

# Brave New Worlds

*2016-17 Year in Review*



Ryerson  
University

Graduate  
Studies

**How will  
you create  
change in  
the world?**





research

CITY BUILDERS

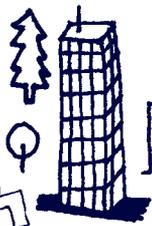
COM  
HYPER

DIVERSITY  
VIBRANT



VANIER  
Scholars

Faculty



26  
STUDE

# GRADUATE STUDIES

Reshape  
Our World



Policy

## CAMPUS

SMART

## IMAGINATION

## URBAN

## DREAM

# RYERS UNIVER

DUNDAS ST. 3

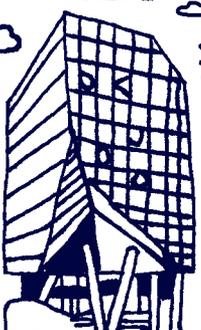
64 PR  
MT®

# ENERGY

• Three  
• Minute  
• Thesis

knowledge

GRADTalks



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# Let's go



Our graduate community is going places. Read on to see how our students, faculty and alumni are reshaping our world by doing work that matters. Join the journey of Canada's most creative, connected and entrepreneurial university for graduate education.

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MARK BLINCH

# Message from the Vice-Provost and Dean

Graduate education is your passport to an unlimited future in our ever-evolving world.

We are at an exciting juncture in human history, a time when technologies and previous paradigms are changing at an unprecedented rate. These days, we are anticipating a future we can't even imagine. As examples, 15 years ago blogging wasn't a

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**“EVERY DAY, WE  
ARE EXPLORING  
AND STAMPING OUR  
PASSPORTS.”**

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viable career and 3D printing was a mystery to most people. Today they are ubiquitous.

Fortunately, advancing knowledge to serve contemporary society is at the heart of what we do at Ryerson. Our diversity of perspectives, cultures and ways of knowing, be it empirical research, storytelling or artistic expression, make us well-equipped for these brave new worlds. Every day, we are exploring and stamping our passports.

More than ever, graduate education remains relevant for personal growth and public good. I see our students and colleagues doing extraordinary work that challenges perceptions and pushes boundaries as they envision a future in which anything is possible.

In today's increasingly complex and competitive work environment, our real-world, interdisciplinary approach provides passionate individuals with the education, skills and flexibility to thrive in rapidly changing careers and industries. At Ryerson, we are carrying this momentum as we move towards our goal of becoming a global urban innovation university.

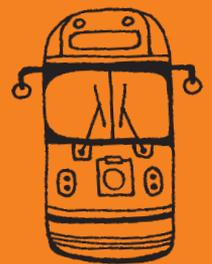
Graduate education has the ability to lift you up and those around you, be it your community, city, country or the world. And while the final destination may be unknown, one thing is certain - we are ready for the journey of a lifetime.

**Dr. Jennifer Mactavish**  
*Vice-Provost and Dean  
Yeates School of Graduate Studies*

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# Graduate studies today





<u>PROGRAMS</u>	<b>41</b> Master's	<b>15</b> PhD	<b>8</b> Professional Master's Diploma
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**2,629**  
Students\*

# Grad Studies

**934**  
YSGS Members

<u>NEW</u> <u>PROGRAMS</u>	<b>Criminology and Social Justice (MA)</b>	<b>Accounting (PMDip)</b>	<b>Canadian Business (PMDip)</b>
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FEDERAL AND  
PROVINCIAL  
SCHOLARSHIPS\*

\$5 million  
272

# at a Glance

VANIER  
SCHOLARS  
\*\*

10

57

Distinguished Visiting  
Professors\*\*\*

Finance for  
Social Innovation  
(PMDip)

Management of  
Technology and  
Innovation (PMDip)

# New programs, new paths

As our world changes, so does our approach to graduate education. This fall, we are excited to launch several offerings that serve the needs of contemporary society: a master's in Criminology and Social Justice from the Faculty of Arts, and four professional master's diplomas (PMDips) through the Ted Rogers School of Management.

## Criminology and Social Justice (MA) →

In classic Ryerson tradition, this highly anticipated graduate program combines theoretical education in criminology and socio-legal studies with real-world experience. Field placement

opportunities enable students to apply their knowledge while developing valuable networking, mentoring and career-related skills. Graduates are prepared for professional and leadership roles in private, public and non-profit sectors related to social justice, including local communities, NGOs, government, international organizations, law and academia.



New Professional  
Master's Diplomas



**Accounting**

Accredited by Chartered Professional Accountants (CPA) Ontario, this PMDip enables accounting graduates to advance their careers and work towards the CPA designation. The program employs active learning, guest speakers and extensive use of case studies, discussions and projects at the graduate level.

**Canadian Business**

Providing a solid understanding of the Canadian business environment and history, this PMDip prepares individuals for success as business owners or students of Canadian MBA programs emphasizing experiential learning.

**Finance for Social Innovation**

This PMDip presents a detailed overview of new instruments for funding and investing in organizations in the growing field of social innovation. Career opportunities range from investment advising to non-profit or social enterprise management.

**Management of Technology and Innovation**

In partnership with the Chief Information Officers Association of Canada, this PMDip develops leadership and management skills for executives with organizational responsibility for digital technology.

# Engaging our students

The Ryerson experience takes students beyond the classroom, with opportunities to expand their knowledge, receive support, connect and share their voices with the graduate community.

## Facebook page

In September, we launched our Ryerson University Graduate Studies Facebook page to better engage current and prospective graduate students. To date, the page has reached 1.5 million users and garnered more than 400 followers through weekly program spotlights, advertising and our popular Humans of Grad Studies feature, which showcases YSGS students, faculty, staff and alumni. Via Facebook Live, events such as GRADTalks (see below) reached a larger audience than ever before.

## GRAD “Why Ryerson?” and “My Voice, Our Future” contests

This year, 134 students participated in our two GRAD contests, by sharing why they chose Ryerson for their graduate education – in 20 words or less – and who they are and where they are headed in 60-second videos.

The top “Why Ryerson?” entries were immortalized on a vibrant mural at the YSGS office at 1 Dundas St. W. Additional entries grace the halls as part of the ongoing celebration of the creativity, talent and diversity of our graduate community.

## “Why Ryerson?” contest winners

### 1st Place

“At Ryerson, you’re surrounded by a vibrant, global energy, where everything is possible; it pulses with life.” *Kathleen Stewart, Psychology MA*

### 2nd Place

“I chose Ryerson for my graduate education because of the depth of expertise and diversity of culture found on campus.” *Joseph Ariwi, Spatial Analysis MSA*

### 3rd Place

“Ryerson offers interdisciplinary graduate programs that connect all six academic faculties to help students achieve their personal and professional goals.” *Anam Ahmad, Environmental Applied Science and Management MSc*

### Honourable mentions

“As an aspiring entrepreneur, resources available here will take me from where I am to where I want to be.” *Nelson Kimron Corion, Digital Media MDM*

“Nowhere else has a practicum for English; that kind of opportunity is remarkable.” *Adriana Sgromo, Literatures of Modernity MA*

“I chose Ryerson for its ability to welcome a variety of students from diverse backgrounds into its community.” *Christine Sweeny, MBA Global*



Dr. Jennifer Mactavish  
congratulates GRAD  
contest winner  
Joseph Ariwi.



