



Hatfield  
Family Room



# The Power of Giving

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*On the cover: Lynda C. Hatfield with Evans Mosomi, Software Engineering, class of 2022, enjoying the piano in the Hatfield Family Room.*



# Message from the Chancellor

I'm grateful to all of you for supporting Ontario Tech University and our students. You have invested in the future, one that requires leaders, employees and entrepreneurs who will excel in an increasingly complex and digitized environment.

You donated to provide students with awards and special places for learning and collaboration, and you provided funds for our new building, Shawenjigewining Hall. Many of you also supported the Chancellor's Challenge last year. As a runner, I committed to running 7.2 kilometres daily for the four weeks leading up to March 14, Ontario Tech's annual Pi Day of Giving, as a way of supporting the Student Relief Fund. Why 7.2 kilometres? It's the distance between our north Oshawa and downtown Oshawa campus locations.

You inspired me with your willingness to support our students at a time when pandemic restrictions interfered with their opportunity to earn money to pay for tuition, rent or food. You responded and positively impacted the lives of many Ontario Tech students.

In 2022, we're turning the Chancellor's Challenge into a one-day event: a community walk/run. I'm hoping we can do this together, but if you'd prefer to participate in the challenge on your own, it's just as meaningful.

The 2022 Chancellor's Challenge will grow our community; it will be fun, inspiring and educational but, most importantly, it will provide much-needed assistance for our students. Every day, I am amazed by their drive, accomplishments and potential, and I want to support them in every way possible.

So, get ready to meet the challenge! I look forward to seeing you on Saturday, September 24 and joining the fun.



**Mitch Frazer**  
Chancellor



*Mitch Frazer, Chancellor, Ontario Tech University.*

# Estate of brilliant engineer supports Brilliant Energy Institute

Nicholas Nessim Sion's estate became a founding donor to Ontario Tech's Brilliant Energy Institute (BEI), helping to position the institute as a robust national research, data and innovation hub that will inform important energy decisions across Canada.

Nicholas was a long-time Ontario Power Generation employee and expert in nuclear energy and radiation protection. The \$3-million contribution from the estate will enable the creation of BEI's Nicholas Sion Brilliant Energy Laboratories as the hub for developing innovative, clean-energy technology.

"We are honoured to continue the legacy of Mr. Nicholas Sion," says Dr. Steven Murphy, Ontario Tech's President and Vice-Chancellor.

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**“ It is wonderful that his estate is supporting this university with its focus on energy and innovation, and an appreciation for Nick’s accomplishments. ”**

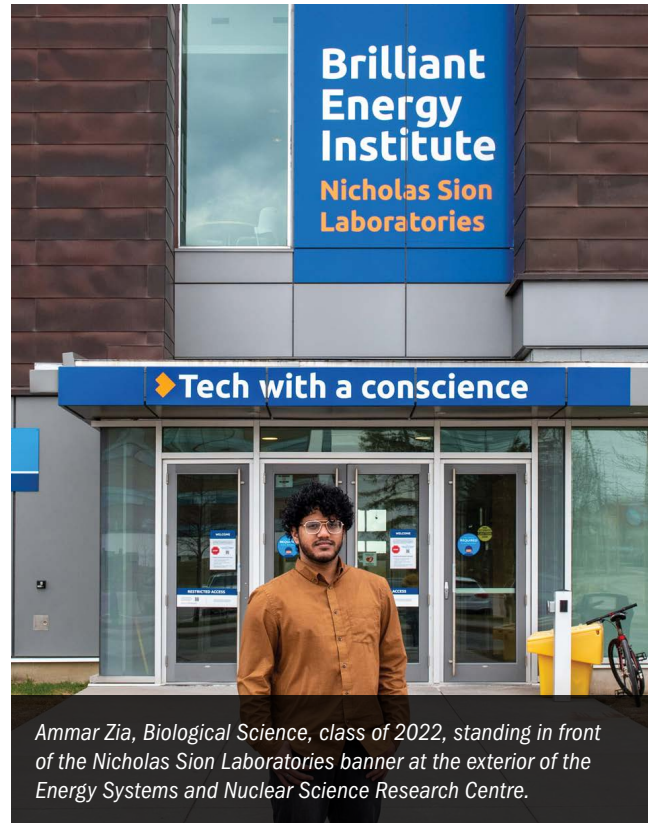
MARIA BEASLEY

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research, invention and problem-solving happens and the Nicholas Sion Brilliant Energy Laboratories will be a focal point for this innovation.”

Nicholas, who passed away in 2019, was a member of the Professional Engineers of Ontario and had a 30-year career with Ontario Power Generation in the areas of radiation monitoring instrumentation and reactor controls. His accomplishments included overseeing the refurbishment of the Darlington Nuclear Generating Station, leading the upgrade in stack monitoring at the Bruce Nuclear Generating Station (BNGS) and designing a nuclear decontamination laundry facility at BNGS.

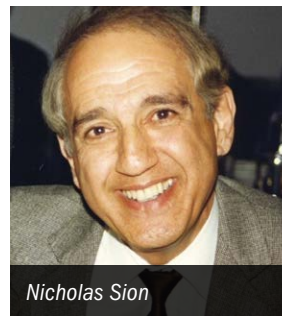
During his career, 34 of his scientific papers were published and four patents were approved or pending.



*Ammar Zia, Biological Science, class of 2022, standing in front of the Nicholas Sion Laboratories banner at the exterior of the Energy Systems and Nuclear Science Research Centre.*

Nicholas was committed to ensuring that safety was paramount at the nuclear facilities he regularly served. He was on the Council of the Canadian Nuclear Society and was Chair of their Medical Applications and Radiation Protection Division. He was a founding member of the Canadian Radiation Protection Association (CRPA) and the recipient of the CRPA Meritorious Service Award in 2012.

After his retirement, he remained active in the nuclear energy field and shared his expertise by visiting Ontario Tech to speak to students at the Faculty of Energy Systems and Nuclear Science Career Fair.



*Nicholas Sion*

“As a close friend of Nicholas Sion, his family and I are pleased to see his legacy will live on through the graduates of Ontario Tech University and the great work of the Nicholas Sion Brilliant Energy Laboratories,” says Maria Beasley. “It is wonderful that his estate is supporting this university with its focus on

energy and innovation, and an appreciation for Nick’s accomplishments.”

How wonderful to be remembered for sharing your passion and innovative mindset with others!



Dwight Thompson, Commerce, class of 2011.

## Young alum appreciates university’s impact

Only 11 years have gone by since Dwight Thompson’s graduation from Ontario Tech, and he has already established two bursaries at the university: one commemorating his grandfather, and the other in memory of his mother.

“Our heritage has an impact on our lives,” says Dwight, now Project Manager, Supply Chain for Shaw Communications in Calgary, Alberta.

