# President's Report

**REFLECTIONS ON 2015** 

## Creative construction

With the construction of innovative new buildings and creative enhancements to existing ones — Sheridan continues to walk the talk as Canada's Creative Campus.

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#### Sheridan Get Creative





## Thank you for being part of our community

In compiling Sheridan's many good news stories for this edition of the President's Report, we quickly noticed that a pattern emerged. Many of our proudest accomplishments from the past year have centred around one theme: community.

Like any postsecondary institution, we belong to a number of communities. There's our vibrant on-campus community of students, faculty and staff. There's the broader communities in which those campuses exist: Oakville, Brampton and Mississauga. There's our thriving alumni community, which numbers over 148,000 strong. There's our community of industry partners, donors and advisers, and our postsecondary peers locally, nationally and internationally.

The stories in the pages that follow showcase some of the many ways we've had an impact in our communities over the past year. Read on to discover how we're designing a school for a First Nations community, removing the barriers to postsecondary education for underprivileged individuals, enhancing our campus environments, supporting international events, and sharing our advanced technology and know-how with our local communities.

While the stories vary dramatically, each one showcases the power of collective ideas, collaboration, unity and belonging — all the important elements of community.

Through the extraordinary participation of so many caring members of our community, we've bolstered our reputation as Canada's Creative Campus and one of Canada's leading postsecondary institutions. I hope this report inspires your continued interest and invaluable support of Sheridan.

Sincerely,

Jeff Zabudsky, PhD President and Vice Chancellor, Sheridan College

## **In review**

It's a momentous time at Sheridan. Here, we look back at some of the recent highlights and milestones over the past year.



#### JANUARY

→ Lawrence Hill, author of international best-selling and award-winning novel *The Book* of Negroes, comes to campus to launch 'Sheridan Reads,' part of Sheridan's Creative Campus initiative. Hill gives a lecture in which he shares his thoughts on writing and nurturing the creative impulse.

→ How to Train Your Dragon 2, written and directed by Sheridan alumnus Dean DeBlois wins the Golden Globe Award for Best Animated Feature.

Building KI high PAGE 16



Sheridan graduates also worked on *The Lego Movie* and *The Book of Life*, the additional two films nominated in the best animated feature category.

#### **FEBRUARY**

→ Posters by Sheridan students are showcased at the opening night of the Black History Month kick-off celebration by the Canadian Caribbean Association of Halton (CCAH). The posters, which celebrate Canadian Black History, are later displayed at the Oakville Museum.

→ At the Academy Awards, Sheridan dominates in the Best Animated Feature category. Three of the five nominated films were directed by Sheridan alumni: *The Boxtrolls* (director Graham Annable); *How to Train Your Dragon 2* (director Dean DeBlois); and *Big Hero 6* (director Chris Williams). Williams takes home the Oscar.

#### MARCH

→ Sixteen Sheridan graduates take home Canadian Screen Awards, which celebrate homegrown talent in front of the camera and behind the scenes in film, television and digital media.

➔ For their 'Sprint Week' competition, Game Design students are challenged to design interactive games for 'ScreenPlay', the presence-sensing floor located at Holland Bloorview Kids Rehabilitation Hospital. The winning students' game, Kyube, engages children and families in an inclusive activity that can be played by children of all abilities while they wait for their appointments.

→ For the third consecutive year, two Sheridan students are recognized as outstanding co-op students. Business Administration — Finance student Ali Zaheer is selected as Co-op Student of the Year by Education at Work Ontario. Software Development and Network Engineering student Richard Chavez receives an Honourable Mention from the Canadian Association for Co-op Education.

→ Ken Dryden — author, politician, educator, lawyer and hockey hero — spends two days at Sheridan, sharing experiences that reinforce the idea that community matters. Dryden's visit is part of the Community Builder Series, a yearlong sequence of events, speakers and documentary screenings with a focus on building better and healthier communities.

