



FAST News

OCTOBER 2022

DEAN'S MESSAGE

Dear Colleagues,

While Autumn welcomes a golden landscape of colour, the season also represents change – the changing of the leaves, the start of a new school year and the everlasting promise of new blooms to come. While this colourful transition is an expected annual tradition, it's still an adjustment as this time of year feels like a fresh new start as our new realities shift and give way to transformation and then settle into new routines.

This includes our community coming together on September 30th to commemorate National Day of Truth and Reconciliation. The FAST community is committed to listen; reflect; and remember while creating a path toward transformative learning. Because Every Child Matters.

Our students are at the heart of our community and literally coming out of the woodwork to showcase their talent and skills. In this issue, we celebrate the incredible achievements of our students including our learners who unveiled their stunning works of art at the Industrial Woodworking & Cabinet Making Showcase! Their creations took pride of place at a recent showcase where family, friends and industry had the opportunity to interact with these talented makers.

[Continue reading on next page.](#)

**WE ARE
FUTURE FOCUSED**

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Our Industrial Design students have been bringing home the hardware claiming awards from the ACIDO Rocket Show 2022 Design Awards, the Canadian Tire Bluehive Industrial Design Competition, and the inaugural Project Arrow National Annual Mobility Design Competition where a team of FAST students claimed first place for designing a fully electric, autonomous vehicle specifically for Canadians with disabilities.

Our students are destined to change the future. As our green landscape changes to become a wash of red, orange and yellow, I encourage you to unlock new opportunities and gain inspiration from our students and the great outdoors. Exploring nature's palette as it begins to transform throughout the Arboretum is a wonderful environment to invigorate ideas that spark bold conversations to inspire positive change.

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

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EVERY CHILD MATTERS

On September 30, Humber FAST gathered to listen. Reflect. Remember.

This year, FAST purchased orange shirts from Resist Clothing Co., a 100% native owned business that support authentic Native-made designs. Ethically sourced, sustainably printed and shipped from within Turtle Island, proceeds from the t-shirts will be donated to the Indian Residential School Survivors Society (IRSSS.CA).

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.



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GRADUATES COME OUT OF THE WOODWORK TO SHOWCASE STUNNING WORKS OF ART

Our students unveiled their stunning works of art at the Industrial Woodworking & Cabinet Making Showcase!

Graduates applied their skills & talent to work with the natural beauty of wood and create these beautiful & unique pieces of furniture. Their creations took pride of place at the showcase where family, friends and industry had the opportunity to interact with these talented makers.

A special shout out to our dedicated faculty & staff who play a key role in the journey of learning and discovery!



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INDUSTRIAL DESIGN STUDENTS BRING HOME ACIDO ROCKET SHOW 2022 DESIGN AWARDS

Two Humber FAST Industrial Design graduates are the recipients of the Association of Chartered Industrial Designers of Ontario (ACIDO) Rocket Show 2022 Design Awards!

Health and Wellness Award:

Project “STRATUS” by Han Yang

A home-care assisting device that combines a mobility wheelchair for people with obesity and a workstation for their personal support workers (PSWs).

Product Foresight Award:

Project “KICKO” by Kyeong Hoon Kim

A convenient and hygienic public electric scooter solution.

Celebrating its 20th year, ACIDO hosts “Rocket” – a competition for Ontario’s graduating industrial designers. Graduates nominated at the top of their class from Carleton University, Humber College, OCAD University, and Sheridan College have the opportunity to pitch their final year thesis projects to a jury of select industry professionals.

The winners of 2022 Rocket awards are granted to projects that represent the best in show. The winners impressed the design jury through their design process including project definition, design research, concept development, implementation, final prototype, graphic presentation, and verbal pitches.

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

Congratulations to Han Yang, Kyeong Hoon Kim & all finalists!