**“ I believe you should look back at your alma mater, see how it set you on your life path, and forever be grateful and humble. ”**

DWIGHT THOMPSON

“We can make our legacy a lasting one by passing on that spirit to another’s life. My grandfather was a veteran of the Second World War who died in 1994 after living mostly in Durham Region. I can only imagine what he would have thought about having such a world-class institution nearly in his backyard. He was of Ojibway descent and very proud of his heritage. The Francis Lyle Somers Memorial Award is a way to honour him by assisting Indigenous students who are like him.”

After his mother passed away four years ago, Dwight created another award, the Joan Thompson Memorial Bursary, in her memory. The award is presented to a Nursing student, since his mother spent more than 40 years serving others in this profession.

“A lot of who I am—someone who cares for others and is generous—comes from my mother,” he says.

Although Dwight is straightforward about his generosity, it is unusual to find such a strong philanthropic streak in someone so young.

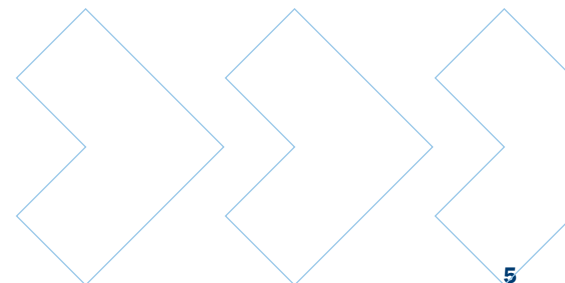
“There’s an end date in all of our lives, and we need to think about what we’re working toward,” he says. “Take time to think about what you want your legacy to be. I hope to inspire alumni and students to give back, not only financially, but with their time and energy.”

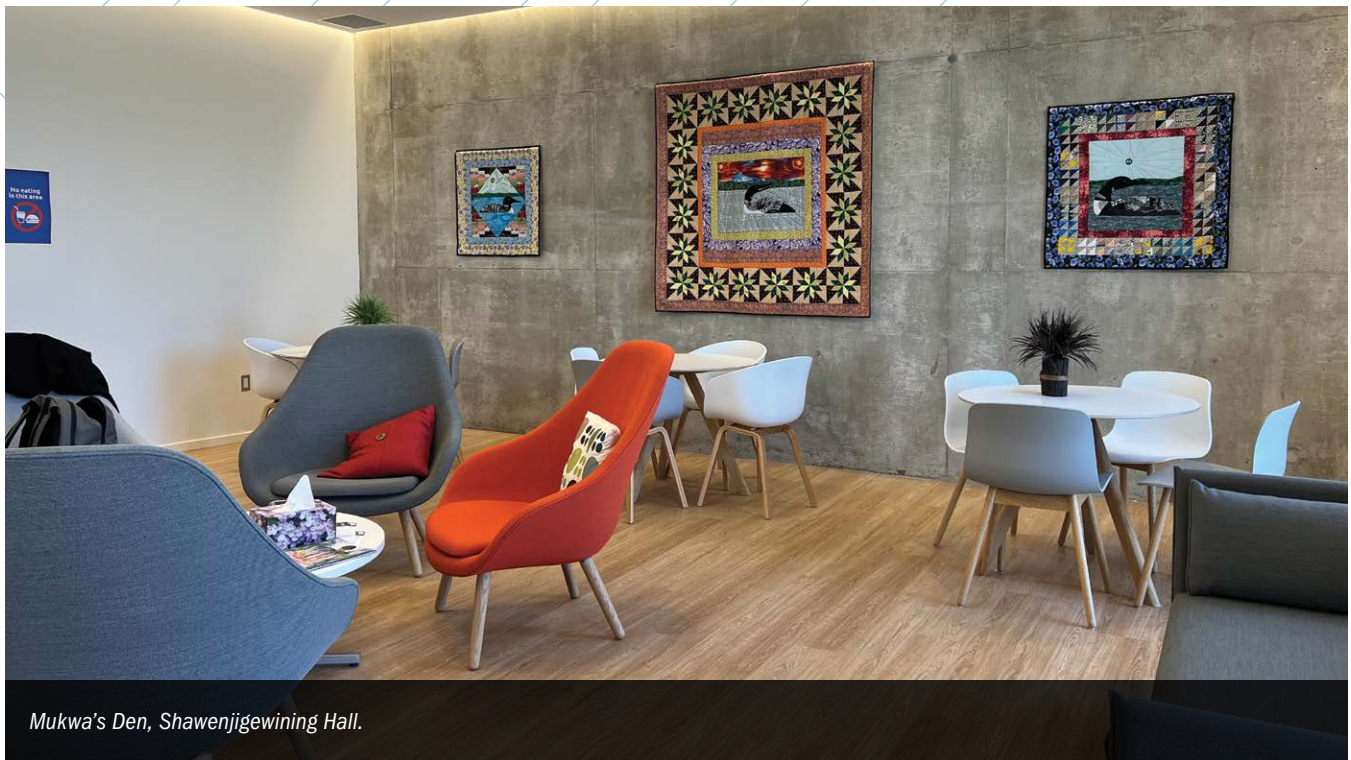
Dwight checks both of those boxes; not only has he established bursaries, but he also offers mentorship to current students on Ten Thousand Coffees, a networking and mentoring platform that matches alumni and students based on professional interests and goals. He also serves on the Friends of Ontario Tech Committee, focusing on strengthening the university’s community connections.



Dwight’s grandfather, Francis Lyle Somers.

“In a very freeing way, Ontario Tech opened doors for me and allowed me to find my communities,” he says. “I believe you should look back at your alma mater, see how it set you on your life path, and forever be grateful and humble.”





Mukwa's Den, Shawenjigewining Hall.

## Shawenjigewining Hall becomes student learning and collaboration hub

With the opening of Shawenjigewining Hall, Ontario Tech students now have a one-stop shop for student services, as well as study and relaxation spaces.

**“ We’re providing a holistic circle of care. ”**

MONICA JAIN

In Anishinaabe, the building's name means 'The Kind Place', and it offers increased student space and access to integrated services, all in a central location.

“It was designed to centralize services and it brings a whole community feel to the space,” says Monica Jain, Director of Careers, Counselling and Accessibility in Ontario Tech’s Office of Student Life.

Shawenjigewining Hall is home to the Faculty of Health Sciences, the Office of Student Life, Continuous Learning and the Ontario Tech Student Union. This new

building brings together mental health counselling, career counselling, academic tutoring, Indigenous services, accessibility services, equity services, mentoring programs, peer advising and student clubs. There are many open spaces for students to meet and collaborate for peer-to-peer support. The myriad of donors whose generosity helped build Shawenjigewining Hall can be proud of their contributions to a place that is bustling with student energy and support.

“Students can shift from service to service with relative ease, all in the same place,” says Monica. “It’s easy for us to do a colleague-to-colleague referral. We’re providing a holistic circle of care.”

Mark Sayers is from Garden River First Nation near Sault Ste. Marie. He recently completed the Master of Education program and will begin the Education Doctoral program in September 2022. During his studies, he spends much of his day at Shawenjigewining Hall, in Mukwa’s Den, a hub for Indigenous students. “Even though my classes are online, I like getting out and being part of the university on campus,” says Mark. “Even on weekends, I pack my lunch and stay at the Mukwa’s Den till late at night, doing my work.”