### **“My Voice, Our Future” video contest winners**

#### **1st Place**

*Annika Waddell, Fashion MA*

#### **2nd Place**

*Joseph Ariwi, Spatial Analysis MSA*

#### **3rd Place**

*Vibhushan Soundrarajah, Digital Media MDM*

#### **Honourable mentions**

*Angelique Bernabe, Economics PhD*

*Sharah Haque, Nursing MN*

*Tihmily Li, Digital Media MDM*

### **GRADTalks**

More than 100 students attended this year’s panels, “Professional Skills Panel: Tools for Success after Grad School” and “Achieving GRAD Balance.” The latter presented tools for managing time and maintaining wellness, including a mindfulness exercise and healthy cooking demo – both firsts for GRADTalks. The Faculty of Engineering and Architectural Science also hosted a “Life After PhD” panel which was well-received by graduate students.

### **GRADCafé**

Forty-three grad students participated in two more sessions of GRADCafé, a platform for extending conversations and connections with students, hosted by the Vice-Provost and Dean, and Associate Dean, Students and Programs. Students explored the themes of leadership, ownership of the university and navigating collegiality.

### **Three Minute Thesis Competition**

Psychology master’s student Ella Dubinsky won Third Place and the Participants’ Choice award at the Ontario Three Minute Thesis (3MT®) Competition at the University of Waterloo in April. As a regional finalist, Dubinsky advanced to the virtual National 3MT® Competition in May.

Based in Ryerson’s SMART Lab, Dubinsky is researching how singing can improve hearing in aging adults through weekly choir sessions and online musical training (see profile on page 20).

### **Promoting wellness**

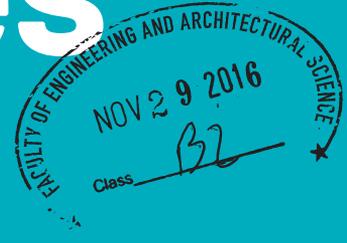
Dr. Maria Chaparro (C. Psych) and David McNeill provided counselling support to graduate students throughout the academic year. Four workshops for graduate students covered topics ranging from preventing procrastination to managing relationships, time and energy.

“Having the opportunity to work with the graduate student population has been an incredibly rewarding and enriching experience,” says Dr. Chaparro. “Graduate students face very unique challenges and needs, but they also have a unique set of strengths. They are goal-driven, motivated for change and show a great amount of resilience.”

To promote wellness among YSGS staff, Dr. Chaparro and Dr. Diana Brecher also facilitated three ThriveRU sessions based on the Five Factor Model of Resilience. The ThriveRU program aims to empower individuals through mindfulness, gratitude, optimism, self-compassion and grit.

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# Profiles





Meet our explorers – the students, faculty and alumni whose extraordinary vision and passion drive us toward a bold and bright tomorrow.

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# Making Elon Musk's hyper pipe dream come true

## Ryerson's International Hyperloop Team

*Aerospace Engineering  
Faculty of Engineering &  
Architectural Science*

**O**ne morning, Graeme Klim could conceivably hop into a pod in Toronto, whisk east to Montreal for freshly baked Fairmount bagels and zip back west to enjoy them, still warm, with smoked salmon for brunch with his girlfriend Kelly Firth – in Victoria, B.C.

Such is the future envisioned by Elon Musk, whose SpaceX corporation plans to revolutionize travel with an ultra-speed, carbon-neutral mode of transit previously reserved for episodes of *Futurama*. The Hyperloop would zoom passengers between major cities through a network of massive depressurized tubes at





Graeme Klim,  
Ryerson's  
International  
Hyperloop Team  
(RIHT) lead

RIHT members and their award-winning Hyperloop wheel subsystem



1,000 km/h. First up: two tubes connecting San Francisco and Los Angeles, with an estimated Golden-Gate-to-Disney-gate commute of just 30 minutes. Soon, the answer to “Are we there yet?” may be a resounding “Yes!”

SpaceX recently invited individuals from around the world to a Hyperloop pod competition hosted by Texas A&M University, where Ryerson’s International Hyperloop Team (RIHT), led by Klim, was the only Canadian team to win an award. Klim’s handpicked crack team, consisting of fellow Aerospace Engineering graduate students Moeid Elahi, Min Prasad Adhikari, Wintta Ghebreyesus and undergraduate students Tayo Shonibare and

Jesse Brito, was honoured with a Subsystem Innovation Award for its compact, multipurpose wheel system for deployment upon entering a station or during pod failure. Unlike other wheel subsystems, theirs ingeniously combines extension, retraction, shock absorption and height adjustment into one elegant unit.

And whereas other university teams had as many as 100 members, Klim prides RIHT on its success given its small size. “I can’t stress enough how hard everyone worked,” says Klim. “It just goes to show that anyone, as long as you have passion and a supportive network, can do anything if you put your mind to it.”

Based on the team’s success, RIHT garnered the attention of industry professionals and raised \$200,000 from 20 sponsors, including Altair Engineering and Burloak Technologies, who provided technology to 3D-print metal components. In January, RIHT travelled to Hawthorne, Calif. to present its innovative invention at SpaceX headquarters.

For now, Klim’s long-distance relationship with Firth remains a challenge. But he sees the Hyperloop’s incredible potential and looks forward to it becoming a reality for people around the world, especially in a country as expansive as Canada.

“The Hyperloop will fundamentally change the way we live our lives. It would bring us together as a nation from coast to coast like never before.”

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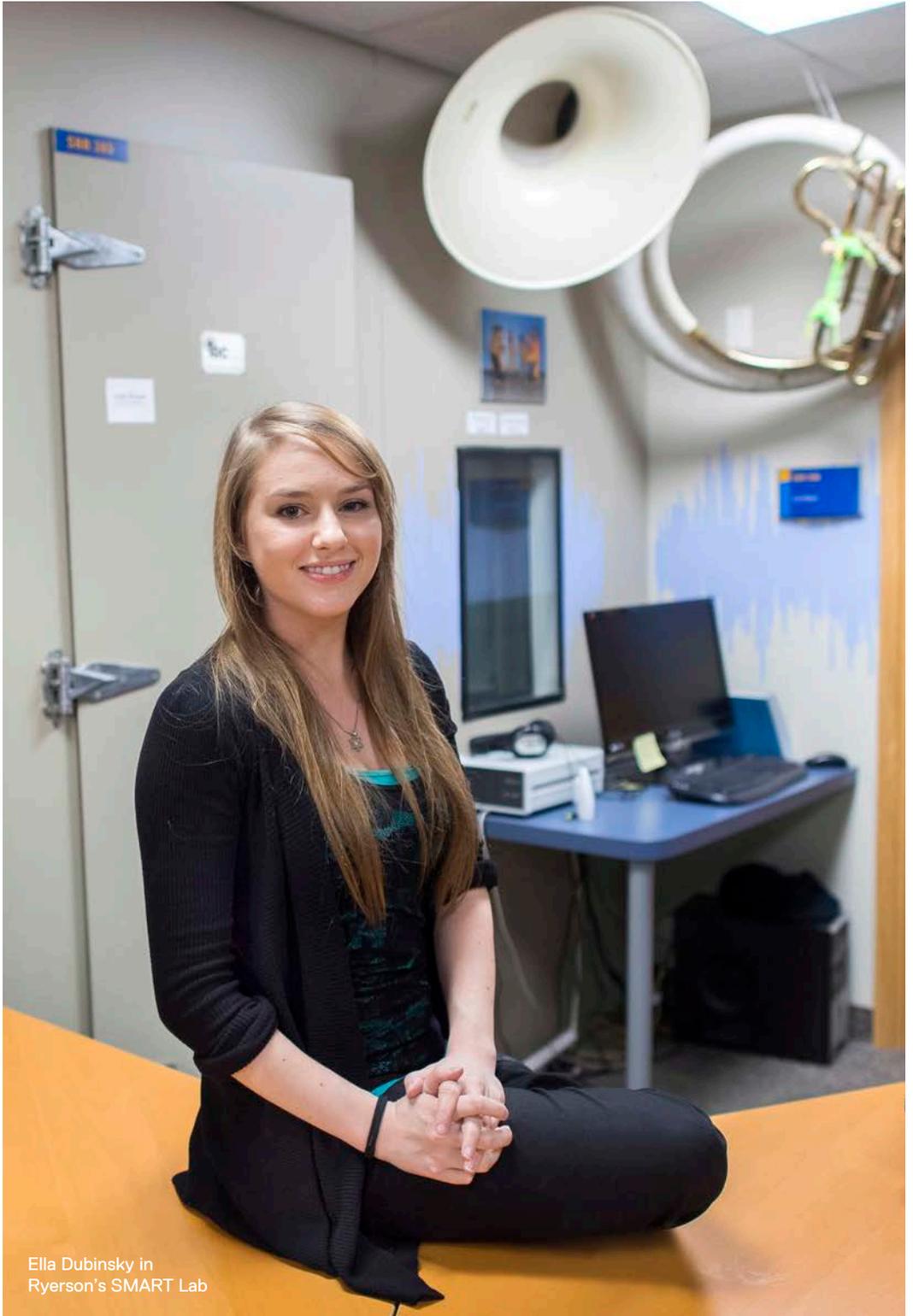
**“THE HYPERLOOP WILL  
FUNDAMENTALLY CHANGE  
THE WAY WE LIVE OUR LIVES.  
IT WOULD BRING US  
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FROM COAST TO COAST  
LIKE NEVER BEFORE.”**

