



HUMBER

Faculty of Applied Sciences & Technology



FAST TIMES

MAY 2023

Dear Colleagues,

Spring is in the air! We are witnessing colourful blooms, feel the bright sunlight, smell the first fragrance of spring and just maybe catch a glimpse of a tree swallow!

The Centre for Skilled Trades & Technology has partnered with Friends of Sam Smith to assist in restoring the tree swallow population with newly designed birdhouses. The Humber community has been building these new nests including HGTV Canada's Kate Campbell who stopped by Carrier Drive for Open House where she shared how she built her business, her love for skilled trades, demonstrated the latest tools & technology at Carrier Drive and built a tree swallow birdhouse!

This is an exciting time at North Campus where the class of 2023 are showcasing their thesis and capstone projects! These senior level projects are the culmination of our students' career at Humber FAST and the result of continuous development over the course of the academic year leading to this moment.

[Continue reading on next page.](#)

WE ARE

FUTURE FOCUSED

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Recently the Humber community showcased their skilled trades at Skills Ontario where 10 FAST students earned four gold, two silver and two bronze medals at the Ontario Competition Closing Ceremony! It takes a village to help our students prepare for this competition and we greatly appreciate all the coaches, educators, staff, technologists, mentors and faculty who helped our students compete.

We have many more compelling stories that I look forward to you discovering in this issue including a profile on two Industrial Design students who were finalists selected to present their designs to a panel of judges, at the Arctic Design Week held in Rovaniemi, Finland!

As we welcome a new academic term, celebrate Capstone Projects and Thesis Shows, watch our students participate in the 2023 Skills Competition, and commemorate the Class of 2023 in June, I encourage all of us to take a moment and celebrate our achievements!

In the meantime, enjoy a walk through the Humber Arboretum and North Campus and maybe you will catch a glimpse of a tree swallow enjoying their new birdhouse!

Warm regards,
Michael Auchincloss
Associate Dean

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HUMBER HAWKS PUT THEIR SKILLS TO THE TEST AT 2023 SKILLS COMPETITIONS

FAST STUDENTS EARN EIGHT MEDALS AT COMPETITION

The Toronto Congress Centre was full of energy May 1-3 as Skills Ontario hosted the Career Exploration Showcase and Skills Ontario Competition!

Humber College was front and centre engaging with elementary and secondary students at the Career Exploration Showcase where our team hosted several engaging activities to showcase our many skilled trades programs.

Simultaneously, 35 Humber FAST students participated in the Skilled Ontario Competition and 10 students were awarded medals at the Ontario Competition Closing Ceremony!



GOLD

Ashley Nollner,
Automation & Controls
Advances to Skills Canada

Andrian Presot,
Cabinetmaking
Advances to Skills Canada

Dillon Kong & Paxton Coghlin,
Mechatronics
Advances to Skills Canada

Jonathan Medina Delgado,
Landscape Design

SILVER

Alfonso Miguel Alvaran,
Electronics

Mayte Vancini,
Landscape Design

BRONZE

Luke Crilly & Matthew Alvarez,
Horticulture & Landscape

Marcus Lahn,
Mechanical CAD

Humber College is no stranger to Skills Ontario and has applauded many FAST students throughout the years for their hard work and dedication to the competitions. It is an incredible honour to participate in this annual event and we congratulate all our FAST students who qualified for this year's Skills Ontario Competition!

It takes a village to help our students prepare for this competition and we greatly appreciate all the coaches, educators, staff, mentors and faculty who helped our students compete.

Once again, congratulations to all our Humber FAST students who participated in this year's competition!

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2023 SKILLS ONTARIO CAREER EXPLORATION SHOWCASE



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FAST LEARNERS

Every year, we continue the tradition of celebrating the class of 2023 and our graduates' major milestone at Thesis Shows and Capstone Expos.

An opportunity to exhibit their hard work and talents to industry professionals, these senior level projects are the culmination of our students' career at Humber FAST. It is the result of continuous development over the course of the academic year leading to this moment.