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WHERE INDUSTRY MEETS GRADUATES AT THE IN-PERSON CO-OP CAREER FAIR

The in-person celebrations continue! In July, the Co-op & Work Placement Services office hosted its first in-person career fair since the pandemic. The event was held to support the co-op students in the Advanced Manufacturing cluster (Electrical, Electromechanical, Mechanical and Computer Engineering Technology) looking for co-op placements in Fall 2022 (4 months) and Fall 2022/Winter 2023 (8 months).

“The event exceeded all expectations. What started off as a small networking event turned into a career fair with more than 15 employers” said Janice Wojcik, Manager of Work-Integrated Learning. “Not only were employers excited to come on-campus, they were also very keen to recruit co-op students. As several employers put it, co-op allows them to identify individuals who fit in and enables students to evaluate them as a future employer. So when employers look for full-time people, hiring a graduate who wants to work for them and who brings co-op experience in their operation makes for a win/win all round!”

Participating employers included: 407 ETR, Exact Technology, Honda Canada Manufacturing, Linamar, Magna Autosystems, Magna Co-Ex Tec, Magna Dortec, Magna Massiv Automated Systems, Magna Modatek Systems, Magna Techform, Matcor Metal Fabrication, Multimatic, OACETT, Pepperl+Fuchs, Polytainers and StackTeck Systems Ltd.





WIL SUCCESS SPOTLIGHT



NAME:

Ashley Lemagueresse

PROGRAM OF STUDY:

Electronics Engineering
Technology, Co-op

WORK PLACEMENT:

Innovation, Science and Economic
Development Canada (ISED)

WHERE DID YOU DO YOUR CO-OP WORK TERM(S)?

I completed two co-op summer work terms at Innovation, Science and Economic Development Canada, also referred to as ISED. ISED is part of the Government of Canada, with a focus on identifying, creating and supporting innovative initiatives that impact Canadians and Canadian businesses.

WHAT DID YOU DO DURING YOUR CO-OP EXPERIENCE?

During co-op I had the opportunity to learn new software to process client applications, as well as test and learn more about equipment, such as a Direction Finder and a Spectrum Analyzer. I also had the opportunity to work on some projects. I aided in the creation of a tool to test for antenna patterns in different spectrum band plans, and contributed to another project to help identify intermodulation products.

WHAT WERE SOME OF THE MOST IMPORTANT THINGS YOU LEARNED DURING YOUR CO-OP EXPERIENCE?

An important thing I learned during my placement was the importance of communication. Working remotely, I found it very important to communicate with my supervisors to ensure that I was getting the full co-op experience. In doing so, I was able to strengthen this skill through writing formal emails and participating in meetings. I also learned that the hard work you put into securing a co-op placement doesn't end when you get the job. It is important to continue to show initiative and work hard. Whether that be through asking questions or through the work you do, I feel it's up to students to learn as much as they can especially since the co-op positions directly align with their field of study. My co-op allowed me to apply the skills and knowledge I learned at Humber in a practical manner. My goal is to continue to work for ISED once I graduate from the Electronics Engineering Technology Co-op program.

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INTERIOR DESIGN CLASS OF 2022 GAINS INDUSTRY RECOGNITION

The 2022 graduating class of the Bachelor of Interior Design focused on the creation and design of unforgettable spaces that will REFORM the world of design. They are the future and we are honoured the Association of Registered Interior Designers of Ontario (ARIDO) - the largest professional group of Interior Designers provincially - celebrated the Class of 2022 from Ontario ARIDO-recognized schools.

District Social by Alexa Krutzler: a members-only club that caters to the Film, Music and Audio Entertainment Industries

The Unwind Spot by Amanda Coulston: a student commons facility to enhance productivity and well-being for undergraduate and postgraduate students

Revive Living by Rebekah Awad: a co-living residence for able-bodied seniors to live in a like-minded community

