



HUMBER

Faculty of Applied Sciences & Technology



HUMBER

FAST News

DECEMBER 2022

DEAN'S MESSAGE

Dear Colleagues,

The transition from the fall to winter academic term always makes me reflect on how proud I am of our Humber FAST community. Over the past few months, our faculty, staff and program coordinators have been celebrating our students' academic and personal success; empowering the next generation of Humber learners; and enriching our students' learning experience with extraordinary field trips and workshops.

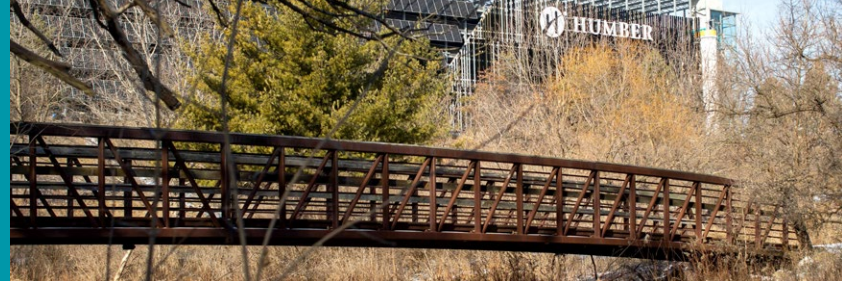
Inspiring our students to become global citizens provides them with a unique opportunity to broaden their learning and educational journey. Professor Zaiba Mian reflects on her recent trip to Denmark where Humber College students and faculty gained a global perspective at KEA Charrette, an international design week where they joined their peers, community members and professionals from around the world to develop innovative solutions to complex problems.

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

**WE ARE
FUTURE FOCUSED**

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While we took immense pride celebrating the Class of 2022 at our Fall Convocation as these graduates embark on new beginnings, we opened our doors to welcome the next generation of Humber students at our Fall Open House where our living labs and hallways filled with an exciting energy!

Our Centre for Skilled Trades & Technology faculty & staff engaged with & inspired thousands of secondary students to explore a career in skilled trades at the “Level Up” Career Fair. Our interactive booth was buzzing with activity showcasing how our unique state-of-the-art facility takes you beyond the traditional classroom.

We have so many more compelling stories that I look forward to you discovering on the following pages, including capturing fun moments on campus that we highlight in our ‘Home Sweet Humber’ profile.

It takes a collaborative approach to coordinate all our programs and events. I extend a sincere thank you to all the faculty, staff, co-ordinators and administrators at our North Campus and Carrier Drive who have helped co-ordinate and host these initiatives. It takes a village, and I am truly grateful for your dedication to delivering success.

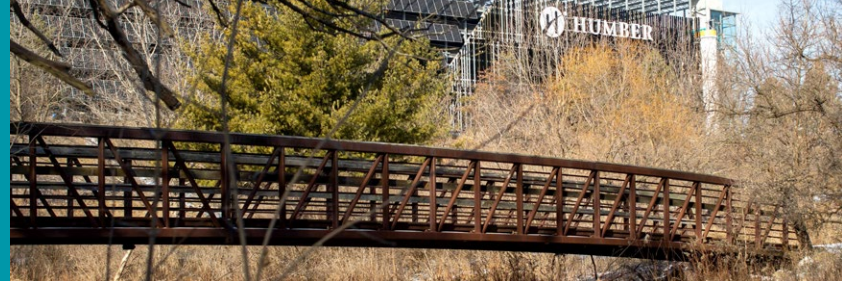
As we approach the holiday break, I encourage you to take the time to rest and spend quality time with your loved ones.

Wishing you and your families a safe and joyous holiday season and I can’t wait to connect with you in 2023!

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

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CELEBRATING THE CLASS OF 2022

Convocation commemorates the culmination of our students' academic journey & the gateway to new beginnings as the next generation of leaders.