Congratulations to the class of 2023 and all the faculty, staff, technologists and industry partners who helped coordinate all these exciting annual events and provided mentorship and support to our students.

INFORMATION AND COMMUNICATION TECHNOLOGY (ICT) 2023 CAPSTONE PROJECT EXPO

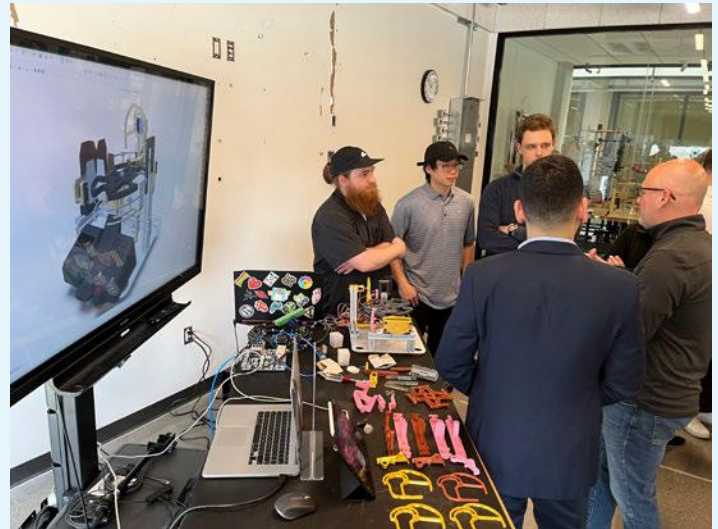


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ADVANCED MANUFACTURING 2023 CAPSTONE PROJECT EXPO

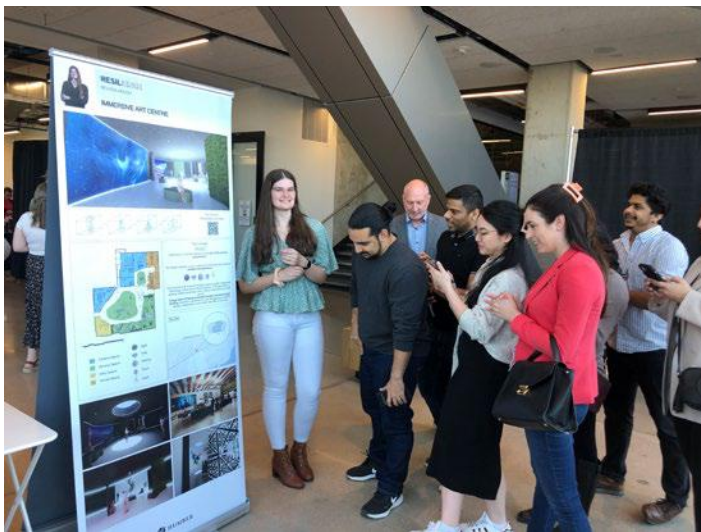


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BACHELOR OF INTERIOR DESIGN GRADUATING CLASS OF 2023 PRESENT "RESILIENCE" THESIS SHOW



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BACHELOR OF INDUSTRIAL DESIGN GRADUATING CLASS OF 2023 PRESENT "UNTETHERED" THESIS SHOW



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BACHELOR OF INTERIOR DECORATING GRADUATING CLASS OF 2023 THESIS SHOW



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2023 SCHOLARSHIP CELEBRATION

The Humber College community came together to celebrate the achievements of student scholarship recipients and recognize the generosity of donors who provided these scholarships.

This year's event welcomed faculty, staff, students and donors from all six Faculties and included a reception where guests mingled and took part in photo booth festivities. This was followed by a seated dinner where donors and students had an opportunity to get to know each other and discuss the impact of scholarships on their educational journey.

Humber FAST is grateful to its donors for their commitment to student success & applauds the incredible accomplishments of these talented recipients. Congratulations!