“This is exactly what the building was designed to achieve: to serve as a home away from home for students, especially since a large percentage of them don’t live on campus,” adds Monica.

# Experiential learning provides a focus for the future of finance



Marketing and Finance Lab, Software and Informatics Research Centre (SIRC).

Hackers beware: Ontario Tech students are learning how to counter your next moves through hands-on learning opportunities at the university's BMO Financial Group Technology Management Centre.

“As the world comes to depend more heavily on technology and innovation, BMO is proud to support students at Ontario Tech University.”

NADA RISTICH

The BMO Financial Group Technology Management Centre comprises five labs in the university's Software and Informatics Research Centre; each lab focuses on preparing the students for the digital jobs of the future. The group of labs, supported by BMO Financial Group, enable students in the Faculty of Business and Information Technology (FBIT) to gain an advantage in the competitive working world. Through experiential learning opportunities, students acquire the necessary information and

communications technology skills to advance innovation, improve business performance and ensure the integrity and security of data.

Students working in the Hacker Research Laboratory gain a sound understanding of many technology-related security concepts, including data-centre security, information technology (IT) forensics, malware analysis and penetration testing. Through their research, they can provide business and industry with solutions to improve data security and privacy.

In the Marketing and Finance Laboratory, students turn theory into practice with industry-relevant training, familiarize themselves with state-of-the-art financial software and obtain hands-on trading experience, using the latest tools.

Students in the Business Analytics Laboratory put modelling and data analytics techniques to work to help businesses improve their performance. Using science, simulation modelling and advanced mathematical models, they develop strategies and solve problems in areas such as advertising, operations management and data security.

The Networking Laboratory uses leading-edge equipment to teach concepts ranging from fundamental networking skills to enterprise-level network engineering in order to prepare students for the IT industry's demands, now and in the future. The lab supports the Cisco Networking Academy curriculum and others. Students can work in the lab or access it remotely in order to work on assignments and projects.

There is also a Collaborative Ideation Space, used by FBIT students to collaborate on projects and research opportunities. Entrepreneurship and innovation thrive here. Game Development students work together on new ideas and games, and go on to win high-ranking competitions. Capstone teams connect in this space to develop their projects that are used for curriculum and valuable experiential learning.

“As the world comes to depend more heavily on technology and innovation, BMO is proud to support students at Ontario Tech University by providing them with opportunities to hone their skills and use the cutting-edge equipment and software needed to drive the global economy,” says Nada Ristich, Head, Community Giving, BMO Financial Group.



Dr. George Bereznai, Founding Dean, Faculty of Energy Systems and Nuclear Science.

## Founding Dean shares passion for nuclear engineering with generations of students

As he approached his 80th birthday, Dr. George Bereznai, Professor and Founding Dean of the Faculty of Energy Systems and Nuclear Science, decided 2021 was the right time to retire. George's colleagues responded to his announcement by launching a fundraising campaign to create a nuclear engineering scholarship fund in his name, a move that both "astonished" and "delighted" him.

"I told my colleagues not to get too optimistic about donations, but I was very pleasantly surprised," says George. "Many significant

donations came from people in the nuclear industry, which is a reflection of how important we think the industry is and how vital it is to train future talent and keep our power plants operating safely and efficiently."

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**“ I thoroughly enjoyed passing my knowledge on to students and seeing them succeed. ”**

GEORGE BEREZNAI

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Donations made to the Dr. George Bereznai Nuclear Engineering Endowment in support of student scholarships were matched by the university's Board of Governors' Matching Fund. It's fitting that the funds will support students who are pursuing an education in the field to which George devoted his career, first at Ontario Power Generation (OPG) and then at Ontario Tech.

"When I joined Ontario Tech, I had just returned from teaching for six years in Thailand on behalf of Atomic Energy of Canada Limited and I had retired from OPG," he says. "Retirement didn't last very long; a few months later, I was asked to become the inaugural Dean of the Faculty of Energy Systems and Nuclear Science. The opportunity to start a new university, one with the only undergraduate Nuclear Engineering program in Canada, was irresistible."

Of course, George has a history of launching pioneering projects. His first position at Ontario Hydro (OPG's predecessor company) required him to look into nuclear training simulators, although there were none in Canada at the time. During his tenure in Thailand, he developed and implemented a nuclear engineering curriculum at Chulalongkorn University that included bachelor's, master's and doctoral programs.

"Earning a PhD gives you the confidence that you can tackle something that hasn't been done before," he says.

George approached his position at Ontario Tech with enthusiasm. "I thoroughly enjoyed passing my knowledge on to students and seeing them succeed," he says. "My greatest reward is seeing graduates in the workplace."







Lynda C. Hatfield

## Piano adds notes of joy to students' lives

At Shawenjigewining Hall, students now have a unique outlet for comfort, enjoyment and stress relief: a piano, donated to the university by long-time supporter Lynda C. Hatfield.

Lynda is a lifelong resident of Oshawa, Ontario, a former elementary school teacher and a firm believer in the benefits of education. In addition to the piano, Lynda's generous financial donation in 2021 was essential to the construction of Shawenjigewining Hall.



Evans Mosomi, Software Engineering, class of 2022.

The space that houses the piano is now known as the Hatfield Family Room, in honour of Lynda's commitment and passion to lifelong learning.

Lynda also created the annual Hatfield Family Award, which supports undergraduate students. A dedicated donor, she is also a member of the E.P. Taylor Legacy Society, a unique group of donors who have confirmed planned gifts that will make a difference in the lives of future generations of students.

Throughout her life, Lynda has learned that music can be an outlet for relieving stress. It's something she saw firsthand as her late housemate Linda Scott battled cancer before her death in 2012.

"My friend Linda and I first shared a townhouse while each of us were waiting for our 'Mr. Right' to come along, but he never came," says Lynda with a chuckle. "She'd always wanted a piano, and when we moved to the current house, she bought one and played regularly. Whenever she was low or stressed, it was a balm."

Linda Scott vanquished cancer once, but in 2010, it returned in an inoperable location. As her health deteriorated, she turned to the piano for comfort. Even when her eyesight failed, she relaxed by playing hymns she knew from memory.

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**“ It gave me a really good feeling to think about the success of a simple donation. ”**

LYNDA C. HATFIELD

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"After her death, the piano sat there," says Lynda. "I don't play, and it was ridiculous that it was unused; it had served a real purpose as Linda's stress reliever. I thought of the pressure students were facing during COVID-19 and knew it would work for them, too. I told the folks at Ontario Tech, 'If you can find a place for it, I think you'll be amazed to see the need is there. It will allow students to go and release tension in a comforting way.'"

Today, the lovely Yamaha cabinet piano is already well loved. Amateur pianists even leave sticky notes on its surface to encourage others to play.

"It gave me a really good feeling to think about the success of a simple donation," says Lynda.