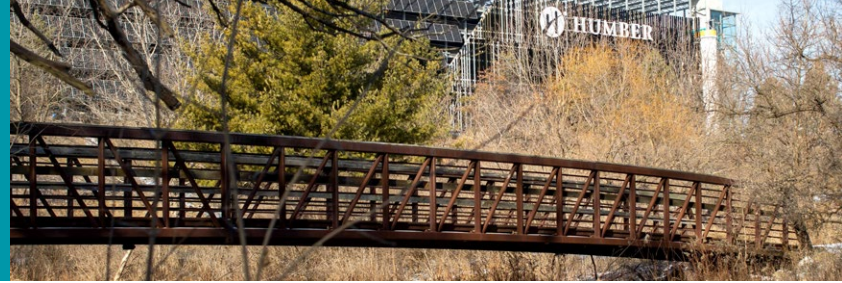
We took great pride in welcoming the Humber FAST Class of 2022 at our Fall Convocation where FAST students from more than 50 programs graced the stage to become career-ready graduates.

Congratulations to the next generation of engineers, designers, journey people, makers and technology leaders of tomorrow!



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FAST STUDENTS AND FACULTY GAIN GLOBAL PERSPECTIVE AT KEA CHARRETTE IN DENMARK

Professor Zaiba Mian reflects on her recent trip to Denmark where Humber College students and faculty gained a global perspective at KEA Charrette, an international design week where they joined their peers, community members and professionals from around the world to develop innovative solutions to complex problems.

The KEA - Copenhagen School of Design of Technology Charrette ran from October 10-14 in Copenhagen and saw Humber send seven students from a variety of faculties including FAST.

By Professor Zaiba Mian

The opportunity to participate as an advisor for the KEA Charrette was an incredible experience on so many levels.

The charrette topic of community engagement was very relevant since my fourth year Bachelor of Interior Design students had just completed a design competition for a community outreach design project for the homeless. It was interesting to frame this type of project in Copenhagen vs. North America where there are similar yet unique challenges. The interdisciplinary design approach to the KEA Charrette added a layer of richness to the project.

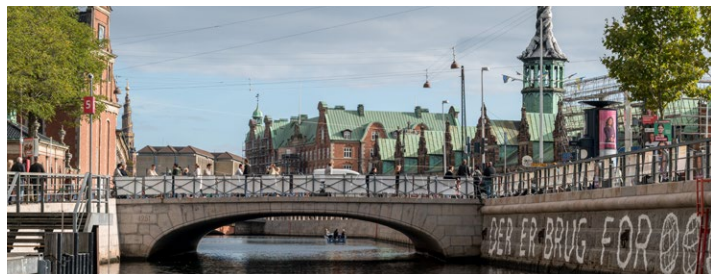
The students from Humber were enthusiastic and they all discussed how life-changing this experience was. Opportunities such as the KEA Charrette, which are outside of our regular context, allow students and faculty to grow personally and professionally.

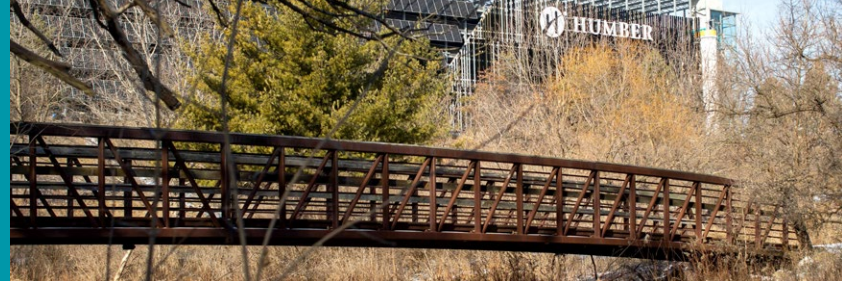
We met with several faculty members from KEA who gave us tours of various facilities and provided insight into the Danish approach to design education. It is important to observe and discuss approaches which can ultimately inform our own ways of doing things.

It was a pleasure to meet a Humber colleague from the Bachelor of Nursing program, Sandra Secord. We are from such different educational backgrounds, but we discovered so much common ground. We hope we can find ways to collaborate at Humber. We sometimes need to leave our own campus to discover the strengths and resources we have here.