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RIHT member  
Wintta Ghebreyesus



RIHT showcases its  
innovative design at  
SpaceX headquarters in  
Hawthorne, Calif.



Ella Dubinsky in Ryerson's SMART Lab

# Singing to change your brain

**Ella Dubinsky**

*Student, Psychology MA*

*Faculty of Arts*

**O**n a sunny spring afternoon, Ella Dubinsky is holed up with a senior named Gail in a closet-sized soundproof booth on campus. The ebullient

Psychology master's student is guiding Gail through three hours of sensory tests in Ryerson's SMART (Science of Music, Auditory Research and Technology) Lab, founded by Frank Russo, a Psychology professor and Dubinsky's research supervisor. Through her research, Dubinsky hopes to improve hearing in aging adults using an unlikely method – choir singing.

A lifelong musician with a background in neuroscience and mathematics, Dubinsky is leading participants aged 50-and-older through a 10-week “brain boot camp” consisting of group choir sessions and online musical training to re-calibrate neurological processes. Not to be out-acronymed by Dr. Russo, Dubinsky's project is affectionately dubbed SINGS (Seniors Improving Neurocognitive Goals through Song).

When people sing, they create a quick feedback loop as they hear their own voices. Dubinsky's hypothesis is that singing strengthens neuronal circuits and improves



Dubinsky recruits research participants from a 50-plus singing class at Ryerson.



hearing and pitch detection. So far, the results are promising: choir participants have shown significant improvements across various auditory metrics, particularly speech-in-noise perception, or the ability to discern voices in a crowded room. This capability diminishes with age, and can lead to social withdrawal and isolation. Hearing aids, however, do not solve this problem since they do not compensate for a person's neuronal degradation.

"The risk with any arts-based intervention is that it's often dismissed as Pollyannaish, which is why it's so important to be doing this research in such a rigorous way," says Dr. Russo, who lauds Dubinsky for her thoroughness and creating her own data-processing pipeline, a tool normally developed over many years.

Dubinsky's research has already captured the public's imagination. She placed third and won the Participants' Choice award at the 2017 Ontario Three Minute Thesis (3MT®) Competition. This summer, SINGS will go global when Dr. Russo and Dubinsky present their findings at Harvard University during an international neuromusic conference.

"Everyone at Ryerson has been so supportive every step of the way, especially my supervisor Dr. Frank Russo, [Graduate Program Director] Dr. Julia Spaniol and [Graduate Program Administrator] Alicia VanDeWeghe," says Dubinsky, who will commence PhD studies at Ryerson this fall. "They are all wonderful and I couldn't do it without them."

Dubinsky believes her research could improve the quality of life and happiness of aging adults around the world – in a way that's fun and engaging. "Music is magical. It permeates parts of ourselves like nothing else." 🌍

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**“MUSIC IS MAGICAL.  
IT PERMEATES PARTS  
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NOTHING ELSE.”**

# Breaking the brown barrier

**Dr. Kamal Al-Solaylee**

*Faculty member*

*Faculty of Communication*

*& Design*

**K**amal Al-Solaylee wasn't always brown. From his birth in Yemen in the 1960s, through his formative years in Egypt and PhD studies in England in the 1990s, people from the Middle East like his family were considered part of the white majority. That changed after the 9/11 terrorist attacks in the United States.

Just one year after becoming a Canadian citizen, Dr. Al-Solaylee suddenly found himself asterisked "Arab-Canadian" - in other words, brown. The Journalism professor's latest book, *Brown: What Being Brown in the World Today*





Dr. Kamal Al-Solaylee,  
Journalism professor and award-  
winning author of *Brown*

*Means (to Everyone)*, explores the shifting identity and implications of being non-white in contemporary societies. The bestseller has won many accolades, including the prestigious Shaughnessy Cohen Prize for Political Writing, and was shortlisted for the 2016 Governor General's Literary Award.

Dr. Al-Solaylee defines brown people as “the world’s largest HR department,” providers of low-paid, labour-intensive work who are relegated to behind-the-scenes roles in the global narrative. This tension is manifested in a hypersensitivity to the skin-tone scale: “Being brown is premised on a worship of whiteness and a fear of blackness.”

His previous book, *Intolerable: A Memoir of Extremes*, was also a commercial and critical success (both books were made possible, in part, by creative grants from Ryerson). Initially, however, his pitch for a memoir about growing up gay in the Middle East was resolutely rejected by every publisher in town.

“As a writer of colour, you always have to prove your validity,” Dr. Al-Solaylee told a roomful of budding journalists during his keynote at the inaugural Ryerson Review of Journalism conference on a soggy afternoon in April.

With an impressive career including five years as the Globe and Mail’s resident theatre critic, Dr. Al-Solaylee has surpassed the limitations

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**“BEING BROWN IS  
PREMISED ON A WORSHIP  
OF WHITENESS AND  
A FEAR OF BLACKNESS.”**

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of the ethnic byline, although it continues to hinder diverse writers. In the wake of President Donald Trump’s election, Brexit, the Quebec City mosque shooting and the rise of white nationalism around the world, Dr. Al-Solaylee says diverse voices are needed more than ever.

“Our stories play a more political role now. They become symbols of resistance, a reminder that we exist. They show that our lives are rich, complex and worthy of attention.”

If anything can alleviate the anxiety of being brown in the world today, Dr. Al-Solaylee points to one solution in the face of racial turmoil: “Like anything, education can be used for good and bad. I still believe in education.” 🌐





# Healing with hip hop

**Dr. Jennifer Lapum  
& Dr. Jennifer Martin**

*Faculty members*

*Faculty of Community Services*

**J**ennifer Lapum and Jennifer Martin share more than the same first name – they also both believe dance can heal.

Sole Expression, their five-year research project – in collaboration with Boost Child and Youth Advocacy Centre and Unity, a charity that empowers youth through hip hop – will determine whether a trauma-informed dance program is effective in reducing trauma symptoms for youth on waitlists as long as 18 months. Typically, trauma treatment involves cognitive behavioural therapy, in which clients

discuss past abuse with a counsellor.

However, there can be a tendency to dissociate from one’s body and stay in one’s head.