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THE PALESTINE PROJECT

Our third year Humber Interior Design students were challenged to develop an adaptive reuse project for Nablus, Palestine. This entailed re-purposing the 150-year-old Toukan Soap Factory into a museum focused on cultural preservation of the historic soap industry in Palestine, and a co-working office that supports the region's emerging entrepreneurs and small businesses.

The Palestine Project provided students with a platform to expand multi-cultural awareness and solve design problems for the built environment through the examination of geographical, historical, cultural, political, economic and environmental lenses.



Inspired by iconic Arabic artifacts found in the region's architecture, art, costume design and traditions of embroidery, the Interior Design students created individual interpretations of an artifact that celebrates the inter-relationship between Palestinian craft, design and architecture. Students utilized traditional craft and modern fabrication processes and created a 13' wide x 6' high installation.

The artifacts collectively form 3 screens which symbolize how design can span across time, cultural traditions and languages, to become a unifying catalyst for positive transformation, empathy building and social inclusion.

The teaching team consisted of Anna Stranks, Jordan Fang, Scott Brewster and cultural collaboration with architectural firm Consolidated Consultant in Amman, Jordan.



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INTERIOR DESIGN STUDENTS HOST CONFERENCE

The end of March saw the BA Interior Design program host a mini conference with a strong EDI focus, for both the second year and fourth year cohorts, as part of the professional practices strain of the program.

Organized by Professor Órla Keane, there were several speakers invited to give virtual and in-person presentations. Students were introduced to representatives from the main representational body for interior designers of Ontario, ARIDO and Sandra Noble gave the students an in-depth presentation on the benefits of becoming both a student member and professional member of the ARIDO Network.



Trevor Kruse from Interior Designers of Canada (IDC) also provided keen insights on how designers are protected and supported across Canada.

Russell Pollard, from Framework Leadership, focused on the graduate experience. He shared key learnings on equity diversity and inclusion in the workplace, what to expect when you enter the workforce, and where to look for support.

The afternoon session saw a more professional industry focus, with two notable interior designers presenting their journeys to the students.

Michael London, a notable Humber Alumni and prestigious condominium interior design guru, joined us on behalf of BAIDA (Black Architects and Interior Designers of Canada). Omo Iserhein, a graduate from the BA Interior Design program at Toronto Metropolitan University, shared her journey as a young black graduate navigating the design industry.

Both Omo and Michael spent time afterwards with the students and gave them feedback on their portfolios.



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SUSTAINABLE ENERGY AND BUILDING TECHNOLOGY STUDENTS FLICK THE SWITCH FOR THE CLIMATE

SWITCH is a bold infrastructure project that is modernizing the heating and cooling system at the North Campus and is instrumental in helping Humber reach net zero by 2050. The project is expected to reduce natural gas use at the North Campus by 70%, and will lead to a 30% reduction in the college's overall greenhouse gas (GHG) emissions.

FAST Sustainable Energy and Building Technology (SEBT) students recently toured the central plant and learned more about SWITCH from the contractor team, Ecosystem, who are working on the project.

Graduating SEBT students, Julia Myrda and Andy Valencia, who have worked with Ecosystem, presented their capstone project based on SWITCH. They developed a project schedule, budget, and chose machinery according to the real-life project taking place at the North Campus.

Our SEBT students have participated in capstone projects connected to Humber's Integrated Energy Master Plan (IEMP) projects since it launched in 2015. The academic engagement priority of the IEMP means that all future RFP's ask the designers/consultants/contractors to support academic engagement through capstones, tours, guest lectures and WIL opportunities.

Spencer, Aman and the Humber Capital Development and Facilities Management (CDFM) team have employed SEBT students for WIL Co-op work terms and supported student engagement on:

- J-Link to LRC
- N-Building retrofit
- NX Deep Energy Retrofit
- SWITCH steam to hot water conversion project

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



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BACHELOR OF INDUSTRIAL DESIGN STUDENTS PARTICIPATE IN BRP INTERNATIONAL DESIGN COMPETITION

BY PROFESSOR CATHERINE CHONG AND PROFESSOR KEN CUMMINGS

The Industrial Design program was invited to return and participate in the BRP (Bombardier Recreational Products) International Design Competition!