The faculty and students enjoyed discovering the wonders of Copenhagen which is a model of sustainability. It was remarkable to witness the number of people who commute via bicycle and the integration of digital technology throughout the city. They even have digital postage!

Visit these links for more information on [KEA Charrette](#) and Humber's [Global Opportunities](#).





FAST SUPPORTS WORLDSKILLS COMPETITION

The WorldSkills Competition is the pinnacle of skills competitions – the Olympics for young competitors to prove their mastery of their chosen skill. Held every 2 years, the competition encompasses more than 55 skills that challenge competitors from around the world to the highest of levels.

This year, due to pandemic restrictions, the skills competitions were held in several locations in what was called WorldSkills 2022 Special Edition.

Simon Heathcote, associate director technical services, has supported the Industrial Mechanics Competition for the past 3 rotations with designs for the test projects to be completed by the competitors.

This year the competition was held at Sheridan College Brampton with 9 competitors from different nations including Canada. The last-minute location change created a need for a quick redesign of the test projects to accommodate different machines and supplies but all was ready for the opening ceremony!

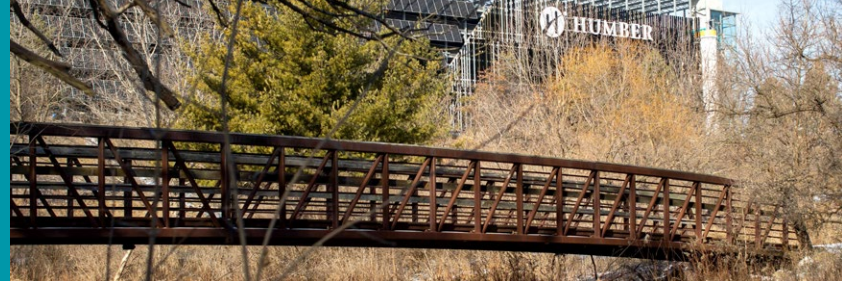
The competition was very close and a high skill level was shown by all competitors who were required to work at a very quick pace to complete the tasks in the required time.

The winning competitor came from Japan with Austria and Korea being awarded Silver and Bronze respectively.

Congratulations to all competitors!

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FAST FIELD WORK AT FORT WILLIAM FIRST NATION

FAST Professor Maria Jacome recently led a field work team to the Fort William First Nation community to collect environmental data (GPR and Geoelectrical) on the Reserve lands.

The community, located near Thunder Bay, has noted that children under five who spent time in an area with more than a century of industrial development were most likely to experience an atypically young onset of leukemia. Part of the CCSIF Applied Research project, this research team will identify prevention, management and remediation methods in the polluted sites.

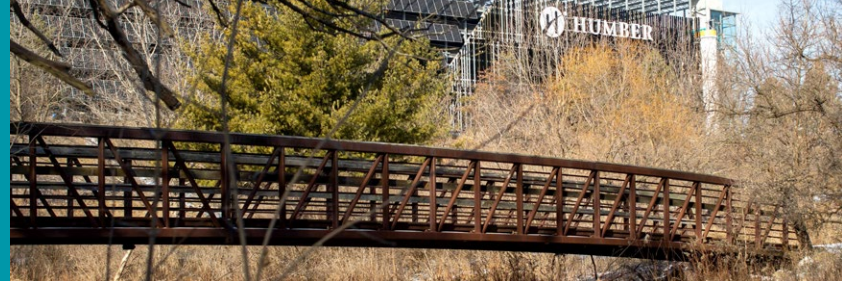
The goal is to build a culturally safe nest to develop community capacity and mentor Indigenous students in environmental engineering and interdisciplinary studies in an Indigenous community setting.

This research project received grants funded by the Natural Sciences and Engineering Research Council of Canada (NSERC), in collaboration with the Canadian Institutes of Health Research (CIHR) and the Social Sciences and Humanities Research Council (SSHRC) to address innovation challenges across Canada.



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ENGAGING WITH THE NEXT GENERATION OF JOURNEY PEOPLE AT THE LEVEL UP SKILLED TRADES FAIR

Our industry experts engaged with & inspired thousands of secondary students to explore a career in skilled trades at the “Level Up” Career Fair!