→ As part of its Creative Campus Series, Sheridan partners with the Toronto International Film Festival (TIFF) for 'Stage & Screen': a discussion examining the intersection of theatre and film at the TIFF Bell Lightbox in Toronto. The event features a conversation with director of stage, opera and film Atom Egoyan and Matthew Jocelyn, artistic and general director of Canadian Stage.

#### **APRIL**

→ Sheridan earns a 'Silver' STARS rating from the Association for the Advancement of Sustainability in Higher Education (AASHE). Sheridan's accomplishment reflects a significant improvement in energy efficiency, waste diverted per campus user, and data tracking.

→ A team of first-year students from Sheridan's Mobile Computing degree program wins first place in Microsoft's UX (User Experience) Challenge in the Innovation Path of the Imagine Cup.

#### MAY

→ A team of Sheridan Paralegal students wins Ontario's Mock Trial cup, beating out their peers from six similar programs at public colleges across Ontario.

→ For the second straight year, Sheridan sponsors the Punjabi International Film Festival (PIFF), which takes place in Brampton, Mississauga, Oakville, Toronto, and Richmond Hill. Sheridan hosts two screenings of films celebrating the themes of Punjabi and Southeast Asian cultures and identities.

#### JUNE

→ Sheridan Apprenticeship program grads win an unprecedented four medals at the 26th annual Ontario Technological Skills Competition. Three alumni sweep the Precision Machining competition, winning Gold, Silver and Bronze in the category. An additional Gold medal is earned in the Computer Numerical Control (CNC) competition.

→ The groundbreaking production of *Brantwood*, produced by Sheridan's Canadian Music Theatre Project (CMTP), is recognized with an Audience Choice Award at the 2015 Dora Mavor Moore Awards, celebrating excellence in Toronto's performing arts.

→ Sheridan comes in at number 11 on the CG Student Awards' list of the top 20 schools in the world for visual effects, animation, and game design.

#### JULY

→ Students from the Shanghai Theatre Academy and Sheridan bring down the house in a concert celebrating the universal language of music theatre. The cabaret concert is part of an international exchange that saw five students from Shanghai join five Sheridan students to share their passion for learning and performing.



#### AUGUST

→ The Sheridan iCent app, which helps international students acclimatize, reaches 1,000 downloads. The app, co-created by staff in Sheridan's International Centre and a former international student, guides incoming students through every step of the process, from application to arrival and beyond.

→ Two Sheridan students win first place in the best re-engineered product category at the worldwide IAM3D challenge in Boston. Their creation, an audible hockey puck,



makes hockey more accessible for players with vision loss.

#### **SEPTEMBER**

→ Sheridan alumnus Matthew Fabb takes home an Emmy Award. Fabb is a member of the award-winning team that made *I Lost My Head in Sleepy Hollow*, the first virtual reality project to win an Emmy.

➔ In the spirit of feeling good by giving back, Sheridan employees work with Burlington, Ont.-based charity Sew on Fire to create 1,000 care packages for children in need by stuffing backpacks with school supplies and treats.

#### OCTOBER

→ As part of the Creative Campus series, award-winning musician, entrepreneur and author David Usher visits Sheridan to speak about the creative process. Usher says he believes that everyone has the capacity to be creative.

→ Four-time Olympian Silken Laumann delivers the keynote address at Sheridan's annual Showcase of Teaching and Learning. Laumann encourages the Sheridan community to "absorb the learning that's possible."

#### **NOVEMBER**

→ Sheridan alumnus and children's book author and illustrator Jon Klassen wins a Premier's Award in the Creative Arts and Design category. A 2005 graduate of Sheridan's Classical Animation program, Klassen has sold over a million copies of his books worldwide.

➔ Environmental advocate, award-winning geneticist, science broadcaster and academic David Suzuki delivers a keynote address at Sheridan's Trafalgar Road Campus, encouraging an audience of 300 Sheridan community members to get involved in environmental initiatives and make a difference.

