



HUMBER

Faculty of Applied Sciences & Technology

FAST News

DECEMBER 2021

DEAN'S MESSAGE

Dear Colleagues,

We are unlimited. Recently, we offered #UnlimitedHumberGratitude to all our donors whose contributions make a positive impact to support Humber FAST students and help them reach their potential.

Together, we are helping to create an unlimited future for Humber students and ignite discovery and innovation.

We are setting the stage for a future full of limitless potential and success for our students and I appreciate your contributions to our students and their journey of possibilities.

Our Interior Design and Industrial Design students have demonstrated their limitless potential with interior designs that imagine the indigenous classroom in Humber's Cultural Hub at Lakeshore campus and industrial designs applying the global standard for products that are safe, circular and responsibly made. They are awe-inspiring!

[Continue reading on next page.](#)

**WE ARE
FUTURE FOCUSED**

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Our Continuous Professional Learning team explored the limitless opportunities for an industry collaboration to cultivate a custom robot automations course for Magna that combined theoretical and practical hands-on learning.

While there is still much work to be done, our community is committed to providing a learning, working and living environment that recognizes and values equity, diversity and inclusion. Overcoming the barriers set to prevent access to advancement continues and I hope you will applaud Dr. Maryam Davoudpour when you read how she smashed the glass ceiling at the IEEE Toronto chapter and is an excellent role model for young female engineers!

This month's Work-Integrated Learning Success Spotlight profiles Jonatan Penado Vasquez and his Co-op placement where he unleashed his unlimited potential and developed a concept package for a theme park in China!

The transition from the fall to winter academic term always makes me reflect on how proud I am of our Humber FAST community. I am energized with the anticipated return of life on campus next term as we find a balance to come together to work, play and live in our Humber community and achieve harmony in our delivery mode.

As we approach the holiday break, I encourage you to take the time to rest, recharge 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 2022!

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

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HCH INDIGENOUS CLASSROOM IDEAS COMPETITION

Our 4th year Bachelor of Interior Design students participated in an IDEAS Competition to imagine the indigenous classroom in Humber's Cultural Hub at Lakeshore campus!

Sponsored by Diamond Schmitt Architects, this Fall 2021 competition engaged project architects and designers as well as input from Jason Seright and Nahanee Shuitemaker from Humber Indigenous Education and Engagement.

This competition truly embraced our campus as a Living Lab and showcased our commitment to indigenizing our curriculum in our interior design program while collaborating with industry partners. The submissions demonstrated exploration, thoughtfulness and ingenuity. Congratulations to the following winners!



First Place

Natasha Di Paola and Vanessa Di Paola



Second Place

Danielle Fernandes



Third Place

Daorsa Kergeli and Sophia Cox

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INDUSTRIAL DESIGN STUDENTS DESIGN WITH GLOBAL STANDARDS

How we design and make products today shapes the world we will inhabit tomorrow.

Cradle to Cradle Certified® is the global standard for products that are safe, circular and responsibly made.

Leading brands, retailers, designers and manufacturers across the value chain rely on the Cradle to Cradle Certified Product Standard to ensure the impact of their products on people and the planet is a positive one.

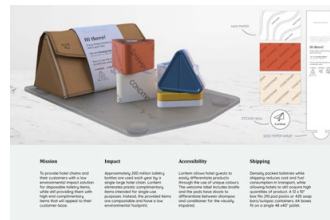
Our Industrial Design students participated in a 3rd year Studio Design project that applied this gold standard to innovate and optimize materials and products according to the world's most advanced science-based measures. These projects showcase how Industrial Design can help find solutions to the challenges of the future.

Participating students were required to identify appropriate topics, materials, and designs and flush out a business and Cradle to Cradle material reutilization cycle.

Loritem

A rapidly-renewable and sustainable system of toiletries designed for 4-5 star hotels.

Alec Freda, Alex Moon, Melissa Stocco



Greenaways

A single-use biodegradable take-out food container manufactured in four standard sizes (family, meal, snack and sides).

Hannah Dumancas, Catriona Mackenzie-Bird, Annie Yu



SOMM

A mascara consisting of almost entirely recyclable and reusable materials for the cosmetic industry that contributes to mass waste consumption and single use products.