“Trauma is held in the body. Dancing can help people deal with trauma and reconnect with their bodies,” says Dr. Lapum, a professor at the Daphne Cockwell School of Nursing who specializes in arts-based research, including dance-informed therapy for individuals with Parkinson’s disease.

Backed by \$1.1 million from the Public Health Agency of Canada, including a sub-grant of \$262,000 to Ryerson, the project’s 10-week

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**“TRAUMA IS HELD IN  
THE BODY. DANCING CAN  
HELP PEOPLE DEAL WITH  
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WITH THEIR BODIES.”**

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program involves teaching hip-hop choreography, mindfulness and movement to groups of 14 to 16 young people who have experienced abuse. During the course of the program, participants get to know their bodies, make connections with each other and become part of a community.

Dr. Lapum and Dr. Martin will measure participants’ trauma through surveys before and after the program. To obtain a complete picture, facilitators of the dance program will also be interviewed. Assisting with Sole Expression are research co-ordinator Dr. Sara Cowan, a Psychology PhD alumna; research assistants Emmie Henderson-DeKort, a Child and Youth Care (CYC) master’s student and Cassandra Myers, a CYC undergraduate student; and advisory committee member Joe Blake, a CYC master’s student.

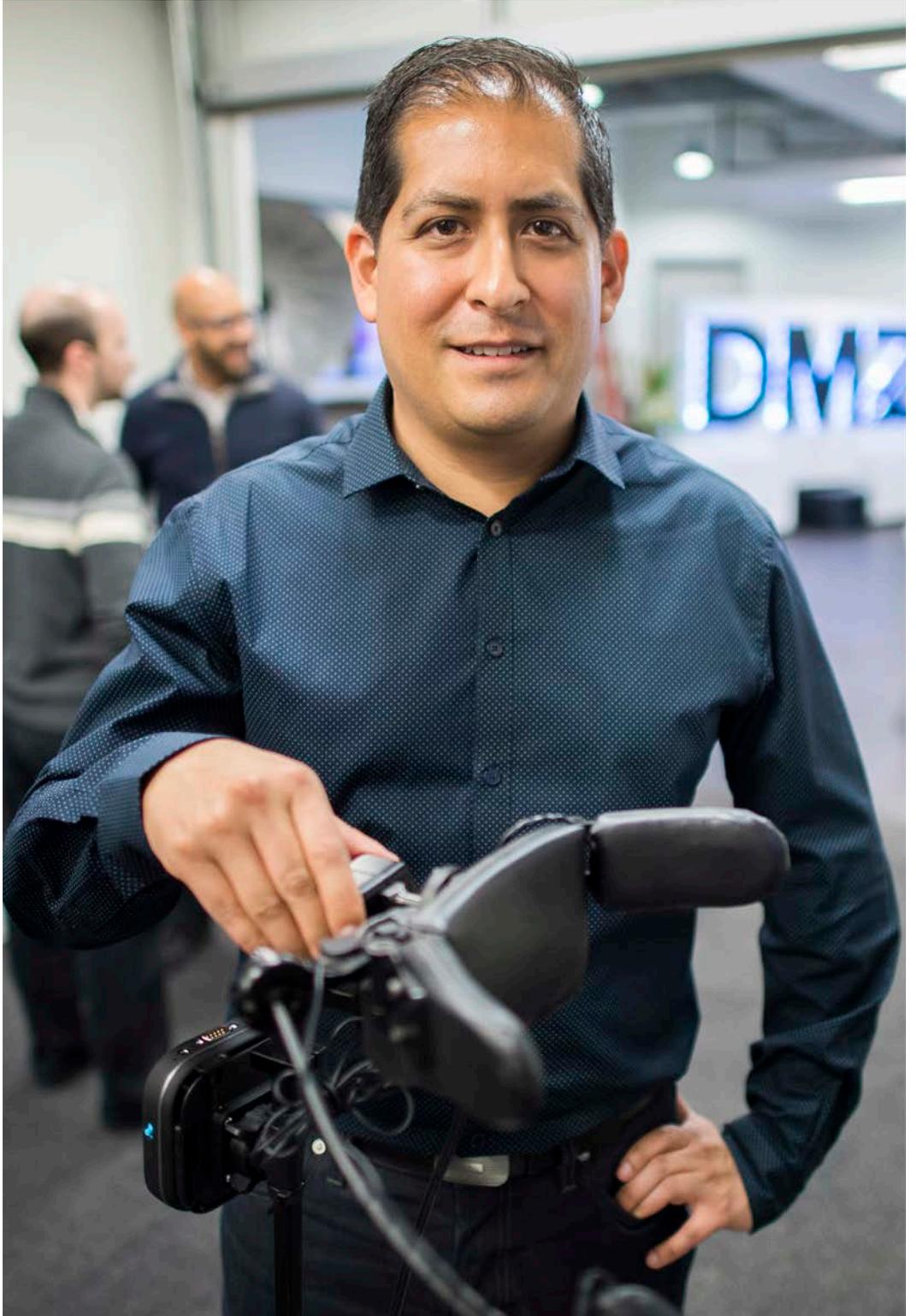
This summer, Sole Expression will run its second pilot program followed by a larger intervention study in both Toronto and Muskoka for 300 youth participants. Ultimately, Dr. Lapum and Dr. Martin will work with Boost and Unity to develop a manual for the trauma-informed dance program and disseminate it through child and youth advocacy centres across Canada.

“I love working from an interprofessional place, sharing our passion for the disciplines we represent and learning from each other’s expertise,” says Dr. Martin, director of the graduate CYC program. “The Faculty of Community Services is truly a community. We are a microcosm of society, working holistically to improve the well-being of people in their environments.” 🌐





Clockwise from left: Sole Expression research team members Emmie Henderson-DeKort, Dr. Jennifer Lapum, Dr. Jennifer Martin, Dr. Sara Cowan and Cassandra Myers. Absent: Joe Blake.



# Opening possibilities with inclusive tech

## Mauricio Meza

*Alumnus*

*MBA in Management of*

*Technology and Innovation*

*Ted Rogers School of Management*

I t's the first thing Owen McGirr turns on in the morning and the last thing he turns off before going to bed each day in the picturesque town of Donegal, Ireland. It's how the twentysomething programmer with cerebral palsy communicates with others - and how he met the love of his life, his girlfriend Catriona Duffy.

McGirr is one of 3,000 users in 22 countries who rely on Tecla, an assistive device that enables persons with disabilities to use mobile devices via switches such as wheelchair driving controls.

“Technology is so, so vital for everyone but for disabled people it's a gateway to a relatively normal life,” writes McGirr, who met Duffy on Facebook using Tecla. “Everyone deserves normality.”

Naturally, the sentiment is shared by Tecla's creators, Mauricio Meza and Jorge Silva, who met once upon a time in their homeland of Mexico. Spanish for “keyboard,” Tecla was nurtured during the early days of the DMZ, back when the Ryerson startup incubator only occupied one floor at Yonge and Dundas Streets instead of four. Today their company,





Ted Rogers MBA alumnus Mauricio Meza demonstrates the new Tecla-e to user Neil Mercer at the DMZ.

Komodo OpenLab, boasts eight staff members including Master of Digital Media student Hilary Julien.

Tecla's origin traces back to Meza's days as an assistive tech leader and consultant at the Toronto Rehabilitation Institute, where he saw a gap between patients' needs and the state of technology. Because they were unable to use a touchscreen, they were essentially shut out from new and increasingly vital devices such as smartphones and tablets. "Working with researchers, I saw lots of potential for new products but they would never make it to market."

To gain a solid foundation in business and product development, Meza chose Ryerson's specialized MBA in the Management of Technology and Innovation. Through the DMZ, he and Silva were granted instant validation and access to a vast network of senior advisors, tech developers and community of entrepreneurs. While sectors vary, they found that startup growing pains – and solutions – are often similar. "It would have been a lot harder without the DMZ," says Meza.