#### DECEMBER

→ Sheridan's annual United Way campaign concludes. The Sheridan community raises \$40K for the United Way, which assists individuals to become resilient people, strengthens families and creates vibrant neighbourhoods and communities.

→ Holiday 'Mitten Trees' are erected on each of Sheridan's campuses. The Sheridan community donates 114 pairs of mittens, six scarves, and 70 hats, ensuring that children and adults in need are protected from the elements during the holiday season and beyond.

#### Creative campus, extended PAGE 20



## **Creative construction**

With the construction of innovative new buildings — and creative enhancements to existing ones — Sheridan continues to walk the talk as Canada's Creative Campus.

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Sheridan

Sheridan's Hazel McCallion Campus expands with a state-of-the-art new building



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The vision of the project is one we got excited about from the very start. The fact that creativity is part of Sheridan's identity is inspiring. It signals a sincere interest in adopting a unique approach.

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As Canada's Creative Campus, Sheridan has committed to embedding purposeful creativity into every part of the campus experience, from our programming, to our teaching, to our facilities — and our two newest buildings in Brampton and Mississauga are no exception.

Sheridan's \$67.3 million Hazel McCallion Campus expansion broke ground in late 2014, and has been changing the skyline of Mississauga throughout 2015. The 220,000-square-foot, stateof-the-art building, made possible by the Province of Ontario, the City of Mississauga and private donors, was designed with Sheridan's creative mandate in mind.

"The vision of the project is one we got excited about from the very start," says architect Daniel Teramura, whose firm Moriyama & Teshima Architects is one of two firms collaborating on the design. "The fact that creativity is part of Sheridan's identity is inspiring. It signals a sincere interest in adopting a unique approach."

That unique approach is reflected in the building's many features — 57 classrooms, including labs, studios and production facilities; meeting rooms; a Senate Chamber — and is emphasized in the Creativity Commons at the heart of the facility.

"The Creativity Commons was designed to reflect Sheridan's commitment to the Creative Campus by permeating the core of the building. It isn't one isolated space, but a series of connected spaces occupying each floor," says Dr. Yael Katz, Dean of Sheridan's new Institute for Creativity and Creative Campus, which will also be headquartered in the expanded Mississauga campus. "The Commons is really meant to encourage informal encounters and cross-disciplinary collisions. It's a space for community, contemplation and collaboration."

The Davis expansion was also designed with collaboration in mind. The opening of the new 130,000-square-foot building in 2017 will ultimately see the relocation of students currently enrolled in trades and apprenticeship programs at the stand-alone Skills Training Centre in Oakville, allowing them to become more fully integrated into the campus community. It will foster collaboration with other program areas, particularly Sheridan's engineering programs, which will be housed in an adjacent and connected building.

"The new space will open up opportunities for collaboration, movement between credentials,

and sharing of equipment and resources that will benefit students in both the trades and our engineering programs," said Dr. Iain McNab, Dean of the Faculty of Applied Science and Technology.

Architect George Friedman hopes that the building's open design will also foster broader community engagement, as visitors will have clear views into the workshops from above, and be able to see all of the building systems that are left exposed, including structure, mechanical ducts, plumbing, electrical conduit and IT cabling.

"The design echoes what will be going on inside it – it's a 'tough' building," says Friedman. "The design hearkens back to the factories of the industrial revolution, in which structures were exposed and formed the architectural expression, while also meeting modern sustainability requirements."

These sustainability requirements are vital to Sheridan's Mission Zero plan — and have been fully integrated into the design of both new buildings in a manner befitting a Creative Campus.

The Davis facility will house an Energy Centre that will enable Sheridan to introduce district heating and cooling networks that generate electricity and allow for more efficient heating and cooling across multiple buildings on campus. The Centre will have a dual purpose role, serving as a living lab while helping Sheridan reach its Mission Zero plan — the institution's commitment to decrease energy consumption by 50% and carbon emissions by 60% by 2020.