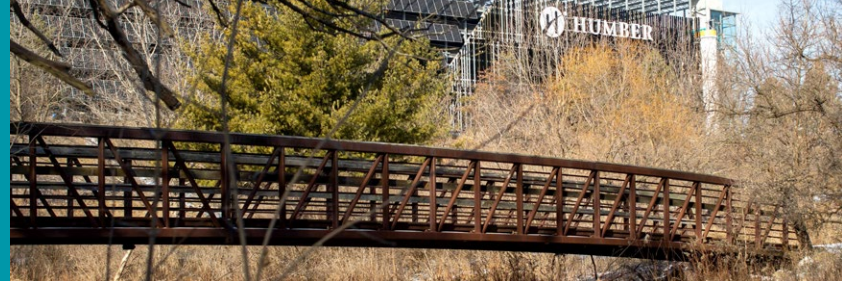
Our interactive booth showcased how our unique state-of-the-art facility takes you beyond the traditional classroom to provide students with hands-on practice in a simulated work-site to learn specialized skills from industry experts. Students were given the opportunity to explore electrical, mechanical & plumbing techniques, and even gear-up to learn the basics of rappelling as an arborist!

Thank you to all the staff & faculty at the Centre for Skilled Trades & Technology who co-ordinated and welcomed students at this three-day Career Fair!



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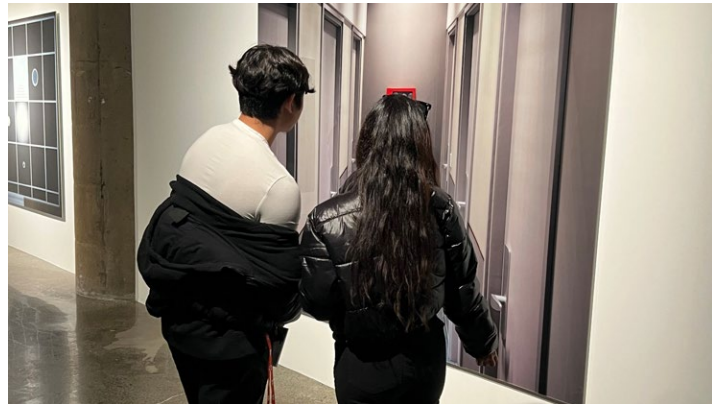
INTERIOR DESIGN STUDENTS EXPLORE MUSEUM OF CONTEMPORARY ART TO SPARK IDEAS AND DISCUSSION

The Museum of Contemporary Art (MOCA) in Toronto challenges the current cultural moment and presents rotating exhibitions and programmes that prioritize twenty-first-century artistic production, primarily through commissioning new work.

The museum fosters active dialogue & participation and is an excellent cultural hub for our first year BA Interior Design students!

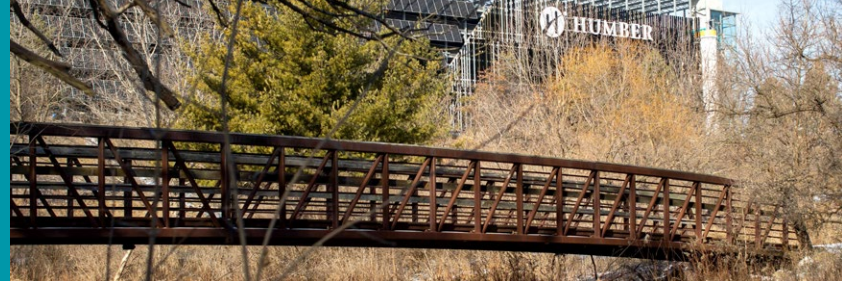
Led by Professor Hilary Bonnell, this fun “field trip” provided a platform for these students to experience art up close and personal as they work on a studio project in which they are required to choose a contemporary artist as their client.

For many of the students, it was their first time visiting a contemporary art museum. A highlight of the trip was when our students interacted with a karaoke installation by artist Thomas Demand, which was part of a larger installation called “House of Card”.