## Enhancement project drives future ACE success

As a world-class research and development facility, the Automotive Centre of Excellence (ACE) supports automotive and energy research, development and innovation through the simulation of real-world conditions. To serve its clients more effectively, ACE recently completed an enhancement project, which included upgrades to the Climatic Wind Tunnel, airflow quality and acoustics, as well as the addition of advanced aerodynamic force measurement devices.

The most prominent of these upgrades is the installation of a moving ground plane (MGP): a seven-metre giant belt that acts as a road moving under a vehicle, simulating aerodynamic forces against moving vehicles and measuring physical characteristics in real-world conditions.

The ACE building was also expanded on the west side, at and below ground level, to accommodate the added testing options.

The enhancement project was funded by the Federal Economic Development Agency, and by donations from The Greenbriar Foundation, Magna International, Multimatic Inc., Toyota Canada Inc. and the William F. Hayball Charitable Foundation.

“As a service provider, ACE deeply values the strong collaborative

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**“ We are proud to be a major partner in the ACE Enhancement Project. ”**

TODD DEAVILLE

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relationships it has developed with its research and testing partners,” says John Komar, Executive Director, ACE.

“Ontario Tech has developed a reputation for high-tech research and industry partnerships,” says Todd Deaville, Director of Engineering and Research and Development for Magna International. “The ACE core research facility is a prime example of industry-academic collaboration. We are proud to be a major partner in the ACE Enhancement Project that is providing Canada with accessible high-tech climatic aerodynamics, including the one-of-a-kind moving ground plane.”

“Toyota Motor Manufacturing Canada (TMMC) is pleased to have contributed to the ACE Enhancement Project and Project Arrow in collaboration with Ontario Tech and ACE,” says Scott MacKenzie, Director of Corporate & External Affairs for Toyota Canada Inc. and TMMC Inc. “We will continue to grow our relationship with the university and ACE for the development of talent and collaborative research and development.”

Completion of the upgrades makes ACE unique. For the first time anywhere in the world, there is a facility with a single wind tunnel that will support aerodynamics, thermodynamics and aeroacoustics all in the same airflow. This will be incredibly impactful to advanced vehicle and motorsport development.

The completion of the ACE Enhancement Project is helping Ontario Tech stay ahead of the curve and lead automotive research in Canada.



## Project Arrow comes to Ontario Tech

Ontario Tech has earned the privilege of serving as home for Phase 2 of Project Arrow, a project to design and build the first all-Canadian, zero-emissions, electric prototype vehicle. This opportunity would not have been possible without the investments that enabled the university to upgrade its testing capabilities at the Automotive Centre of Excellence (ACE).

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**“ Project Arrow will really demonstrate that Canada is one of the top players in the world in terms of electric vehicles. ”**

JOHN KOMAR

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“With the unwavering support of our donors, the ACE team has created the capacity for Ontario Tech to demonstrate its ability to take on an extremely complex task: building the first Canadian electric vehicle from the ground up,” says Justin Gammage, Senior Executive Advisor, Strategic Research Priorities and Industry Collaborations at Ontario Tech.

ACE serves commercial clients worldwide who are eager to test their vehicles or products in a high-tech wind tunnel. ACE’s recently enhanced state-of-the-art facilities, as well as its global reputation for excellence in engineering expertise, make it the logical place to construct and test the Project Arrow electronic vehicle.

Project Arrow will put ACE to the test as staff, students and faculty collaborate with a variety of Canadian parts manufacturers to engineer and build the vehicle. To lead the engineering team, Project Arrow recruited Fraser Dunn from Aston Martin Lagonda Ltd., the British luxury sports car builder long associated with the vehicles seen in James Bond films. Dunn will have the final say on Arrow’s engineering.

The team will display the vehicle in January 2023 at the annual Las Vegas Consumer Electronics Show, the world’s premier technology showcase.

“Project Arrow will really demonstrate that Canada is one of the top players in the world in terms of electric vehicles,” says John Komar, Executive Director, ACE. “The project brings to the forefront our academic expertise and our ability to get science to the market.”



Roger Ragoonath, Student Recruitment Officer, class of 2020, celebrating Pi Day of Giving.

## March 14: A day of giving, community and celebrations

The annual Pi Day of Giving is a community-wide online fundraising campaign to grow the university's circle of support for its students. The event's name originates from the mathematical symbol, Pi, which is approximately equal to 3.14. March 14 (3.14) was chosen as the university's giving day due to Pi's significance in science, technology, engineering and math-focused disciplines. Like the value of Pi, at Ontario Tech the possibilities for students are infinite.

Pi Day focuses on partnerships and philanthropy. Gifts to the Pi Day campaign assist students through the creation of bursaries to support university education, scholarships to honour academic excellence, and varsity awards to recognize performance on the field and in the classroom.

Ontario Tech also gives back to the community through its Pi Day events. Pi Day 2021 featured an online trivia contest and a virtual lunchtime speaker series featuring 10 days of talks by Ontario Tech experts.

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**“ Like the value of Pi, at Ontario Tech the possibilities for students are endless. ”**

YVONNE STEFANIN  
Director, Philanthropy

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These activities and opportunities are only possible because of the strong partnerships with the surrounding community. The university is grateful for its Pi Day sponsors: Johnson Insurance; Kemp Travel Group; and Algoma Orchards,

which donated apple pies to help the university celebrate its day of giving.

Much more than a day of giving for Ontario Tech, Pi Day is an opportunity for the entire community to come together and celebrate the university and its students.



Erin Kemp, Manager of Kemp Travel Group.

## A slice of pie topped with opportunities for students

The donation of delicious apple pies from Algoma Orchards in Newcastle, Ontario has been a special part of Ontario Tech's Pi Day of Giving on-campus celebrations.

"We're always happy to help out the community," says Kirk Kemp, President, Algoma Orchards. "I got that community spirit from my parents. My mom is 94 and she still helps out with the Lion's Club. And there aren't many people who don't enjoy a piece of pie."

In 2021, due to the pandemic, Pi Day became a virtual celebration, and Kirk and his wife, Sheila, decided to offer additional support

to Ontario Tech. Kemp Travel Group, founded by Kirk and Sheila, made a Pi Day of Giving donation to assist students from the local area with their university expenses. For two years, Kemp Travel Group Awards will support 50 students from Durham Region, Northumberland or Kawartha Lakes with \$2,000 in financial assistance.

"Ontario Tech has put Oshawa on the map and brought business and people to the area," says Kirk. "If you see what's gone on there in the past 10 years, it's amazing. It's a hub of activity."

"Kemp Travel Group is 40 years old this year and began in Oshawa;

we still have an office there, as well as in Whitby and Bowmanville," says Sheila. "Because we're involved a lot in the community, we like to support the locals where we live. We feel fortunate and it's good to give back."