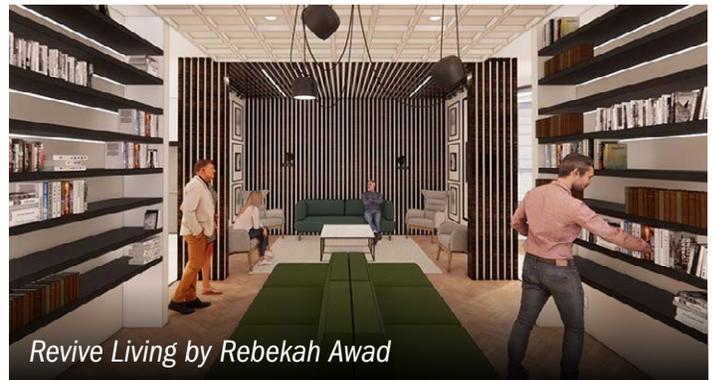
The Royal Tree Boutique Hotel by Natalia Kirio: a hospitality space centered around biophilic design

Care Support by Brittni Romain: a well-being centre where guests are immersed in a wellness experience to promote their health and well-being

Full feature story available [here](#).



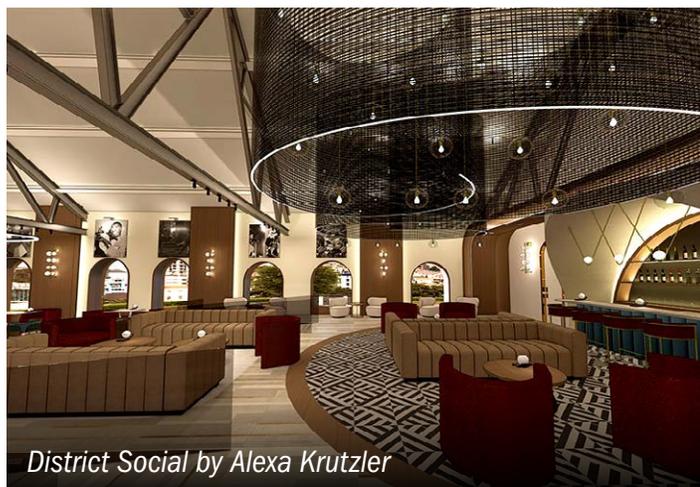
The Unwind Spot by Amanda Coulston



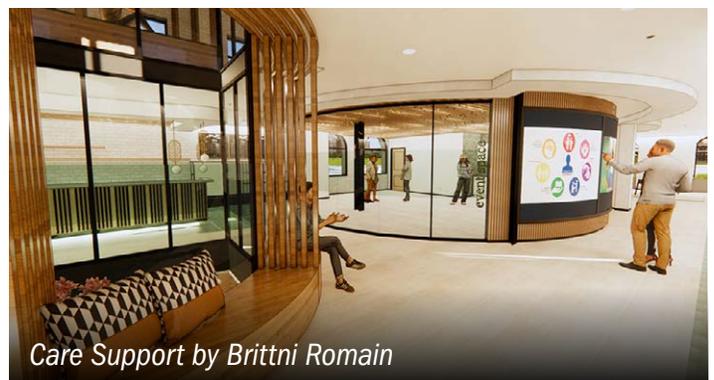
Revive Living by Rebekah Awad



The Royal Tree Boutique Hotel by Natalia Kirio



District Social by Alexa Krutzler



Care Support by Brittni Romain



INDUSTRIAL DESIGN STUDENTS WIN FIRST PLACE IN CANADIAN TIRE BLUEHIVE INDUSTRIAL DESIGN COMPETITION

A pair of Humber College students claimed first place in a design competition with a device that encourages children to get active when their smartphone or tablet is charging.

Congratulations to industrial design students Charlotte Watkins & Thomas Ferreira who won first place in the Canadian Tire Bluehive Industrial Design Competition!

The team designed Home Interactive and Virtual Exercise (H.I.V.E.) to help entertain & engage children to stay active. H.I.V.E. focuses on the downtime in a child's day after their device has run out of battery life or they have reached their device use limit. The device will only charge while the children are interacting with the robot, teaching kids about reward systems and giving them the freedom to pick their activity.

Read the Humber Today feature story [here](#).