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PROUDLY SHOWCASING ARROW COMPETITION STUDENT DESIGNS AT THE 70TH APMA CONFERENCE

Prof. George Paravantes (FMCA) and Dr. Dennis L. Kappen (FAST) proudly showcased the results of the 2022 ARROW HMI - Humber Industrial Design competition at the 70th Automotive Parts Manufacturers' Association (APMA) conference.

The Human Machine Interface (HMI) designs presented at the conference were student designs from the collaborative course between the fourth year industrial design and interaction design students from the Bachelor of Industrial Design program. These HMI designs were created for the prestigious ARROW project and were presented by FAST

and FMCA, jointly representing Humber College at this annual conference.

The Automotive Parts Manufacturers' Association (APMA) of Canada launched the first, original, full-build, zero-emission concept vehicle named Project Arrow.

An all-Canadian effort, it will be designed, engineered, and built through the joint efforts of our world-class automotive supply sector and post-secondary institutions.

Visit [this link](#) to learn more about Project Arrow.





THIRD YEAR PRODUCT DESIGN CLASS ATTENDS WORKSHOP ON DESIGNING IN VR

Students in their third year product studio class recently attended a VR in Industrial Design Workshop where they were introduced to Oculus and Gravity Sketch VR tools. The intent of the workshop was to introduce them to new tools and spark their interest.

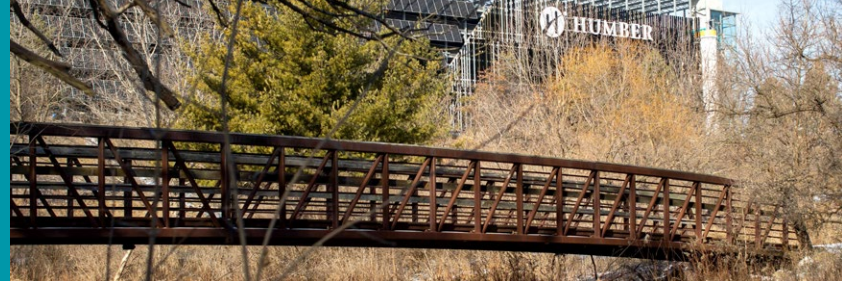
Students were then given the opportunity to check out Oculus devices from the school to continue their learning and use it for sketching for their next assignment. This past week, a project presentation from student, Jenna Brohm, showed multiple project ideation sketches, done in Gravity Sketch.

Big thanks to FAST Professor Kaylyn McCabe, FMCA Professor David Neumann and TA Cristian Loria, for co-ordinating this immersive virtual experience!



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CIVICLABTO COLLABORATION WITH THE CITY OF TORONTO AND HIGHER EDUCATION INSTITUTIONS INCLUDING HUMBER FAST

This is the second consecutive year the CivicLab TO initiative has been successfully executed by Humber College in collaboration with 7 higher education institutions.

As a vital element of the City's dedication to collaboration with the higher education institution partners in Toronto, this interactive and educational pillar of CivicLabTO is a student-learning opportunity focused on municipal policy, service delivery, and inspiring the next generation of municipal leaders.

As part of their individual civics-focused curricula, undergraduate students from Centennial College, George Brown College, Humber College, OCAD University, Toronto Metropolitan University, Seneca College, University of Toronto, and York University are presented to City personnel and elected officials. City of Toronto personnel share their programmes and future prospects through a series of presentations, casual talks, and Q&A sessions.

Visit [this link](#) for more information on the curriculum and to watch the recorded lectures.