The Mississauga expansion will also support Mission Zero. It achieves efficiency through a smart system that automates and controls energy use. Add to that the strategic placement of windows, a mechanical system that features on-demand ventilation, heat recovery and chilled beams, as well as energyefficient LED lighting and the use of solar energy to partially heat water, and you've got a building that will consume roughly half of what's used by most commercial buildings of comparable size in Canada.

"If Sheridan is to be known for its creativity and innovation — and for sustainable practices — our physical spaces need to reflect our leadership in those areas," says Dr. Jeff Zabudsky, Sheridan's President and Vice Chancellor. "Our new buildings do just that. We can't wait to see these state-of-the-art facilities take form, and to invite our community to visit them." (S)





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The new Hazel McCallion Campus is currently under construction and will welcome its first students in September 2016.

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The new building at Davis in Brampton will open in September 2017.

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Sheridan's Mississauga campus is home to the Pilon School of Business.







### Creative Campus enhancements



TEMPORARY CONTEMPORARY, OAKVILLE Now in its fourth year, Temporary Contemporary is a competition that invites high profile artists to bring their original public art installations to Sheridan's campuses. "Sheridan's students, faculty and staff are able to connect with the broader art community and the artist's work inspires unique opportunities for curriculum integration," said Ronni Rosenberg, Dean of Sheridan's Faculty of Animation, Arts and Design. Last year's installation by artist Jon Sasaki was "A Clock Set to 24 Hours Into the Future"; this year, the time theme will continue with a piece consisting of 720 analog wristwatches. Members of the community are invited to come and experience this year's installation, which is on display in the B-Wing of Oakville's Trafalgar Road Campus.



#### **DAVIS MURAL, BRAMPTON**

Sheridan's Brampton campus is also getting some creative enhancement. An interdisciplinary team of students from craft and design and illustration is working with PLANT Architects to design a two-storey mural for a glass-enclosed stairwell in the Dr. Rob Turner Building at the Davis Campus. The mural embodies the values of the Faculty of Applied Health and Community Studies, while reducing the building's solar heat gain and energy consumption.

## **Education transformation**

Sheridan is proud to team up with a number of partners on two initiatives designed to remove the barriers to postsecondary education — and make a difference in underprivileged communities.



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Sheridan is proud to partner with Homeward Bound Halton, which provides precariously-housed single mothers with educational opportunities that would otherwise be out of reach.

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During their visit to Sheridan, kids from Toronto's Urban Squash program got hands-on experience with cutting-edge technologies like 3D printing and robotics.

With two innovative new programs, Sheridan and its partners are seeing first-hand how powerful access to postsecondary education can be. Bring underprivileged communities to campus, and something remarkable starts to happen.

"One of the most powerful things we've observed is how transformative this program can be," says Michelle Pommells, President and CEO of Home Suite Hope, which oversees the first initiative, called Homeward Bound Halton. "Women will enter the program, and it's evident — from their body language, how they present themselves — how they're thinking about themselves. They lack confidence. They almost want to melt into the background and be invisible. Their self-esteem has taken a bit of a battering because of what they've been through."

The women are low-income, precariously housed single mothers who require support to stabilize their lives and break the cycle of poverty. Enter the Homeward Bound Halton program, made possible by a community partnership between Home Suite Hope, Halton Region, Oakville Community Foundation and Sheridan. Based on a long-standing, highly successful WoodGreen Community Services program in Toronto, Homeward Bound Halton provides affordable housing, free child care, and fully-funded educational opportunities to program participants. In other words, the program helps remove many of the barriers to postsecondary education.

The result? "As the days, weeks, months pass, they begin to transform. Blossom. They start to use their voice. They've always had a voice, but they begin to express opinions with new confidence. They become hopeful of the future. They begin working to build a future that looks so much more promising than anything they've experienced before. We see that transformation actually happening before our eyes," says Pommells.

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This program is an excellent example of what is possible when partners come together and get creative to tackle a complex issue such as poverty.