In April, Komodo launched its latest product, Tecla-e, an internet-enabled device capable of controlling multiple devices, including smart appliances. Caregivers can also track users through the app's location services, providing peace of mind.

Neil Mercer, a Tecla user with Becker muscular dystrophy, is one of many people looking forward to the new version. "Tecla totally changed my life. I use it 24 hours a day," he says. "To be able to use a smartphone to call, text and email just like everyone else is really liberating." 🌐

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**“TECHNOLOGY IS SO,  
SO VITAL FOR EVERYONE BUT  
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IT'S A GATEWAY TO A  
RELATIVELY NORMAL LIFE.”**

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# Better living through science

**Dr. Tracy Lackraj**

*Alumna*

*PhD, Molecular Science*

*Faculty of Science*

**A**nyone who has suffered from food poisoning, whether in Cuba or Canada, will appreciate Tracy Lackraj's quest to prevent *E. coli* infection and outbreaks.

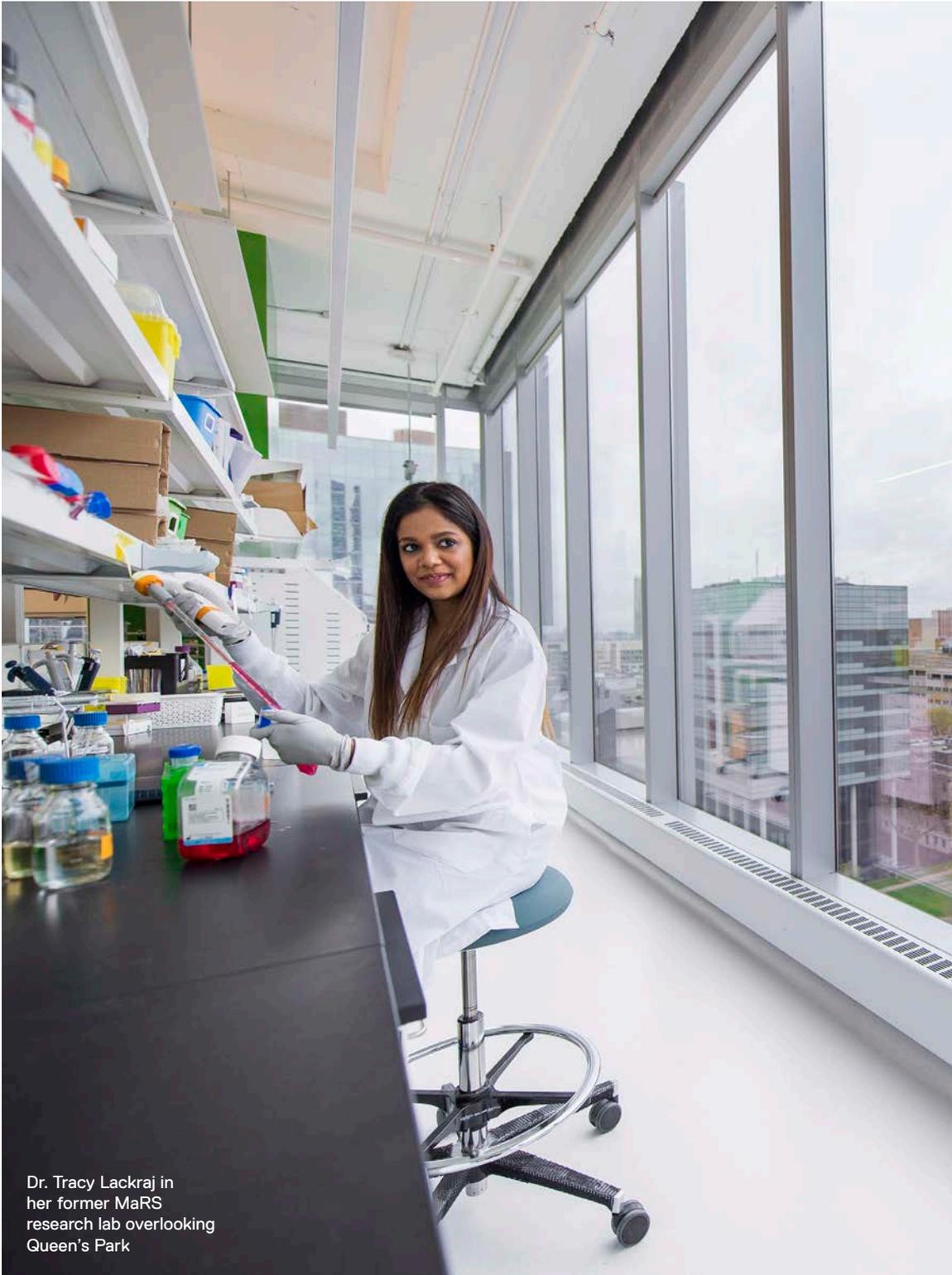
In particular, her PhD research focused on the strain known as *Enterohemorrhagic E. coli* (EHEC), which can cause severe foodborne illnesses that can be fatal.

In collaboration with SickKids hospital, Dr. Lackraj explored the potential of an antimicrobial agent in preventing EHEC from infecting its host. Her research found that the antimicrobial agent was effective in preventing infection in mice. Her thesis also demonstrated that the concentration of short-chain fatty acids (SCFAs) typically found in the human small

intestine caused EHEC to mobilize toward the large intestine, while a concentration of SCFAs in the large intestine caused them to settle down and express virulent proteins, which could lead to a greater potential for infection.

By understanding how EHEC reacts to stressors in the gastrointestinal tract, researchers could one day target pathogens before they are able to infect their host. Through further research, people could foreseeably minimize their risk of EHEC infection by changing their diets to produce gastrointestinal conditions that are disadvantageous to bacteria.

Throughout her PhD studies, Dr. Lackraj was supported by her thesis supervisor, Dr. Debora Foster, director of the Molecular Science graduate program. "Debora nurtured my strengths,



Dr. Tracy Lackraj in her former MaRS research lab overlooking Queen's Park



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**“MY SUPERVISOR NURTURED MY STRENGTHS AND PUSHED ME TO BE THE BEST VERSION OF MYSELF.”**

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encouraged me to work on my weaknesses and pushed me to be the best version of myself,” says Dr. Lackraj, currently a postdoctoral fellow at Princess Margaret Cancer Centre.

To help her overcome a fear of public speaking, Dr. Foster encouraged her to present her research at the Canadian Society of Microbiologists Conference in Ottawa. Despite a hectic schedule, Dr. Foster flew in from Toronto that morning to provide moral support, and flew back that afternoon.

“I loved my program for its family-type environment,” says Dr. Lackraj. “From my first year, I knew all the faculty and felt very comfortable approaching them whenever I needed help.” Outside of the lab, Dr. Lackraj was actively involved with the Molecular Science Graduate Course Union and Women in Science at Ryerson, which offers support and career resources for female scientists.

During her PhD, Dr. Lackraj realized her heart was in cancer research, partly due to the fact that her father was diagnosed with multiple myeloma in 2002. Currently, she is investigating the molecular basis of follicular lymphoma, and how a patient’s genetic makeup can alter the course of disease. Dr. Lackraj aims to identify genetic biomarkers that predict outcomes of cancer treatment, specifically resistance to chemotherapy and mutations linked to the progression of follicular lymphoma into more aggressive cancers.

Although the organisms studied in her PhD thesis and current postdoctoral work are vastly different, the research techniques are similar, as is Dr. Lackraj’s ultimate goal – to make lives better through science. 🌐

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# Celebrating student success

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# Celebrating student success

We salute these student leaders for outstanding achievements that inspire us to strive ever higher for excellence in graduate education.