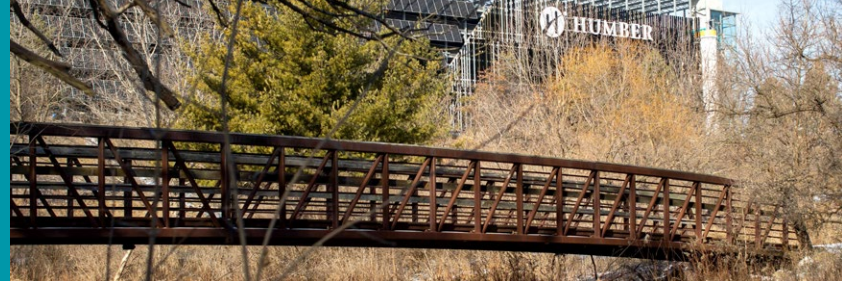
CivicLabTO

Advancing a Culture of Innovation and Partnership



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HOME SWEET HUMBER

CELEBRATING AND SHOWCASING LIFE AT NORTH CAMPUS AND CARRIER DRIVE!

We opened our doors to welcome the next generation of Humber students at our Fall Open House!

Our classrooms and hallways were filled with a renewed energy, providing the opportunity for students to experience North Campus and the Centre for Skilled Trades & Technology, meet our faculty & staff, and learn about the FAST program they chose to pursue at our college.

It takes a collaborative approach to co-ordinate Open House. We extend a sincere thank you to all the faculty, staff, co-ordinators and administrators at our North Campus and Carrier Drive who helped co-ordinate and host our FAST information sessions.



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HUMBER HAS A COOL NEW STUDENT CLUB!

The Humber Tech Society hosted its inaugural meeting to meet like-minded technology enthusiasts, from diverse backgrounds in the Humber community, who are excited to collaborate and co-create innovative projects empowered by cutting-edge technologies.



Our landscape technician students put their skills to the test during their exam by making & building a retainer wall at the Humber Arboretum!



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



Proud to host President Ann Marie Vaughan at Carrier Drive and North Campus to meet our faculty, staff & students and learn about our 50+ programs!



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FAST PARTNERS WITH APPLE AND CPL CENTRAL TO PROVIDE BUSINESS CONSULTANT TRAINING

The FAST CPL department recently partnered with Apple and Humber's CPL Central to deliver its inaugural Apple Device Support Training certification program.

Hosted at the International Graduate School (IGS) during reading week, 10 students registered for this intensive training session, along with three future Humber Instructors. The training session ended with an Employer event, where

students were able to network with Apple Partners and receive excellent coaching, guidance and ideas for their future.

This is the first of many sessions Humber's FAST CPL and CPL Central team hopes to partner with Apple. Special thanks to those at IGS who helped make this all happen!





CO-OP STUDENT SUCCESS SPOTLIGHT



NAME:
Farzana Sanory

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

GRADUATING YEAR:
Class of 2022

WORK PLACEMENT:
New Tech Navi Wireless

PROJECT:
Build Your Own Computer

TELL US ABOUT YOUR PROJECT?

Don't we sometimes feel we needed a computer but the myriad number of choices for components often clouded our decision making process?

In my mind, it can really be classified into three types of users based on their intended purpose. The customers can choose from one starting configuration and from there, either proceed to purchase or further customization. After discussing with my co-op employer, New Tech Navi Wireless, he endorsed my idea. I went on to build a web platform allowing users to build their own computers with an optimized path getting from core configuration to anything more advanced in a few steps and clicks. This platform will go live shortly. I am looking forward to receiving usage data and feedback.

WHAT ARE YOU MOST PROUD OF?

I am so proud that I am now on a paid contract with New Tech Navi Wireless to build another website and merge this with the original site I built during my co-op placement.

I am also proud of completing my program at Humber, juggling between studying and taking care of my family effectively. I learned time management is key. I also received strong support from teaching faculties. I am a proud Humber graduate!



PEOPLE OF CARRIER DRIVE

A REFLECTIVE PIECE ON THE VENTURE IN PUSHING BOUNDARIES

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.

“Endless opportunities” is what comes to mind when I think of the centre for skilled trades at Humber College.

I have been a work-study student at the centre for more than a year now working as an office assistant. I support the administrative side and help resolve issues for the faculty. Additionally, I help guide students and potential students to the right resources as they decide on the next steps in their academic journey.