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**“ Our family feels strongly about helping young people in our community. ”**

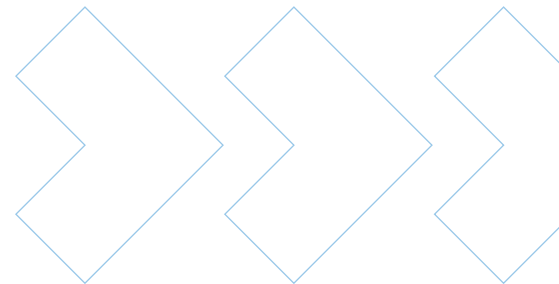
ERIN KEMP

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Kirk, Sheila and their daughter, Erin Kemp, Manager of Kemp Travel Group, believe it's important for businesses to support education.

"When you attend a post-secondary institution, you learn a lot academically, but you learn a lot of life skills, too," Erin says. "University educates you in many ways; you get both book smarts and street smarts. It's nice to support that by assisting our local students, because not everyone is able to afford an education. Our family feels strongly about helping young people in our community."

Ontario Tech's grateful students applaud Kirk's mantra: "The more you give, the more you get. There's good karma that comes out of it."





Environmental Wind Chamber Teaching Lab, Energy Research Centre (ERC).

## Partnership with OPG full of positive energy

Ontario Power Generation’s (OPG’s) extension of its decade-long partnership with Ontario Tech and Durham College translates into a new five-year investment in both institutions.

The renewed partnership features a number of key elements, including support to recruit and retain students—especially those underrepresented in the nuclear industry; technology development for climate change initiatives; research

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**“ Ontario Tech is a trusted partner and OPG is very proud to be partnering with them. ”**

SUBO SINNATHAMBY

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to support OPG’s climate change plan; and digital and data innovation.

Subo Sinnathamby, OPG’s Senior Vice-President, Nuclear Refurbishment, says “this partnership is mutually beneficial, not only for Durham Region and the province, but for all of Canada.”

“The partnership has many facets,” says Subo. “When we identify industry needs, Ontario Tech develops programs to assist us, which reduces our training costs. They support us in a variety of ways by offering micro-credentials or upskilling programs. They also provide us with career-ready, well-educated employees who have gone to Ontario Tech and are happy to continue working in the region.”

Ontario Tech has already assisted OPG in meeting its programming

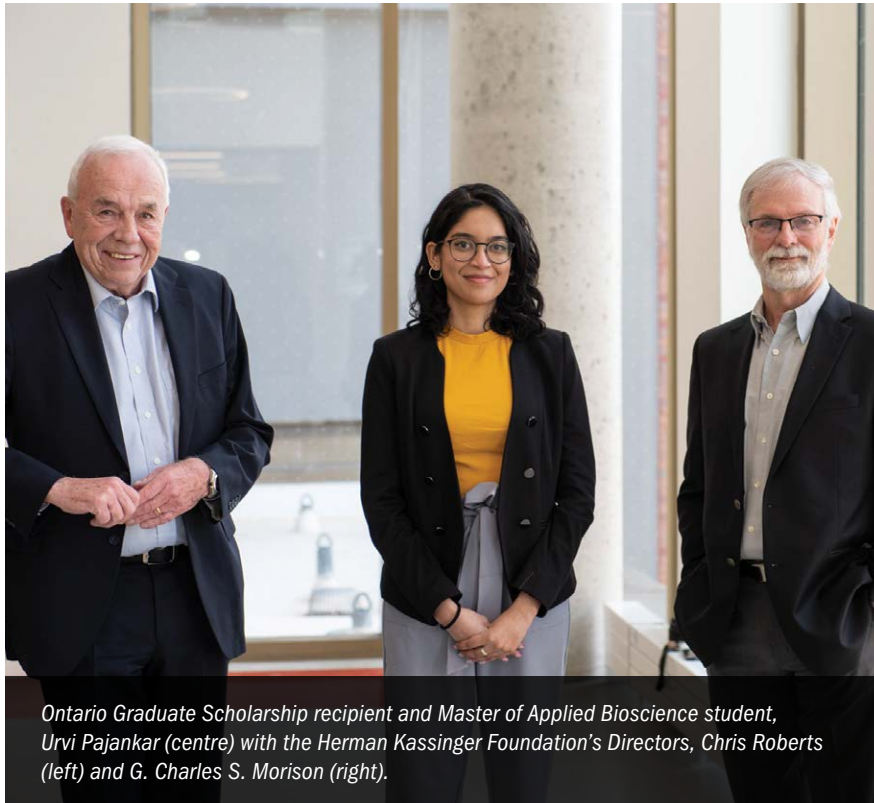
needs with training around CANDU technology and in working toward its climate change goals. Looking to the future, Subo envisions additional programming to address the introduction and proliferation of small modular reactors and in the data and digital innovations that will support this growth.

In terms of equity, diversity and inclusion (EDI), Subo says, “OPG knows that increasing EDI in its workforce is more than just doing the right thing. It is good business practice, because the innovation that results makes the company itself better.”

OPG’s partnership with Ontario Tech supports student programs focused on diversity, including scholarships for students in the Women for STEM program, as well as other initiatives to support underrepresented groups.

“Ontario Tech is a trusted partner and OPG is very proud to be partnering with them; it’s very valuable for us,” Subo says.

# Herman Kassinger's impact lives on through his foundation



*Ontario Graduate Scholarship recipient and Master of Applied Bioscience student, Urvi Pajankar (centre) with the Herman Kassinger Foundation's Directors, Chris Roberts (left) and G. Charles S. Morison (right).*

The late Herman Kassinger, a renowned land developer, understood the importance of giving others a helping hand. His insight was personal; he arrived in Canada in 1952 with \$30 in his pocket and dreams of opportunities unavailable in post-Second World War Germany. As he built his empire, he donated generously to causes in Oshawa and Durham Region as a way of giving back to the communities that afforded him these opportunities.

Today, the Herman Kassinger Foundation continues these philanthropic endeavours on Herman's behalf, and includes Ontario Tech as one of the regular beneficiaries of its generosity. In 2003, the foundation established six financial awards for undergraduate students, and in 2021, it contributed to the Ontario Graduate Scholarship (OGS) program at Ontario Tech.

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**“ We'd like to think Herman would be gratified to know what his contributions were supporting. He was very proud of Oshawa, having built much of it, and was very proud of his contributions to his community. ”**

G. CHARLES S. MORISON

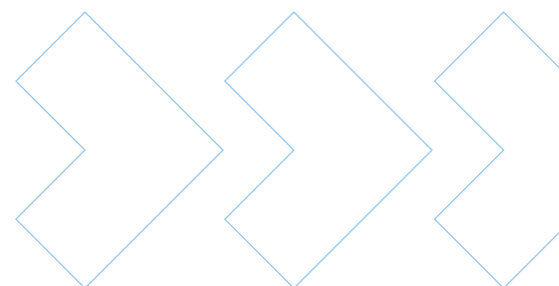
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“During Herman's lifetime, he contributed generously to Ontario Tech and we are continuing his legacy,” says G. Charles S. Morison, an Oshawa lawyer who is one of the foundation's directors. “When we looked at the different programs we could fund, we discovered there was a gap in available funding for qualified graduate students who had financial impediments and it seemed like a good idea to make a donation to support the Ontario Graduate Scholarship program.”