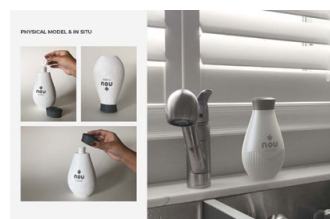
James Alas, Oleksii Babii, Charlotte Watkins



Nou

An eco-friendly solution to kitchen dish soap with the potential to eliminate 700 million plastic bottles each year.

Sebastian Krnic, Thomas Purchase, Mary-Beth Scully



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ENGAGING HIGH SCHOOL STUDENTS TO DIG IN!

Dual credit courses with high school students are an important initiative to engage students in the types of learning they can expect from college and is also useful in recruiting into our FAST programs.

Matt Robertson, President of Verdant Landscape & Design and Humber FAST faculty, teaches our Sustainable Horticultural Practices course – a very hands on course that engages high school students to literally, dig in, and consider exploring a career in horticulture!

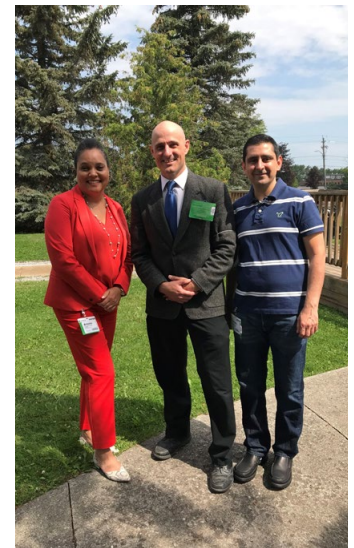


INDUSTRY COLLABORATION: HUMBER FAST CONTINUOUS PROFESSIONAL LEARNING CULTIVATES CUSTOM ROBOT AUTOMATIONS COURSE FOR MAGNA

Advancements in technology have a transformative impact on industries, driving the need to build a strong skilled workforce. While investing in higher education-industry collaboration is vital to producing the workforce of the future, similarly companies are committed to employee development to ensure the adult workforce remains engaged in their professional growth and motivated to expand their skill set in a world of constant change.

Magna recognized this need when one of their divisions amassed a total of 12 robot cells with only one automation engineer to service them within their maintenance team. The remainder of the maintenance staff – the electrician team – required additional skills and knowledge to service these robots.

Magna was challenged to find a training provider that could ensure that this team could meet the company's training objectives in a timely manner. Read this [feature article](#) to learn more about how FAST Continuous Professional Learning (CPL) created a custom training program that combined theoretical and practical hands-on learning to expand the team's knowledge and develop a unique set of skills to trouble shoot and resolve level 1 robot automation issues



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DR. IRAVANI & MR. SADAT-NEJAD RECIPIENTS OF NSERC ENGAGE GRANT

We are pleased to announce that Dr. Mehrdad Iravani and Mr. Younes Sadat-Nejad received Natural Sciences and Engineering Research Council of Canada (NSERC) Engage Grant Funding for their proposal “Robotic Painting Arm Development” with industrial partner Mechatronic Diagnostics Ltd.

Please join us in congratulating Iravani and Younes and wish them the best of luck with their applied research initiatives!



Dr. Mehrdad Iravani



Mr. Younes Sadat-Nejad

DR. MARYAM DAVOUDPOUR ELECTED NEW CHAIR, 2022 IEEE TORONTO

It is with great pride to announce that Dr. Maryam Davoudpour has been elected the new Chair of IEEE Toronto. Additionally, she has broken the glass ceiling as the FIRST female Chair since the Toronto chapter was founded in 1903.

The world's largest technical professional organization for the advancement of technology, IEEE Toronto is a community of more than 4,000 electrical and computer engineering professionals with student branches at educational institutions including Humber College.

Please join us in congratulating Maryam on her incredible accomplishment!