I hesitated to push boundaries at first. I was in my second year of my Bachelor of Public Relations program when I first started, and I did not have a clear idea of which opportunities I wanted to explore. There were also limited in-person opportunities due to COVID-19 restrictions. As I started to open up and become less timid in the office over the year, I became more involved. I have many memorable moments and it is hard to pinpoint my favourite one. I did get to attend Level Up recently which is the skilled trades’ career fair, and that helped to broaden my understanding of different trades.

The most recent opportunity that has come my way has been writing for the “People of Carrier” which was introduced by Phillip Stubbs, the academic director at the centre. It helps to cast a spotlight on the centre’s staff and faculty members for the FAST monthly newsletter. It is a special opportunity because it challenges me to step out of my comfort zone and explore different writing styles. Venturing into the unknown is intimidating because I cannot always predict how the final result will be received. I was

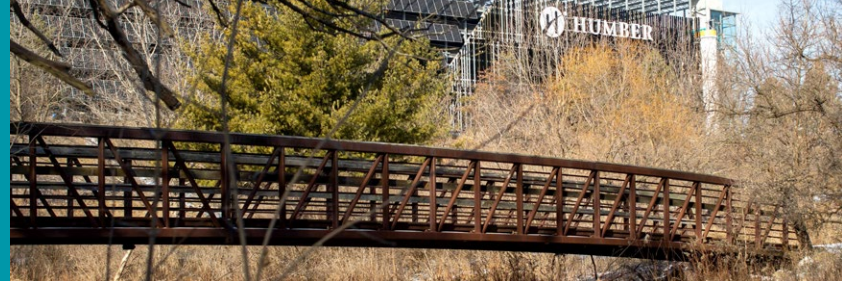


lucky to have Phillip and my co-worker, Roop Gill, to guide and support my writing adventure. It pushes me to tap into my creative side and encourages me to take risks in the academic realm.

I believe that I am lucky, but “luck is what happens when preparation meets opportunity.” My persistence to push through this challenge has sharpened my skills. Therefore, my takeaway is not to be afraid to learn new skills because you are preparing for future opportunities.

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FAST LAUNCHING IDEAS COMMITTEE

FAST is launching its own Inclusion, Diversity, Equity, Accessibility and Sustainability Committee! Through a cross-representation of the administration, faculty and support staff, FAST IDEAS will work with the following objectives in mind:

- To advise FAST leadership on important issues related to EDI, sustainability and accessibility;

- Be a space for initiatives in our Faculty and beyond to report into and receive feedback;
- To be equity champions in FAST.

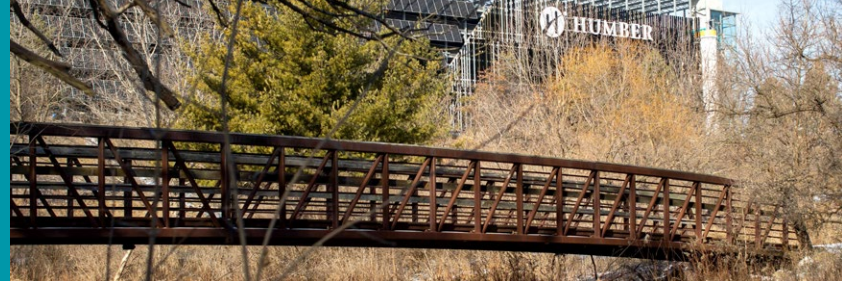
If you are interested in participating in the IDEAS Committee, please connect with your manager.

If you are interested in bringing ideas, issues or feedback to the committee, please connect with the IDEAS Chair, Martine Spinks at martine.Spinks@humber.ca



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ANNOUNCEMENTS

We are beaming with pride for Professor Imran Khan, Robotics & Automation, Electro-Mechanical Engineering Technology who has successfully earned his PhD.

Congratulations Dr. Imran Khan!



UPCOMING EVENTS

DECEMBER 18
Last Day of Classes

DECEMBER 20
FAST Holiday Lunch

DECEMBER 23
Holiday Period Begins –
College is closed

JANUARY 3, 2023
College Re-opens

JANUARY 4-6, 2023
Orientation

JANUARY 9, 2023
Day & Evening Classes Begin

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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

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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!