The OGS program encourages excellence in graduate studies at publicly assisted universities in Ontario. The program provides qualified graduate students with scholarships of \$15,000 annually, a portion of which is donor funded.

In addition, the foundation also contributed to the construction of Shawenjigewining Hall, the university's newest building, and home to the Faculty of Health Sciences, Ontario Tech Student Union and the Office of Student Life, as well as classrooms, conference spaces and meeting places. One of the building's meeting spaces will bear a commemorative plaque in honour of the foundation's support.

“We want to make sure that there's an impact from our gifts, so we do our due diligence,” says Charles. “We'd like to think Herman would be gratified to know what his contributions were supporting. He was very proud of Oshawa, having built much of it, and was very proud of his contributions to his community.”





# Resilience: True grit for women in STEM

At the university's third-annual Women for STEM Summit, distinguished speakers shared their advice and career experiences with women making their mark in science, technology, engineering and math (STEM) fields. The 2021 summit theme, 'Resilient, Responsive, Resourceful', was particularly significant in light of the challenges leaders and their organizations have faced since the beginning of the COVID-19 pandemic.

The October 14 virtual summit attracted 300 participants who attended inspiring talks presented by professional women leaders working in STEM fields. Advocates and supporters, including Chancellor Mitch Frazer, participated in the talks. The annual summit supports the university's Women for STEM Scholarship Fund.

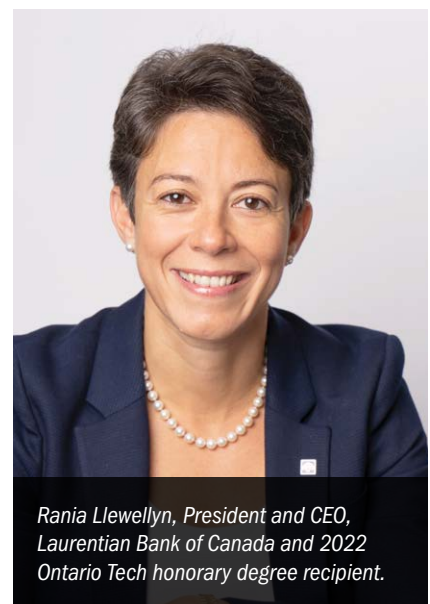
Women for STEM Summit keynote speaker Rania Llewellyn, an immigrant to Canada, began her banking career as a part-time teller for a major bank. Today, with a Master of Business Administration degree in hand, she is President and Chief Executive Officer of Laurentian Bank of Canada, which has always served the underserved.

"The stereotyping that certain genders are better at some things than others begins at a young age, and it is a systemic issue that is deeply embedded, so we need to counter it early," says Rania. "I encourage people to say we're all individuals and we're all unique, and we need more role models to pay it forward."

Rania also notes that society has learned more about resilience in the past two years.

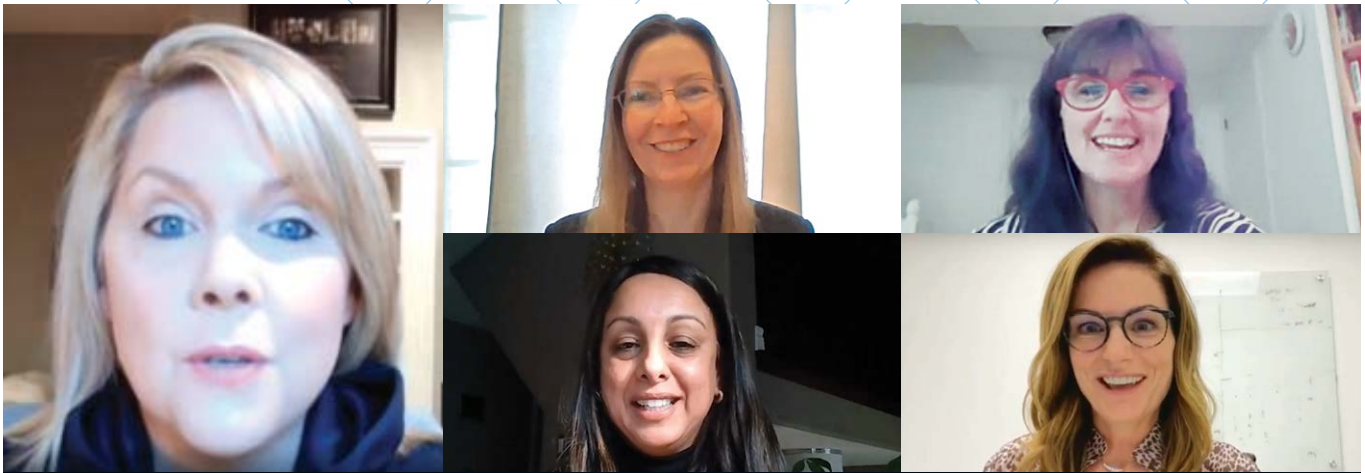
"The pandemic has taught us to be agile and nimble," she says. "When life throws things at you, you need to have courage and take calculated risks."

Paula Hodgins, Senior Vice-President, Global Accounts and Telco for Silicon Valley company VMWare (Oct 2021), addressed the importance of resilience.



*Rania Llewellyn, President and CEO, Laurentian Bank of Canada and 2022 Ontario Tech honorary degree recipient.*





Women for STEM 2021 Speakers, (left) Council Chair Lisa McBride, Country Leader, Small Modular Reactors, GE Hitachi; (top left) Dr. Jennifer McKellar, Associate Professor, Faculty of Energy Systems and Nuclear Science, Ontario Tech University; Karine Glenn, Strategic Project Director, Nuclear Waste Management Organization; (bottom left) Vandana Jureja, Executive Director, Catalyst Canada and Paula Hodgins, Senior Vice-President, Global Accounts and Telco, WMWare.

“Resilience is the ability to sustain your energy and your performance under pressure,” says Paula, who grew up in Ottawa and worked for Hewlett-Packard Enterprise and Microsoft before being recruited for her current position. “It’s true grit. Displaying courage, professionalism and emotional strength during trying times is like a muscle you need to develop. It gets stronger with practice. When things aren’t ideal or are ambiguous, you need to learn to embrace adversity.”

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**“ I encourage people to say we're all individuals and we're all unique, and we need more role models to pay it forward. ”**

RANIA LLEWELLYN

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Summit speaker Karine Glenn, Strategic Project Director, Nuclear Waste Management Organization, learned firsthand the value of corporate responsiveness a number of years ago.

“Resilience means adapting and changing as a result of disruptions in our environment,” says Karine, a building engineer who has spent 20 years in the nuclear sector. “When my son was born, I made the really important decision to quit my job. However, my wonderful boss offered me the opportunity to work part-time, so I had the best of both worlds: spending time with my son and pursuing a career I loved. Now that’s an organization being responsive to an employee’s needs.”