Sheridan's President and Vice Chancellor, Dr. Jeff Zabudsky, says he's proud of the role the institution is playing in this transformation. "Thanks to the contributions of our partners, the participants can spend less time worrying about how to pay for their education and support their families, and more time gaining knowledge in their subject areas and the invaluable hands-on experience that employers demand. This program is an excellent example of what is possible when partners come together and get creative to tackle a complex issue such as poverty."

Participants had the opportunity to choose from 18 Sheridan programs, which were shortlisted for their potential to help the students change their economic reality. The students' tuition is fully paid for by Homeward Bound Halton's donors; Sheridan provides them with laptop computers and delivers the educational programming and any academic upgrading required before studies commence. Equally as important, the Homeward Bound Halton Industry Council and Sheridan will provide participants with support finding internships and ongoing employment.

Pommells says the benefits of the program extend to participants' children. "We see children who have had to see their parents go through the stress that living in poverty will bring. Behavioural issues often develop as a result. But through the course of this program we're seeing the children doing so much better. Watching their parent invest so much time and energy in the future of the family, it rubs off on these children. They develop a greater interest in education themselves. They see the connection between hard work and promise and opportunity, and that has a transformative effect on them too."

Shivani Ruparell, Executive Director of Urban Squash Toronto, has also witnessed

children transformed by access to educational opportunities. Founded in 2010, Urban Squash Toronto strives to ensure the future success of underserved youth in Toronto's Jane and Finch neighbourhood. In July 2014, Sheridan partnered with Urban Squash to bring 21 students to its campus for a one-week residential program that involved participants in novel, hands-on learning opportunities. In July 2015, another 21 students participated, together with 15 others returning from 2014 for a more in-depth experience.

"When we begin working with the students and we ask them what they want to be, they all give the same answers — you know, doctor, lawyer, teacher, the jobs that kids know of," Ruparell says. "But through our program with Sheridan, our students were able to experience all the other terrific options that are out there. They see that they can build a computer game, that that can be their job. That they can draw, or work with glass or pottery or fabric. It's been really eye-opening for our kids, and that's really our mandate, to help kids pursue the postsecondary pathway of their choice."

Ruparell says the program has been transformative for the students she works with, many of whom have never been away from home before. She points to one student in particular.

"One of our students, Eryka, attended last year for the first time. She was very shy, reserved. She always had her nose in a book. For the Sheridan program, we paired her with a girl who's a bit more confident. They shared a room in residence, and both of them just flourished. Eryka really came out of her shell. The confidence boost she got from being at Sheridan — trying new things, making new friends — it made such a difference, and has continued to have a huge impact in Eryka's life." (s)



Residencies like the ones offered to Urban Squash Toronto enable youth to explore their postsecondary education options.



## **Sheridan insights**

Think all colleges are alike? From our small class sizes to our youthful alumni and booming international student population, you may be in for a surprise. Taken together, we're a dynamic and growing community that celebrates creativity, innovation, learning and discovery.

1:43 RATIO OF FULL-TIME FACULTY TO FULL-TIME STUDENTS







of full-time faculty have graduate degrees (99 PhDs and 295 master's)

# of alumni with more than one credential



of 4th year degree students participated in courses with internship field experience



of alumni graduated in 2000 or later 52 vs. 48 PERCENTAGE OF FEMALE TO MALE STUDENTS

## Building KI high

Sheridan students and faculty get creative to bring high school education to a remote Ontario community. Sheridan Professor Michael Muller's visit to KI inspired him to engage his students in the project.

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Plans and models of Muller's students' ideas for Kl.

Six hundred kilometres north of Thunder Bay, Ontario, there's a tiny Aboriginal community called Kitchenuhmaykoosib Inninuwug, or KI.

It's remote — so remote that the community's school-age youth, which account for 30% of its population, are forced to leave their homes and families to attend high school in Thunder Bay. Attending school beyond Grade 10 is so inaccessible that many of the community's students never finish high school.