## Governor General's Academic Gold Medal

Electrical and Computer Engineering PhD student **Sebastián Rivera Iunnissi**'s thesis focused on high-power converter topologies for electric-vehicle charging stations. Based on his research, Iunnissi published four journal papers and had another two accepted in the world's top power-electronics journals. He also published more than 10 Institute of Electrical and Electronics Engineers conference papers.

## Ryerson Gold Medals

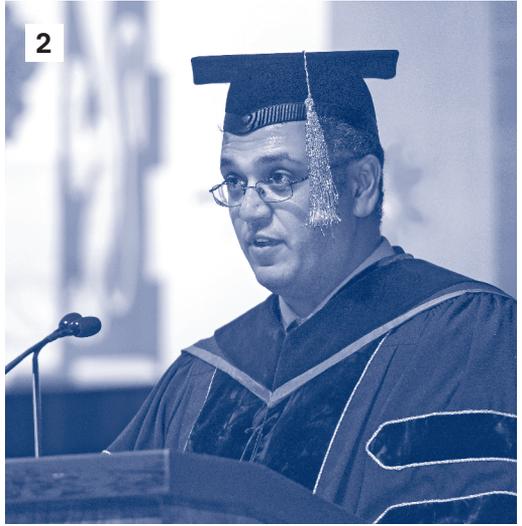
As a member of the Ryerson Planning Graduate Student Association, Urban Development master's student **Emma Abramowicz** (1) developed a networking night to connect fellow students with industry professionals. Outside the classroom, Abramowicz was a finalist in the 2016 Cities of Tomorrow Showcase, collaborated with artists and developers to beautify underutilized spaces through the PATCH Project, and was a volunteer program and research intern at Heritage Toronto and the Ontario Heritage Trust.

With 33 research publications to date, Civil Engineering PhD student **Mahmoud Sayed Ahmed** (2) was president and co-founder of the Civil Engineering Graduate Program Association, founder of the Civil Engineering Graduate and Alumni Society, and a student member of the Canadian Society for Civil Engineering. Beyond Ryerson, Ahmed was also active in parent advisory groups for the Toronto District School Board and Nelson Mandela Park Public School.

Philosophy master's student **Jeremy Dawson** (3) made a substantial contribution to his field as an editorial assistant for the Canadian Journal of Philosophy. He also supported his program by establishing a reading group on classic texts in analytic philosophy, helping to organize a research group on logic, participating in another on feminist theory and serving as a reviewer for the 2016 Ryerson Philosophy Graduate Conference.

In addition to her Gold Medal, Master of Digital Media student **Laurence Butet-Roch** (4) also received a Board of Governors Student Leadership Award and Medal for her exceptional contributions to scholarly research, the university and human rights activism. From work within the Indigenous community to student involvement and professional accolades, Butet-Roch is a highly accomplished professional and outstanding ambassador for Ryerson.

**Catherine Lachowskyj**, a master's student in Film + Photography Preservation and Collections Management, is an accomplished writer, editor and researcher. Her research explores vital contemporary questions involving post-colonial theory, globalization, and the expansion and recalibration of the history of photography to understand and celebrate important, previously marginalized photographic work. Lachowskyj also received a prestigious Manfred & Hanna Heiting Fellowship for photo-historical research. Already, Computer Science master's student



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**Adam Harley** has accumulated an impressive list of research achievements, including four peer-reviewed papers and a best student paper award at a premier international conference. Harley also gained valuable international experience by conducting research abroad at École Centrale Paris. He is currently on a full PhD scholarship at The Robotics Institute at Carnegie Mellon University.

**Michael Rowden**, MBA in the Management of Technology and Innovation, produced a cutting-edge, well-received major research paper on Bitcoin as an investment instrument. He also served as a research assistant studying the ethical and social aspects of cryptocurrencies. As a key member of Ryerson's MBA team that competed in a prestigious sports analytics case competition in Phoenix, Ariz. Rowden was instrumental in the team's second-place finish against top-tier American universities.

### **C. Ravi Ravindran Outstanding Doctoral Thesis Award**

As a Chemical Engineering PhD student, **Ali Kamel H. Al Jibouri** received a total of 14 awards and scholarships. In addition to the C. Ravi Ravindran Outstanding Doctoral Thesis Award, Al Jibouri also received the Norman Esch Engineering Innovation and Entrepreneurship Award. To date, he has published four papers in reputed refereed journals, presented at 10 conferences and registered one patent.

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### Dennis Mock Student Leadership Awards

Established in honour of former Vice-President, Academic Dennis Mock, these awards recognize graduating students for their outstanding contributions to Ryerson through extracurricular involvement and commitment to making a difference.

**Tracy Lackraj**, *Molecular Science PhD* (see profile on page 36)

**Maryam Rastgar-Jazi (5)**, *Electrical and Computer Engineering MASC*

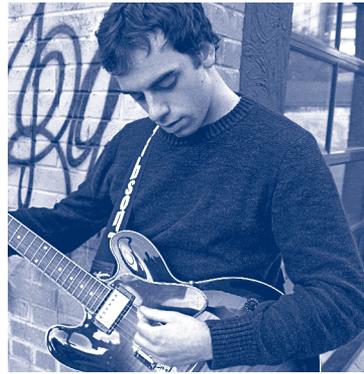
**Amar Unadkat (6)**, *Ted Rogers MBA*

**Brittany Jamieson (7)**, *Psychology PhD*

### Dennis Mock Graduate Scholarship

**Julian Muia (8)**, Media Production was recognized for his outstanding academic accomplishments as a first-year master's student. His major research paper explores the relevance of the Canadian Radio-television and Telecommunications Commission's Cancon (Canadian content) rules for the music industry in the digital age.

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CARMEN MATUS

### Federal doctoral awards

Congratulations to the following PhD recipients of tri-council research funding for 2016-17:

CIHR (Canadian Institutes of Health Research):

**Kirstyn Krause**, *Psychology*

**Tamara Meixner**, *Psychology*

**Kathleen Tallon**, *Psychology*

NSERC (Natural Sciences and Engineering Research Council):

**Muhannad Fadhel**, *Biomedical Physics*

**Reyhaneh Nosrati**, *Biomedical Physics*

**Evan Ronan**, *Environmental Applied Science and Management*

**Patrick Ronan**, *Environmental Applied Science and Management*

**Eli Vandersluis**, *Mechanical Engineering*

SSHRC (Social Sciences and Humanities Research Council):

**Gabriele Aroni**, *Communication and Culture*

**Alessandra Gallo**, *Psychology*

**Alexandra Irwin**, *Psychology*

**Amanda Piche**, *Communication and Culture*

**Jessica Sutherland**, *Psychology*

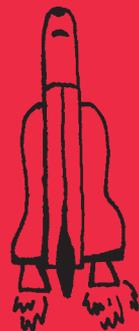
**Marc Valade**, *Policy Studies*

**Esztella Vezer**, *Psychology*

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# Supporting our students





# Supporting our students

Recipients of the YSGS Outstanding Contribution to Graduate Education Award exemplify excellence in teaching, mentoring, research and collaboration.

**Dr. Candice Monson (1)**, Psychology, is a renowned expert in trauma and PTSD whose exceptional contributions to graduate education have profoundly influenced the careers of her students. She was instrumental in launching Ryerson's Psychology Training Clinic and obtaining the graduate program's accreditation from the Canadian Psychological Association. Dr. Monson was recognized in 2015 with mentoring awards from the Ontario Psychological Association and the Canadian Council of Professional Psychology Programs.

