Read on for more information and to [apply](#)



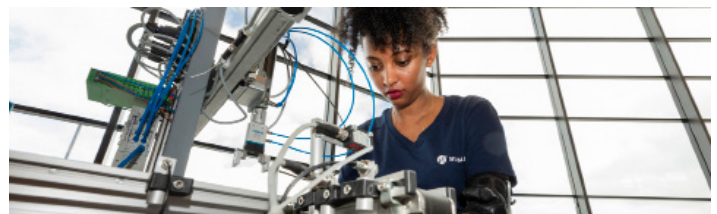
FACULTY OF APPLIED SCIENCES & TECHNOLOGY

UPCOMING EVENTS

OCTOBER 25-29





READING WEEK (No classes)

Campus remains open



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)
-  [@HumberAppTech](https://www.instagram.com/HumberAppTech)
-  [@HumberAppliedTechnology](https://www.facebook.com/HumberAppliedTechnology)
-  [@HumberAppTech](https://www.linkedin.com/company/HumberAppTech)