"They don't want to leave," says Michael Muller, professor in Sheridan's Architectural Technology program. "This is their home, and they love it. They're proud of where they come from, and it's where they want to be."

So Muller and his students are making it easier for KI's youth to stay on their reserve, and get an education too.

Muller visited KI in the summer of 2014 after the youth of KI issued an open invitation to other Canadians: come experience life on a remote reserve. Muller and his wife were among the 30 people who took up the invitation.

The KI he describes is beautiful, welcoming — and troubled. The community faces a number of social issues, many of them related to the painful legacy of residential schools. But Muller was clear on what role he was there to play.

"They don't need outsiders coming in trying to help. You don't help. You provide support and assistance," says Muller. "We asked them how we could be of assistance to them, and the thing the community wanted most was for their youth to be able to graduate from high school."

When Muller returned to Sheridan that fall, he invited his students to join the project by contributing designs for Kl's school that allowed for additional classroom spaces for Grade 11 and 12 students. "Students took the information I brought back and used Google Earth images of the school to come up with designs."

Second-year Architectural Technology student Vinny Loução, who's also president of the Architectural Club at Sheridan, was keen to accept the challenge. "We did some research into the background of KI," he says. "We had to consider the weather and snow. They can get three feet of snow on the roof and temperatures as low as -50C without wind chill. We had to come up with a structure that could withstand those severe conditions."

Other factors to consider with such extreme weather conditions include digging deeper to lay foundations, doubling insulation as well as using a different kind of material to ensure the building remains heated during winter and cool during summer. "We're using straw bale instead of the conventional insulation," says Loução. "That will extend its life. Straw bale is also fire resistant. It is easy to build with and easy to move around."

Because KI is only accessible by land for three months a year, transporting and erecting a building on this remote site is difficult. Portable structures will be used instead. The proposed six rooms will be constructed in Ontario, then taken apart, loaded on trucks, and transported to KI, where they'll be reassembled.

The next step for the project is to seek approval from the people of KI. "It is their home, their [First] Nation. It is up to them as to how, or even whether, they use any expertise we offer," says Muller.

If the community approves the students' design, and sufficient funds are raised, construction and installation could begin the following summer. That means the KI community may see their students attend high school as they've dreamed — at home, on their traditional ancestral land. (S)









#### PRESIDENT'S REPORT



# Game to contribute

In the summer of 2015, the Pan Am/Parapan Am Games brought the global community to Toronto's doorstep — and the Sheridan community played a big part in making TORONTO 2015 a success.

From the opening to the closing ceremonies of the TORONTO 2015 Pan Am/Parapan Am Games, Sheridan alumni and students were well-represented — in competition, behind the scenes, contributing to PANAMANIA, and treating injuries in a wide range of sporting events.

#### COMPETING

Competing in the Games on home soil in front of family, friends and his country was a special moment for wheelchair athlete and Sheridan alumnus Josh Cassidy. "I feel so grateful and excited to have had the opportunity to compete in a major games (event) in Canada and even more thrilled that it was in my city," says Cassidy. Perhaps the home field advantage helped Cassidy; he brought home three silver medals in the 800m, 1500m, and 5000m wheelchair race events.

Just as special as the medals, Cassidy says, is the legacy that the Pan Am/Parapan Am Games leaves for Toronto and the province as a whole. "It is all about inspiring the future generation through athletics. Sport has truly changed my life, and showing children the opportunities available to them in sport — both at a professional and recreation level — is priceless." Cassidy has been partially paralyzed since battling and overcoming cancer as a baby, but has never seen his wheelchair as a hindrance to achieving his athletic goals:

"I believe anything is possible with passion, hard work and time." It's a message he delivers over and over in the hopes of inspiring those in his community to put in the time.