For Vandana Jureja, Executive Director of Catalyst Canada, a non-profit focused on accelerating progress for women through workplace inclusion, resourcefulness is crucial for women in STEM fields, and inclusive leadership is one way for women to demonstrate such resourcefulness. She identified inclusive leadership qualities that women should strive to develop, such as allyship by standing up for others, and humility with a willingness to admit mistakes.

“We won’t always find ourselves in an environment surrounded by others like us, so intentionally demonstrating inclusive leadership

behaviours is really important,” says Vandana.

The closing Women for STEM Summit speaker, Dr. Jennifer McKellar, a chemical engineer and Associate Professor with Faculty of Energy Systems and Nuclear Science, urged women to take a chance on STEM.

“Women thinking of pursuing engineering, who are also looking at the number of women enrolled may have second thoughts, but I encourage them to try,” she says. “What’s not emphasized enough is that at the core of engineering is service to society, a factor that is often cited when talking about why women choose certain careers.”

Returning to the summit’s themes, Jennifer noted that with all the upheaval the pandemic has caused, including the requirement to work from home and be more involved with child care and schooling, women in STEM have proven that they, by definition, are resilient.

To watch all summit session recordings and learn more about the Women for STEM program at Ontario Tech, visit [ontariotechu.ca/womenforstem](http://ontariotechu.ca/womenforstem).

# Hayball Foundation reflects founder's love of Oshawa



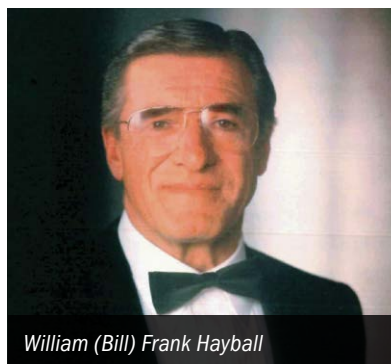
Vehicle being tested for dynamic response on the Moving Ground Plane inside the ACE Climatic Wind Tunnel.

The generosity the William F. Hayball Charitable Foundation has shown to Ontario Tech wouldn't surprise anyone who knew the late Oshawa businessman.

William (Bill) Hayball, the former President and Chief Executive Officer of ACL Automobile Carriers Limited, MCL Motor Carriers Limited and Citicar Limited, provided support for numerous community and sports endeavours while he was in business, contributing to everything from junior golf clinics to services for the deaf. When he sold his businesses in 1988, he established the William F. Hayball Charitable Foundation to continue making a difference in the region he loved. Although Bill passed away in 2006, the foundation's board carries on his charitable works, disbursing funds annually

to applicants from across Durham Region and occasionally making larger donations to deserving institutions, such as Ontario Tech.

"He was a very generous man who worked very hard," says Bill's former colleague David Flett, who chairs the foundation's Board of Directors. "He was always eager to help when he could and he had a strong connection to Oshawa.



William (Bill) Frank Hayball

Supporting local, not-for-profit organizations in Durham Region is a way of ensuring that the legacy of our friend, Bill, continues and has a direct impact on community spirit, which was so important to him."

The foundation's recent donation to the university will support two initiatives: the Ontario Graduate Scholarship (OGS) program, and vehicle dynamic testing enhancements to the Automotive Centre of Excellence's (ACE) Climatic Wind Tunnel.

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**“ Supporting local, not-for-profit organizations in Durham Region is a way of ensuring that the legacy of our friend, Bill, continues. ”**

DAVID FLETT

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The OGS program encourages excellence in graduate studies at publicly assisted universities in Ontario. Qualified graduate students receive \$15,000 in scholarship monies, partially funded by donors.

The ACE enhancement project further strengthens the Climatic Wind Tunnel's capacity to provide industry with access to infrastructure required to prototype, validate and demonstrate new vehicle and other technologies, and measure aerodynamic performance in real-world conditions.

"The foundation made the donation to Ontario Tech and agreed the university should use it as they see fit, but having some of the funds go to the automotive sector is certainly something Bill would have liked to have seen," says David.

# Empowered by the kindness of others

When Kimberley Black discovered that people she had never met were establishing an Ontario Tech scholarship bearing her name, she was deeply humbled.

In July 2020, Kimberley, a Whitby, Ontario resident who earned her Master of Education at Ontario Tech, was out for an evening walk when she was brutally attacked by a stranger and left for dead. She suffered life-threatening injuries that required surgery and extensive rehabilitation.

“It was a heinous act of gender-based violence, but I refuse to adopt a victim mentality,” says Kimberley. “While the bad outcomes were awful, much more good has come out of this than bad. The outpouring of support created opportunities for people to show love and help each other.”

One of the positive responses to news of her experience is the introduction of the Kimberley Black Graduate Scholarship, awarded to Faculty of Education graduate students who demonstrate a commitment to issues pertaining to women. Dr. Janette Hughes, Canada Research Chair, Technology and Pedagogy, established the scholarship with the help of her colleagues and Kimberley’s fellow students. The scholarship was initially funded by a virtual five-kilometre walk/run held on Mother’s Day in 2021. Kimberley participated by creating T-shirts for the inaugural event, with the proceeds supporting the scholarship.

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**“ While the bad outcomes were awful, much more good has come out of this than bad. The outpouring of support created opportunities for people to show love and help each other. ”**

KIMBERLEY BLACK

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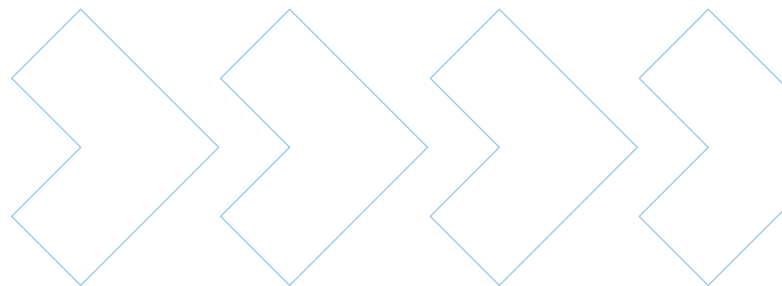
“When I heard about what happened to Kimberley, I was horrified,” says Janette. “It was my daughter’s birthday and we live just a couple of blocks from where Kimberley was attacked. As a mother, a woman, and an academic who supports other women, I wanted to do something to honour Kimberley’s strength and resilience. She inspires me every day by advocating for change, by helping other women find their strength, and by raising awareness about gender-based violence.”



*Kimberley Black, Master of Arts, Education, class of 2021.*

Kimberley equally admires Janette. “It takes a special person to step up, go out of their way and put themselves in a position of advocacy,” says Kimberley. “I’m forever grateful and I’m excited for those who will benefit. It’s a humbling experience. When your name is attached to something, you have to stand taller and make sure you represent it in a good way.”

With her self-compassion, resilience and upbeat attitude, there’s no doubt Kimberley does just that.



# Take pride in Ontario Tech's 2021 accomplishments



*Dr. Steven Murphy, President and Vice-Chancellor, Ontario Tech University.*

While 2021 is a year many people would like to erase from their calendars, Ontario Tech adapted and met the challenges of the COVID-19 pandemic with ingenuity, perseverance and empathy.