With more than 86 journal papers, four book chapters and 150 conference proceedings and presentations, **Dr. Mehrab Mehrvar (2)**, Chemical Engineering, has made significant contributions to environmental health and engineering. He has supervised or co-supervised more than 40 graduate students, including nine PhDs. Dr. Mehrvar encourages his graduate students to think broadly and be curious about critical points in their research.

**Dr. Krishnan Venkatakrishnan (3)**, Mechanical and Industrial Engineering, is a recipient of the Ontario Early Researcher Award and two-time recipient of the Research Excellence Award. To date, Dr. Venkatakrishnan's research has resulted in more than 120 journal publications, 1,200 citations and eight patents. He has supervised more than 30 graduate students, two of whom now have faculty positions at Canadian universities.

An exceptional teacher, influential mentor, authentic leader and valued colleague, **Dr. Pamela Robinson (4, right)**, Associate Dean, Faculty of Community Services (FCS), has had a tremendous impact on the growth of graduate students and alumni as individuals, scholars and impassioned planners. Dr. Robinson's mentorship as associate dean also fosters a sense of community in which FCS graduate program directors share best practices to ensure students succeed in their chosen professions.



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The Master of Professional Communication (MPC) program benefited tremendously from **Dr. Wendy Freeman's (5)** vision, dedication and leadership. She is lauded for her strong commitment to inclusiveness and transparency in decision-making, her passion for innovative and career-oriented graduate teaching and learning, her encouragement and support for rigorous research, and her conscientious stewardship of the program's human and financial resources.

The research director of the Privacy and Big Data Institute, **Dr. Ali Miri (6)**, Computer Science, is a dedicated and compassionate mentor who has supervised more than 70 students to date. He also served on research advisory committees for nearly 100 students at Ryerson and other universities, and is currently serving on all departmental graduate committees. Dr. Miri has co-authored and published more than 200 manuscripts, books and patents with his students.

**Dr. Deborah Fels**, Ted Rogers School of Information Technology Management, contributes extensively to graduate education through research, teaching and academic leadership. She served as chair of the inaugural TRSM Graduate Program Council for two years. Through the Inclusive Media and Design Centre and her considerable research funding, graduate students have received financial support and significant opportunities to learn research skills across technical, qualitative and quantitative boundaries.

### Acknowledgements

Graduate education is a shared endeavour that depends on the dedicated efforts of numerous individuals across the university. Thank you to staff from all departments who support our collective goal of fostering tomorrow's groundbreakers and changemakers. Here, we also recognize two faculty members for their significant contributions as they conclude their posts at YSGS.

YSGS commends **Dr. Anthony Bonato (7)** for his years of leadership as Associate Dean, Students and Programs. A devoted mathematics scholar and mentor, Dr. Bonato has been actively involved with graduate education at Ryerson since the inception of the Applied Mathematics master's program in 2009. His dedication to graduate student supervision was recognized in 2012 with an inaugural YSGS Outstanding Contribution to Graduate Education Award.

Since 2012, **Dr. Paul Moore (8)** served as graduate program director of the Communication and Culture joint program with York University. He has also been instrumental in supporting the graduate scholarship process at the faculty level. YSGS thanks Dr. Moore and wishes him the best on his upcoming sabbatical.

# Who we are

## Associate Deans with Graduate Responsibilities

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### Faculty of Arts

#### Dr. Janet Lum

*PhD, Social and Political  
Thought, York University*

Research areas: home and  
community care for older  
people and people with  
disabilities, supportive housing,  
health human resources, health  
policy, equity and human rights

### Faculty of Communication & Design

#### Dr. Jean Bruce

*PhD, Humanities,  
Concordia University*

Research areas:  
multiculturalism and  
sexuality in Canadian cinema;  
melodrama and visual culture;  
advertising and consumer  
culture; property television  
in trans/national contexts

### Faculty of Community Services

#### Dr. Pamela Robinson

*PhD, Environmental Geography,  
University of Toronto*

Research areas: urban  
sustainability, environmental  
design, environmental  
planning, urban governance,  
civic technology, open  
government, public  
engagement and progressive  
pedagogy

### Faculty of Engineering and Architectural Science

#### Dr. Miljana Horvat

*PhD, Building Engineering,  
Concordia University*

Research areas: solar energy  
and architecture, advanced  
energy-efficient facades,  
sustainability

### Faculty of Science

#### Dr. Michael Kolios

*PhD, Medical Physics,  
University of Toronto*

Research areas: ultrasound  
imaging, acoustic microscopy,  
optoacoustic imaging,  
optoacoustic microscopy, use  
of microbubbles for imaging  
and therapy, bioheat transfer,  
hyperthermia, thermal  
therapies, optical coherence  
tomography applications

### Ted Rogers School of Management

#### Dr. Kelly MacKay

*PhD, Leisure Studies,  
University of Illinois*

Research areas: destination  
image, special interest  
and community tourism,  
information technology  
and tourism

## Graduate Program Directors

### Aerospace Engineering

#### Dr. Jeffrey Yokota

*PhD, Mechanical and Aerospace Engineering, Cornell University*

Research areas: aerodynamics, propulsion and mathematical fluid dynamics

[jyokota@ryerson.ca](mailto: jyokota@ryerson.ca)

416-979-5000, ext. 4173

[ryerson.ca/graduate/programs/aerospace-engineering](http://ryerson.ca/graduate/programs/aerospace-engineering)

### Architecture

#### Dr. John Cirka

*PhD, Media and Communication,*

*European Graduate School*

Research areas: time, digital design, geometry, form

[jcirka@ryerson.ca](mailto: jcirka@ryerson.ca)

416-979-5000, ext. 6491

[ryerson.ca/graduate/programs/architecture](http://ryerson.ca/graduate/programs/architecture)

### Biomedical Engineering

#### Dr. Stephen Waldman

*PhD, Mechanical Engineering, Dalhousie University*

Research areas: in-vitro development of functional soft connective tissue, mechanical stimulation of cells and mechanical conditioning of the developed tissue, perfusion bioreactors for tissue engineering, influence of nutrient delivery and supply on tissue formation

[swaldman@ryerson.ca](mailto: swaldman@ryerson.ca)

416-979-5000, ext. 4200

[ryerson.ca/graduate/programs/biomedical-engineering](http://ryerson.ca/graduate/programs/biomedical-engineering)

### Biomedical Physics

#### Dr. Carl Kumaradas

*PhD, Medical Biophysics, University of Toronto*

Research areas: medical physics, thermal therapy, nanotechnology, biophotonics, computational modelling

[ckumarad@ryerson.ca](mailto: ckumarad@ryerson.ca)

416-979-5000, ext. 7462

[ryerson.ca/graduate/programs/biomedical-physics](http://ryerson.ca/graduate/programs/biomedical-physics)

### Building Science

#### Dr. Russell Richman

*PhD, Civil Engineering, University of Toronto*

Research areas: developing a climate-specific passive house standard for North America, innovative envelope systems and economic analysis addressing the existing energy inefficient Canadian building stock

[richman@ryerson.ca](mailto: richman@ryerson.ca)

416-979-5000, ext. 6489

[ryerson.ca/graduate/programs/building-science](http://ryerson.ca/graduate/programs/building-science)

### Chemical Engineering

#### Dr. Farhad Ein-Mozaffari (outgoing)

*PhD, Chemical Engineering, University of British Columbia*

Research areas: mixing of fluids with complex rheology, flow visualization, computational fluid mixing, non-Newtonian fluid dynamics, dynamic modelling and identification

[fmozaffa@ryerson.ca](mailto: fmozaffa@ryerson.ca)

416-979-5000, ext. 4251

[ryerson.ca/graduate/programs/chemical-engineering](http://ryerson.ca/graduate/programs/chemical-engineering)