Cassidy wasn't the only Sheridan alumnus to medal at the Parapan Am Games; graduate Joel Dembe took home a bronze medal in the wheelchair tennis doubles event. Also competing in the PanAm Games were former Sheridan Bruins stars Molham Babouli and Raheem Edwards, members of the Canadian men's soccer team; and Sheridan student Amanda Braddock, who was one of six women on Canada's weightlifting team.

#### TREATING/REHABILITATING

Sheridan faculty and alumni have a long tradition of volunteering at the Pan Am and Parapan Am Games, the Olympics, and other international sporting events. TORONTO 2015 was no exception. Among those lending their expertise were 25 Athletic Therapy alumni, as well as Amanda Halls and Nicole DiFilippo, the Director and Manager of Sheridan's Athletic Therapy Clinic. DiFilippo served as Lead Medical Practitioner at the water polo venue while Halls held the same role at the field hockey venue.

"It's my first Games of this magnitude," says Halls. "I think it's important to give back to the sporting community that has given me so much."

#### CREATING

It should come as no surprise that members of the Sheridan community also made a creative contribution to the Games. Meaghan Ogilvie, a 2003 applied photography graduate, was one of 27 distinguished artists commissioned by PANAMANIA, the TORONTO 2015 arts and culture festival. The works created by Ogilvie and her peers explored the themes of water, immigration and identity. Influenced by the teachings of indigenous communities, Ogilvie's underwater photo series "Requiem of Water" was intended to heighten public awareness of, and encourage thoughtful responsibility towards, our precious water sources.

#### PRODUCING

Two-time Sheridan graduate Amanda Fleet's role at the Games was behind the scenes — and vitally important. Fleet acted as Production Coordinator for the Opening and Closing Ceremonies, managing the many moving parts involved in each ceremony. A daunting task, but Fleet's decade of experience as a freelance technician set her up to succeed in spite of tremendous pressure. "Being a part of the Ceremonies team was an exciting and rewarding role, not only because of what I learned each day but because I was contributing to something that will become part of Toronto's, Ontario's and even Canada's history." (S)

## Creative campus, extended

Sheridan's innovative MakerSpace Creative Hub invites Brampton community members to try out the technology that's changing everything.

In the words of its Director, Dr. Farzad Rayegani, Sheridan's Centre for Advanced Manufacturing and Design Technologies (CAMDT) is "a place to play" — with ideas, with materials, and with leading-edge equipment like 3D printers and robotics technology. Now, with MakerSpace Creative Hub, Sheridan is extending the opportunity to play beyond its Davis Campus and into the broader Brampton community.

MakerSpace acts as a community-based innovation hub where local schools, students, inventors, developers, makers and residents can come together and collaborate while sharing tools, resources and knowledge. Users of the facility, located in the Brampton Library, can experiment with 3D printing, play with robotics or design a renovation project - or the next CN Tower — with architectural modelling software. The project is the product of a partnership between Sheridan, Brampton Library and the City of Brampton; its goal is to support the creative economy in Brampton by engaging community groups, attracting entrepreneurs and introducing technology resources to a wider audience, thereby helping to foster the development of 21stcentury job skills.

"We're very pleased to be involved in this great project to support the creative economy in Brampton," says Brampton City Councillor Jeff Bowman, Chair, Economic Development Committee. "Now there's even more



Sheridan's MakerSpace Creative Hub allows Brampton residents of all ages to explore and experiment with some of today's most important technologies.

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Now there's even more opportunity for the next generation of creative professionals to get interactive with technology, develop new skills, and be inspired with new entrepreneurial ideas.