Headquartered in Quebec, BRP Inc. is a global leader in the world of powersports products, propulsion systems and boats.

Humber Bachelor of Industrial Design was one of six participating design institutions in North America and Europe. Students received on-site constructive feedback from BRP's design team during the semester, offering a real-life learning environment. The BRP design team shared professional experience, branding and time in facilitating our students' portfolio development.

This design project was led by Professors Catherine Chong and Ken Cummings, with technical support from graduate, Dylan Torraville, forming a synergy group of year 3 and year 4 students from Product and Transportation Design. This created a cross-disciplinary learning environment, where students were able to learn from each other and share resources.



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The project focused on developing innovative solutions in alternative electric powered vehicles to meet high environmental goals and the lifestyle of urban and suburban consumers. BRP's project brief called for "An alternative personal transportation device, capable of accommodating an occasional passenger and offering storage space for daily needs. The product has to facilitate access to and from cities, in a safe and sustainable manner, endorsed by the World Design Organization, as participants are challenged to consider and incorporate some of the United Nations' Sustainable Development Goals in their concepts."

The design goal was a sustainable mobility solution to reduce the environmental footprint in year 2035. Students had the opportunity to develop a forward-thinking design concept that applies and assimilates challenging winter conditions north of 45th/50th parallel and addresses a mobility problem in these harsh winter climates. Students' designs embraced the sustainable mobility solution's strategy by using sustainable materials and green manufacturing. They also reflected advances such as: new trends and ways of moving people, health/safety benefits of a heated cabin and snow-travel capability, improved functionality and better user-experience through human-centred design.

Two Humber students, Ricky Saluja and Carlie Besser, were finalists selected to present their designs to a panel of judges, at the Arctic Design Week held in Rovaniemi, Finland, in March 2023!

Chaperoned by Professor Catherine Chong and hosted by Denys Lapointe and his team, the weeklong forum, which was celebrating its 15th anniversary under the theme *Better Future with Arctic Smartness*. *Arctic Design Week* promotes northern design expertise and business while inspiring designers, students, scientists and artists from around the globe.

This has been an incredibly rewarding journey in forging a positive working relationship with BRP. The students had an amazing experience connecting with the international design community. BRP has been a great host in organizing an unforgettable Lynx ride allowing the participants to experience riding through the frozen river and snow forest and crossing the Arctic Circle.

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The outcome through this design journey and attending the event in Rovaniemi, Finland, resulted in BRP offering an internship to Carlie Besser. She will continue her learning in Valcourt, Quebec and will acquire many new skills and make lots of career-enhancing contacts. In addition, BRP in Sophia Antipolis in the South of France, has reached out to Ricky Saluja for further discussions about his portfolio and possibility of employment.

This concluded a successful design journey through an exclusive design project, attending the Arctic Design Week, and creating an awe-inspiring learning experience.



“My biggest takeaway from this trip to Finland and the opportunity to participate in this international design competition is being offered an internship at BRP! As Industrial Design students we are capable of achieving great success in our careers anywhere in the world. Our education at Humber College in the Bachelor of Industrial Design program provides us with an incredible foundation about design and allows us to use skills learned in school to advance our learning even further on our own.”

Carlie Besser

Third Year Student, Bachelor of Industrial Design
Recipient of BRP Internship



“The BRP project has been one of the most important parts of my career development on a personal and professional level. The amount of work we put in during the 14 weeks of development was crazy but it was well worth it. It was important to acquire these skills to accomplish a difficult task while doing my thesis, but I wouldn't trade that experience for anything because the amount of learning I gained was worth so much more.”

Ricky Saluja

Fourth Year Student, Bachelor of Industrial Design

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HOME SWEET HUMBER

SPRING OPEN HOUSE

We opened our doors to welcome the next generation of Humber students at our Spring 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.