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EMPOWERING ADOLESCENT GIRLS IN AFRICA

Humber College is leading an initiative to implement gender-responsive training and support adolescent girls in Kenya and Ethiopia to pursue studies and careers in science, technology, engineering and mathematics (STEM).

The STEM Education for Empowerment Project (STEEP) aims to help more than 35,000 adolescent girls (aged 14-18) over the next four years through secondary schools and community centres in the East African countries. STEEP is funded through a contribution from the Government of Canada through Global Affairs Canada, and a matching contribution from The Barrett Family Foundation, totaling \$4 million.

Many components of this upcoming project have been inspired by the work that FAST is currently undertaking at Humber. Our faculty members will continue to provide subject matter expertise and support as this important initiative rolls out over the next four years.

Full feature story available [here](#).



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HUMBER FAST INVITED TO PARTICIPATE IN THE ENGINEERING CONFERENCE

The Ontario Society of Professional Engineers (OSPE) is hosting The Engineering Conference – Canada’s largest engineering, diversity and recruitment event. The one-day hybrid conference on November 3 in Ottawa 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.

Our three new engineering degrees in Information Systems Engineering, Mechatronics & Built Environment unlock limitless opportunities for graduates to embark on promising engineering careers. The Engineering Conference provides an excellent opportunity to educate and inform Canada’s engineering industry about how we are ‘engineering dream careers.’

Humber FAST is invited to participate as a panel partner and share our insights in one of the conference’s four equity, diversity and inclusion panels. The conference will provide an opportunity for delegates to:

- 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

For more information about the Conference, including how to register, please visit www.engineeringconference.ca.

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2022**

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CONFERENCE**

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PROFESSIONAL
ENGINEERS



PEOPLE OF CARRIER DRIVE

THE GRASSHOPPER FINDING HIS SUCCESS AND LEAVING HIS OWN LEGACY

By: Cindy Giang

Program of Study: Bachelor of Public Relations

Work Study: Centre for Skilled Trades & Technology, Carrier Drive

“The master had a pebble and the grasshopper’s job was to take the pebble out of the hand before he closed it. When you can take the pebble, then you have made it,” said Marc Guay as he refers to himself as the grasshopper and the master as his dad.

Marc Guay is the program coordinator for the construction boilermaker apprenticeship program at Humber College and has been a boilermaker for over 40 years. Therefore, the real question is, has he mastered his own craft?

“I don’t know if I surpassed my dad, but I do my best,” said Marc. Marc is from Winnipeg but having a boilermaker dad meant they travelled across Canada and to the United States for his work. He took the Jackson Vocational Interest Survey. The boilermaker profession was on his top-ten career and being a priest was his second option. He did not end up becoming a priest, but he worked on a nuclear plant that was as tall as an apartment building. His dad became his best friend and his partner working side by side. Marc remembers coming up with ideas for a problem, and his dad guiding him to find better solutions.

The boilermaker profession has a lot of diversity within the work and among the people. Marc would compare it to building a car’s engine block, which is a system that converts fuel to motion. The community is so small that journeymen have the chance to undertake various tasks while on the job. They can be welders today and operate a crane the next.



Marc advises future tradespeople to research their work environment before entering their chosen trade. Marc understands starting a new chapter is scary, but to trust the process. Switching from being a journeyman to an instructor was scary for him because apprentices cannot see results right away in a classroom setting and theory does not always work in practice. Regardless, Marc enjoys teaching because he gets to encourage everyone to pass on their knowledge to the next person, which helps cultivate a better boilermaker community where everyone can succeed.

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FAST MILESTONES

Congratulations to the following faculty and staff who are celebrating a Career Milestone in October! We truly appreciate your contributions to the Humber FAST community and congratulate you on reaching this important milestone!

10 Years - Julie Pasquin

25 Years - Ennio Firmani



UPCOMING EVENTS

October 10

Thanksgiving - *Campus is closed*

October 20

Ontario College Fair

October 24-28

Fall reading week - *no classes*
Campus remains open

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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)

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

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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!