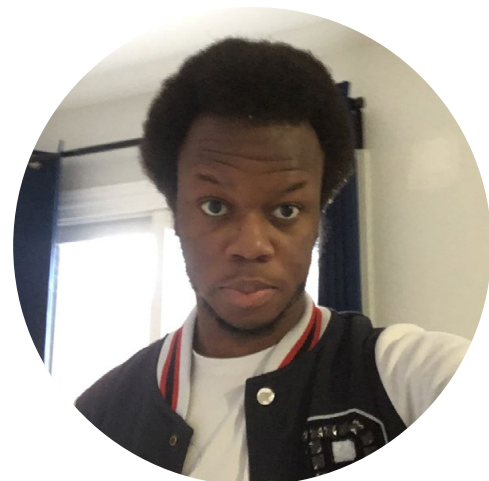


HUMBER STUDENT RECIPIENT OF IEEE TORONTO SECTION SCHOLARSHIP

In recognition of his academic achievement, we are pleased to announce Humber FAST student, Daniel Moses is the recipient of the IEEE Toronto Section Scholarship!

Past recipient of the Barrett Family Foundation Leadership Scholarship, Daniel is striving to earn his PhD to gain deeper insights, keep his feet on the ground and continue to cut copper tapes into higher frequencies!

Please join us in congratulating Daniel!



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HUMBER INTERIOR DESIGN ALUMNI NOMINATED FOR PAVE 2021 RISING STAR AWARD

Congratulations to Humber FAST Interior Design alumni, Aaron VandenHeuvel, Associate, CallisonRTKL, for his nomination as a 2021 Rising Star Finalist!

The award was created in 2007 to recognize the achievements of individuals who have demonstrated talent, vision, and implementation in the retail environments industry. These emerging leaders anticipate client needs, motivate a team, transform the simple into the extraordinary, and inspire the consumer.

Extending our sincere appreciation to professor Zaiba Mian for her leadership and representing Humber College as a Rising Star judge.

The award presentation and announcement will take place December 8 during the PAVE Holiday Celebration - Reimagining Retail with Kevin Roche in New York City.

[Read on for the complete list of finalists.](#)





BARRETT CENTRE FOR TECHNOLOGY INNOVATION

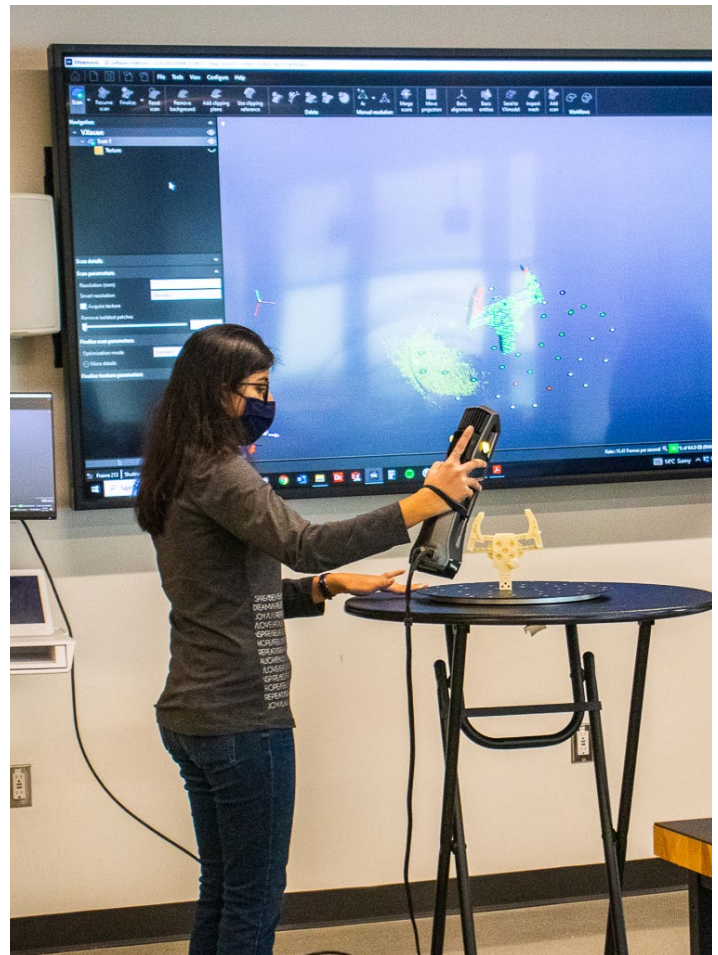
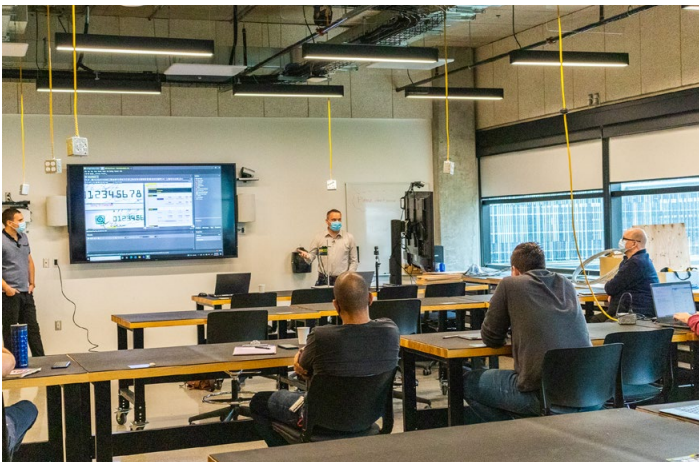
READING WEEK WORKSHOPS: 3D SCANNING WITH CREAFORM + DEEP LEARNING WITH VISION TECHNOLOGY WITH COGNEX