# 66If you can imagine it, you can print it.99

"It wasn't that long ago that 3D printing was completely unfathomable to me," says Brampton resident Elizabeth Gyuran. But since she and her family discovered MakerSpace, what was once the stuff of science fiction is now a regular part of Gyuran's life. "My husband was the one who was interested in it initially. He rebuilds old cars, and he wanted to learn to 3D print parts that you can't buy anymore." So Gyuran, her husband, and their 11-year-old daughter attended a MakerSpace session — and it wasn't long before Gyuran was hooked. "If you can imagine it, you can print it. That's amazing to me. At first, what I printed was useless, but as I've learned and improved I've begun experimenting with using 3D printing to reproduce an old leather technique called wet forming." Gyuran says she's grateful for the opportunity to experiment with the technology — every week, for free. "It's incredible that I get to try, try and try again until I get it. It's definitely worth learning. This is the future." opportunity for the next generation of creative professionals to get interactive with technology, develop new skills, and be inspired with new entrepreneurial ideas."

Overseen by experts from CAMDT and the Faculty of Applied Science and Technology, the program is available to community members of all ages. "Our library spaces are designed to serve as broad a demographic as possible," says Rebecca Raven, CEO of Brampton Library. "Our MakerSpace programs span all ages and interests, from young preschoolers right up to seniors. Everyone learns in different ways. Come to the MakerSpace to dig in, discover and learn by doing."

Learning by doing is a critical component of Sheridan's approach to education — and will prove increasingly important as the demand for STEM (science, technology, engineering, mathematics) education grows.

"Sheridan is doing something about the growing demand for STEM training," says Sheridan's President and Vice Chancellor, Dr. Jeff Zabudsky. "We're getting out to the community. We're not just writing papers about STEM education, we're creating places that are open to the broader community to showcase and test things like robotics, 3D printing, microelectronics; all opportunities for great careers. We're saying to people, young and old, come try out these new technologies that are changing the world as we know it." (S)

## Thanks to our friends

Sheridan would like to thank its caring community of supporters for their tremendous generosity over the past year. As a result of these investments, programs have been invigorated, scholarships have been established and we continue to provide an environment that enables creativity and innovation to flourish.

Through the extraordinary participation of so many, we have bolstered our reputation as one of Canada's leading postsecondary institutions. Sheridan is significantly better today as a result of your commitment. Thank you for demonstrating your belief in what we can achieve.

#### PRESIDENT'S CIRCLE

\$1,000,000+

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Jeff Zabudsky

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## By the numbers

Postsecondary institutions around the world are renowned for the tremendous contribution they make to their home communities. Sheridan is no exception. Our presence extends across three West GTA cities and two regions. This data highlights the economic impact of our operating activities and quantifies the impact we're having to advance scholarship, research and creative activities for the benefit of our communities.



\$710.1M — Amount of added income generated in the regional workforce by former Sheridan students



Sheridan students contributed \$56.1M to our local economies through transportation, accommodation and other living expenses



## Amount added to the economies of Halton

# \$6,246,934

Amount of external funding for undergraduate research in 2014/15

900

The number of journal articles, technical reports, books, research posters and creative activities such as photographs, films, plays and artistic pieces completed by our professors

## 1,710 NUMBER OF STUDENTS INVOLVED IN RESEARCH

## Ŧ

1ST IN CANADA AMONG COLLEGES FOR THE NUMBER OF TOTAL RESEARCH PROJECTS COMPLETED (225)

# \$212.3M

Approximate amount added in income to the Halton and Peel regions due to Sheridan's day-to-day operations



## and Peel regions by Sheridan and its students

**298**+ NUMBER OF ORGANIZATIONS SUPPORTED THROUGH RESEARCH PROJECTS

20%

of Sheridan's full-time faculty members engaged in scholarship, research and creative activities, helping to capture and disseminate knowledge and allow innovation and creativity to flourish

#### **GET IN TOUCH**

#### Davis Campus

7899 McLaughlin Road Brampton, Ontario L6Y 5H9 T 905-459-7533

#### Hazel McCallion Campus

4180 Duke of York Blvd Mississauga, Ontario L5B 0G5 T 905-845-9430

#### **Skills Training Centre**

407 Iroquois Shore Road Oakville, Ontario L6H 1M3 T 905-845-9430

#### Trafalgar Road Campus

1430 Trafalgar Road Oakville, Ontario L6H 2L1 T 905-845-9430



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