With your support, we were successful on many fronts, from enhancing the student experience to conducting clean-energy research and transforming the lives of people with dementia. It would require a book to expound on all of the successes of our students, faculty, staff and researchers, so let me touch on a few of our major successes.

First, we were able to contribute directly to the pandemic response. The Campus Ice Centre was selected as Durham Region's vaccination clinic location. Our researchers worked with officials from the region to test wastewater samples as part of a provincial network to detect early traces of COVID-19 in local communities. We also graduated our Nursing students early, getting their expertise on the frontlines of health care.

The opening of Shawenjigewining Hall was a real point of pride, and it wouldn't have been possible without our donors. Our new, student-focused, five-storey building completes our north campus quad. Shawenjigewining Hall houses the Offices of Student Life and Continuous Learning; the Ontario Tech Student Union; Mukwa's Den, our north campus location for Indigenous students; as well as the Faculty of Health Sciences. There's even a piano (also a gift from one of our donors) to help students relax and be creative in between classes.

Thanks to your support and commitment to research, we asserted our national leadership role in clean-energy research and low-carbon energy solutions in 2021 through the creation of the Brilliant Energy Institute and the naming of the Nicholas Sion Brilliant Energy Laboratories. In the same year, Ontario Tech also became the first Canadian institution to receive the Collaborating Centre of the International Atomic Energy Agency designation. We are training the energy sector's next generation

of leaders, and innovating new systems and products.

We are also working on strategies to reduce the impact of climate change on Canada and the world. Ontario Tech joined more than a thousand universities in 68 countries in a pledge to halve their emissions by 2030 and reach net-zero by 2050. In addition, our renewed partnership with Ontario Power Generation (OPG) will involve technology development for initiatives to mitigate climate change, and research to support OPG's Climate Change Plan.

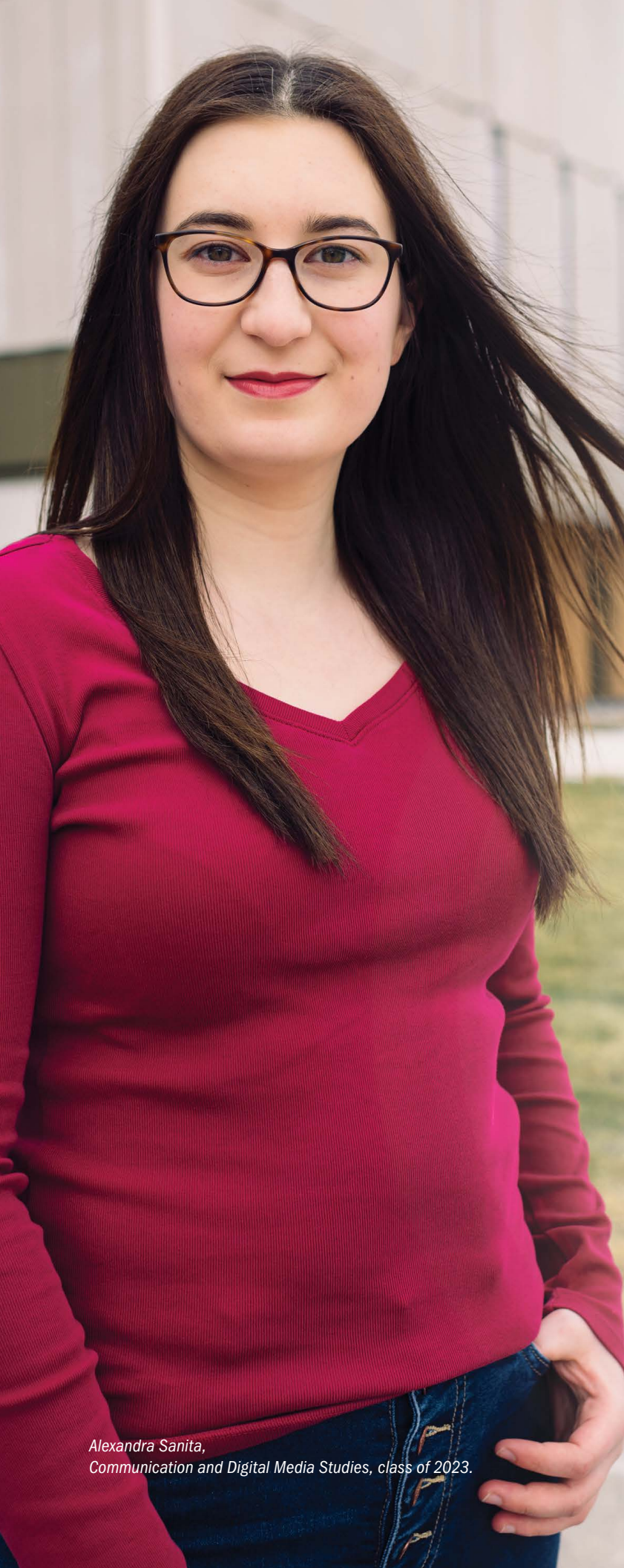
Also, on the research front, your commitment to the ACE Enhancement Project made it possible for Ontario Tech to install a moving ground plane into our ACE Climatic Wind Tunnel, offering us additional capabilities for simulating real-world conditions. We've also joined forces with Glasshouse Systems and the University of Miami on a high-performance computing research effort to build resilience into municipal information technology during severe weather events.

Given that this is only a fraction of what we achieved during a pandemic year, it's no wonder that Ontario Tech's growing brand reputation and influence was recognized through strong results in the Maclean's magazine rankings of Canadian universities, and impressive showings in international rankings pertaining to research and discovery.

But we won't rest on our laurels. Join us for an exciting ride through 2022.

A handwritten signature in black ink, appearing to read 'Steven Murphy', written in a cursive style.

**Dr. Steven Murphy**  
President and Vice-Chancellor



# Your Impact

Your generosity supported...



Student support



Our faculty, programs and athletics



The university's capital needs

Alexandra Sanita,  
Communication and Digital Media Studies, class of 2023.



# Our leadership

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**Dietmar Reiner**  
Chair

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President and Vice-Chancellor

**Stephanie Chow**  
Vice-Chair of Audit and Finance Committee

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**Maria Saros**  
Vice-Chair and Chair of Governance, Nominations  
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**Sara Gottlieb**  
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**Les Jacobs, PhD**  
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**Brad Maclsaac**  
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Administration



## Women for STEM Council

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**Arlene Ali**                      **Rekha Rao-Mayya**  
**Karen Chan**                      **Nancy Shaw**  
**Jo-Ann Giesbrecht**

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**Denise Jones**, Chair                      **Phillip (Rocky) Simmons**  
**Robert (Bob) Baun, LLD '07**      **Bob Strickert, LLD '13**  
**Kent Farndale**                      **Dwight Thompson '11**  
**Lawson Gay**                      **Colleen Walker**  
**Dan Gazarek '07**

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