HGTV Canada's Kate Campbell stopped by Carrier Drive where she shared how she built her business, her love for skilled trades & demonstrated the latest DEWALT tools & technology at our Centre for Skilled Trades & Technology. She even pitched in to help build tree swallow birdhouses!



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SCHULICH BUILDERS SCHOLARSHIPS FOR SKILLED TRADES AT HUMBER COLLEGE

We rely on skilled trades to build and maintain the infrastructure of our cities and towns. Our challenge is not having enough of these talented people to meet the demands fueled by our growth.

Schulich Builders will combat the shortage of skilled trades professionals in Ontario and amplify their importance and value to our communities by awarding 100 annual scholarships to the most promising candidates.

Schulich Builders are scholarships for students enrolling in an eligible, full-time skilled trade program at a participating college in Ontario.

Humber College is proud to be part of the Schulich Builders Scholarship Program and will award 10 scholarships annually:

- Five for one-year certificate programs
- Five for two-year diploma programs

Valued at \$40,000 (\$20,000 per academic year), these scholarships support the costs of tuition, tools and living expenses. Humber College application deadline is May 14, 2023. Visit this [link for more information](#).





WIL SUCCESS SPOTLIGHT

FAST STUDENT RECIPIENT OF IGNITE GLOW SCHOLARSHIP

Afshan Ali

Computer Systems Technician Co-op program
Recipient of IGNITE GLOW Scholarship

Congratulations to Afshan Ali, Computer Systems Technician Co-op student who is the recipient of the IGNITE GLOW Scholarship. Created in 2021-22, the scholarship was created with the goal to Give Learners Opportunities to Work. This annual scholarship recognizes 13 students who participate in work-integrated learning opportunities (co-op, internships, etc.) which contribute to community development and outreach.

Tell us about yourself and why you chose your program of study?

My name is Afshan Ali and I came to Canada in Fall 2021. So far, it's been a really nice experience being here, meeting new people and embracing a new culture. I am enrolled in the Computer Systems Technician (Co-op) program and have appeared on the Dean's List for the last 3 semesters. Winter 2023 gave a new pathway/opportunity to my career as I found a co-op job.

There are a couple of reasons behind choosing this program. The very first reason is my keen interest in continuously evolving technology therefore, I want to pursue a career in the IT industry. It's a fun-loving field for me as it gives me a broad view of how different networks are connected to ensure accurate communication, file sharing, etc. Another wonderful reason is that this program typically provide hands-on training in computer hardware and software. Such learning is preferred by me as it allows me to gain practical experience and enhance my skills. In these digital literacy days there is a high demand for skilled technicians who can install, maintain and troubleshoot computer systems. All the essential skills and training to work in this field is covered by the courses in this program and finally, this program can provide a pathway for career advancement and can offer a good job.

What are your future aspirations and how has your WIL experience prepared you for the next steps on your journey?

I did my co-op placement with Humber's IT department and was located at the International Graduate School (IGS). As an End Point Technician, I got involved in a range of activities. I assisted users with connecting to Wi-fi, supported MAC, Windows, Linux and Android devices, performed daily classroom checks and AV maintenance, and looked after inventory, equipment disinfecting, digital signage and tickets.

Work-Integrated Learning gave me an opportunity to experience a real-life industry environment and learning teamwork, time management and client requirements. My future aspirations are to gain expertise in Network-Engineering. There are so many emerging technologies these days such as 5G, edge computing, and software-defined networking, cloud, etc. Mastering all these new technologies helps in career advancement.

As an international student building up my career and doing co-op simultaneously with studies has enabled me to apply the skills and knowledge in an actual work environment to solve real world problems, adapt to the requirements of the workplace, collaborate with others, and expand my awareness of the realities of my chosen field.