Barrett CTI hosted two workshops over the Fall Reading Week!

The first was a 3D Scanning Workshop using reverse engineering tools led by Brad Crozier from Creaform. Attendees experienced the Go!SCAN SPARK 3D scanner in action and Barrett CTI STEAM students were able to demo the scanner as well.

The second workshop was hosted by Matthew Ostaszewski (a former Humber Grad!) who now works at Cognex, and his colleague Kevin March who led us through an introduction to deep learning with machine vision, how the training process works as well as a live demonstration working with real world samples.

If you would like a recording of these workshops, please contact Elizabeth.Hibbert@humber.ca



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WIL SUCCESS SPOTLIGHT

Jonatan Penado Vasquez

Program of study: Bachelor of Interior Design, Co-op

Work Placement: FORREC

What did you do during your placement?

FORREC is an experience design company, involved in creating the world's top theme parks, visitor attractions and mixed use + entertainment destinations. During my time at FORREC, I developed a concept package and CAD package for a theme park located in China. This involved creating two separate narrative designs and background stories for a restaurant and retail space. I also had to develop a mood board, and select materials, furniture and light fixtures for each of the spaces. I provided updates of my progress at weekly meetings.

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

I valued all of the lessons FORREC has shared with me but the most important lessons that stand out were effective use of communication and peer support. When I had to present my ideas at the weekly meetings, I was aware of the challenge of conveying my design intent through an online forum. So to deliver a clear message, I had to use many software tools, conduct research, improve my web searching and use graphic illustration knowledge to convey my design intention to the team. By combining these skills, it allowed everyone to understand the direction of my design intent and an opportunity for others to provide constructive feedback.

Having peer support became important during my time with FORREC. Working with others motivated me to strive to be better and helped solve design challenges when I was faced with an obstacle. Also, my mentor provided many insights into navigating cultural barriers when designing and her experience starting out in the interior design industry.



What advice would you give to students participating in work placement?

Start early and research firms you would like to work for. Once you find your placement, take the time to learn from your mentor or co-workers. Don't be afraid to ask questions - this provides an opportunity for you to grow and expand your knowledge in this industry.

What advice would you give to students interested in pursuing a career in Interior Design?

I have two pieces of advice for students: Explore new places and manage your time well. When visiting new places, look around and try to understand what is being presented. Taking the time to pause and view the space provides an opportunity to expand your perspective and design knowledge. Time management is crucial because there is lots to learn and accomplish, while also trying to enjoy life!

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FAST MILESTONES

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

1 year Jessica Wainman

5 years Loriann Liorti

15 years Joseph Tombe



FACULTY OF APPLIED SCIENCES & TECHNOLOGY

UPCOMING EVENTS

DECEMBER 19

LAST DAY OF CLASSES

DECEMBER 24

HOLIDAY BREAK BEGINS – CAMPUS CLOSED

JANUARY 3

PUBLIC HOLIDAY (NEW YEAR'S DAY) – CAMPUS CLOSED

JANUARY 4

CAMPUS RE-OPENS

WISHING YOU A SAFE AND HEALTHY HOLIDAY SEASON!



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

Julie Pasquin
Office of the Senior Dean

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