PEOPLE OF CARRIER DRIVE

Centre for Skilled Trades donates new tree swallow nests to Lakeshore community

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

Friends of Sam Smith (FOSS) approached Carrier Drive to assist in restoring the tree swallow population. This project goes beyond restoring the environment, because it is also about preserving the wetlands and naturalized park for future generations to enjoy. Terry Smith, FOSS Founder, says “Gardens are a luxury now, which is why parks are so important. Colonel Samuel Smith Park continues to be a healing space for resident.”

“It is about giving back to the community and understanding everyone needs a little support at times,” said Michael Auchincloss, Associate Dean at the Centre for Skilled Trades. The project is near and dear to him as conservation is a personal value. The tree-swallow birdhouse has been designed to be quickly produced at a limited cost to allow for future projects.

It was a collaborative effort involving staff from different departments to step out of their comfort zone and pitch in to help complete this project. It started with Michael working closely with Terry to design the perfect nest for the bird to safely raise their young ones during the liveliness of spring.

Then technicians Olivia Barrow, Allen Ramsden, James Passafiume, Ryan Smith, Antonio Marin and Tyler Levasseur began working on bringing the 2-dimension design to life with their carpentry and welding knowledge and skills, while others provide support where needed.

Olivia, a welding technician said she had fun working collaboratively, but she had to quickly learn construction tools to aid the nest building process. Allen, Ryan and Antonio learned the techniques and overcame challenges when handling the branding iron. “You have to get the entire emblem red hot, and you have to be quick because the other side would have cooled down once you align one side of it,” said Allen, and Ryan added “Some woods are damp, so they weren’t adhering properly. We had to heat up the branding logo more to have consistent design.”

FOSS invites everyone to attend the Spring Bird Festival on Saturday, May 27, 2023 from 10 a.m. to 2 p.m. at the park to discover the beauty of nature and its inhabitants.



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FAST MILESTONES

Congratulations to the following FAST member who is celebrating a Career Milestone in May! We truly appreciate your contributions to the Humber FAST community and congratulate you on reaching this important milestone!

40 year David Patrickson

WITH THANKS

Martine Spinks has elected to leave her role as Associate Dean, Design and Built Environment, in order to scale back and focus on priorities related to her family.

During her time here at Humber, Martine has made numerous contributions within FAST including: launching the new Bachelor of Engineering: Built Environment and establishing a process of curriculum development and accreditation in conjunction with the CEAB; supporting the successful application of the Mobilize grant; opening the renewed Design Centre; and creating international learning opportunities for both students and faculty.

Martine sat on several external and Humber committees, including Humber's EDI Taskforce, establishing the FAST IDEAS Committee, and has worked tirelessly to support engagement of EDI and sustainability agendas within curriculum.

Martine has left her mark at Humber FAST while sharing her passion for sustainable, inclusive built environments. We extend our deep appreciation to Martine and wish her well. Her last day at Humber is June 2nd.

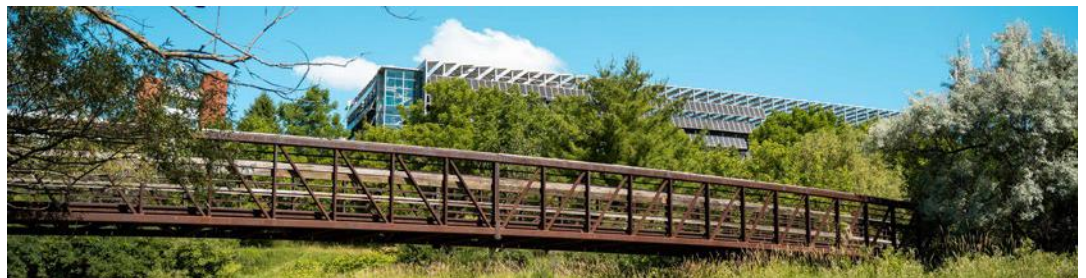


UPCOMING EVENTS

MAY 22





Victoria Day

Campus is closed



WE WANT TO HEAR FROM YOU!

FAST TIMES 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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