**Child and Youth Care****Dr. Jennifer Martin**

*PhD, Social Work,  
University of Toronto*

Research areas: child abuse and trauma; online sexual abuse and exploitation; cyber counselling/interventions; clinical practice

[jjmartin@ryerson.ca](mailto:jjmartin@ryerson.ca)

416-979-5000, ext. 4826

[ryerson.ca/graduate/programs/child-youth-care](http://ryerson.ca/graduate/programs/child-youth-care)

**Civil Engineering****Dr. Songnian Li**

*PhD, Geodesy and Geomatics Engineering, University of New Brunswick*

Research areas: geographical information sciences with focus on geospatial big data analytics, geo-collaboration, dynamic geospatial web services, spatial decision support, moving object data, urban mobility studies using geosocial media data, and web/real-time applications

[snli@ryerson.ca](mailto:snli@ryerson.ca)

416-979-5000, ext. 6450

[ryerson.ca/graduate/programs/civil-engineering](http://ryerson.ca/graduate/programs/civil-engineering)

**Communication and Culture****Dr. Paul Moore (outgoing)**

*PhD, Sociology, York University*

Research areas: media history, urban studies, mass society and the mass market, newspapers, film exhibition

[psmoore@ryerson.ca](mailto:psmoore@ryerson.ca)

416-979-5000, ext. 2604

[ryerson.ca/graduate/programs/communication-culture](http://ryerson.ca/graduate/programs/communication-culture)

**Computer Networks****Dr. Bobby Ma**

*PhD, Electrical Engineering,  
University of Waterloo*

Research areas: network protocols, software-defined networking

[bma@ryerson.ca](mailto:bma@ryerson.ca)

416-979-5000, ext. 7929

[ryerson.ca/graduate/programs/computer-networks](http://ryerson.ca/graduate/programs/computer-networks)

**Computer Science****Dr. Kosta Derpanis**

*PhD, Computer Science,  
York University*

Research areas: computer vision and machine learning

[kosta@ryerson.ca](mailto:kosta@ryerson.ca)

416-979-5000, ext. 3205

[ryerson.ca/graduate/programs/computer-science](http://ryerson.ca/graduate/programs/computer-science)

**Data Science and Analytics****Dr. Ayse Bener**

*PhD, Information Systems,  
London School of Economics*

Research areas: machine learning, recommender systems and big data applications

[ayse.bener@ryerson.ca](mailto:ayse.bener@ryerson.ca)

416-979-5000, ext. 3155

[ryerson.ca/graduate/programs/data-science-analytics](http://ryerson.ca/graduate/programs/data-science-analytics)

**Digital Media****Dr. Alex Ferworn**

*PhD, Systems Design Engineering, University of Waterloo*

Research areas: computational public safety in relation to Urban Search and Rescue (USAR) and Chemical Biological Radiological Nuclear Explosive (CBRNE) response, disaster management technology, mobile robotic systems, algorithms

[aferworn@scs.ryerson.ca](mailto:aferworn@scs.ryerson.ca)

416-979-5000, ext. 6968

[ryerson.ca/graduate/programs/digital-media](http://ryerson.ca/graduate/programs/digital-media)

**Documentary Media****Katy McCormick**

*MFA, Fine Arts, School of the Art Institute of Chicago*

Research areas: commemorative sites, narratives and social histories of landscapes

[kmccormi@ryerson.ca](mailto:kmccormi@ryerson.ca)

416-979-5000, ext. 7327

[ryerson.ca/graduate/programs/documentary-media](http://ryerson.ca/graduate/programs/documentary-media)

**Early Childhood Studies****Dr. Rachel Berman**

*PhD, Family Studies,  
University of Guelph*

Research areas: methods of inquiry and equity

[rcberman@ryerson.ca](mailto:rcberman@ryerson.ca)

416-979-5000, ext. 7695

[ryerson.ca/graduate/programs/early-childhood-studies](http://ryerson.ca/graduate/programs/early-childhood-studies)

## **Economics**

### **Dr. Halis Yildiz**

*PhD., Economics, Southern Methodist University*

Research areas: international trade, industrial organization, game theory, economic development

hyildiz@ryerson.ca

416-979-5000, ext. 6689

ryerson.ca/graduate/programs/economics-graduate

## **Electrical and Computer Engineering**

### **Dr. Amirnaser Yazdani**

*PhD, Electrical Engineering, University of Toronto*

Research areas: modelling and control of high-power electronic converter systems, application of power electronics in power systems, grid integration of electronically interfaced distributed generation and energy storage systems, microgrids and active distribution systems, and renewable energy systems

yazdani@ryerson.ca

416-979-5000, ext. 6178

ryerson.ca/graduate/programs/electrical-computer-engineering

## **Environmental Applied Science and Management**

### **Dr. Cory Searcy**

*PhD, Mechanical Engineering, University of Alberta*

Research areas: corporate sustainability, corporate social responsibility, environmental management systems, integrated management systems

cory.searcy@ryerson.ca

416-979-5000, ext. 2095

ryerson.ca/graduate/programs/environmental-applied-science-management

## **Fashion**

### **Dr. Alison Matthews David (outgoing)**

*PhD, Art History, Stanford University*

Research areas: the intersections between medical and dress history

amdavid@ryerson.ca

416-979-5000, ext. 4696

ryerson.ca/graduate/programs/fashion

## **Film + Photography Preservation and Collections Management**

### **Marta Braun (outgoing)**

*MA, Media Studies, SUNY, Buffalo*

Research areas: late 19th century motion photography; early cinema, scientific film and photography

mbraun@ryerson.ca

416-979-5000, ext. 6875

ryerson.ca/graduate/programs/film-photography-preservation

## **Immigration and Settlement Studies**

### **Dr. Harald Bauder**

*PhD, Geography, Wilfrid Laurier University*

Research areas: migrant labour; sanctuary cities, immigration policies and discourses; ethnic economies (especially Toronto's Little India); critical border studies; critical geographies; Canada; Germany

hbauder@ryerson.ca

416-979-5000, ext. 7193

ryerson.ca/graduate/programs/immigration-settlement-studies

## **Journalism**

### **Bill Reynolds (outgoing)**

*MA, Philosophy, University of Waterloo*  
Research area: literary journalism

reynolds@ryerson.ca

416-979-5000, ext. 6294

ryerson.ca/graduate/programs/journalism

## **Literatures of Modernity**

### **Dr. Sophie Thomas (outgoing)**

*PhD, English, Oxford University*

Research areas: cross-currents between visual culture and literary texts in the late-18th and early-19th centuries and the impact of new visual media on the literary and historical imagination

sophie.thomas@ryerson.ca

416-979-5000, ext. 2677

ryerson.ca/graduate/programs/literatures-modernity

## **Master of Business Administration and MBA in Management of Technology and Innovation**

### **Dr. Chris MacDonald (interim)**

*PhD, Philosophy, University of British Columbia*

Research areas: business ethics, conflict of interest, corporate social responsibility, professional ethics

chris.macdonald@ryerson.ca

416-979-5000, ext. 6903

ryerson.ca/mba

## Master of Engineering Innovation and Entrepreneurship

**Dr. Yaser Dahman**

*PhD, Chemical Engineering, Western University  
MBA, Ryerson University*

Research areas: biosynthesis and testing of nanomaterials for biotechnology and biomedical applications, bioseparations and primary recovery of high-value biopolymers using nanofibers affinity membranes, design of airlift bioreactors for biosynthesis and bioseparation purposes  
ydahman@ryerson.ca  
416-979-5000, ext. 4080  
ryerson.ca/graduate/programs/engineering-innovation-entrepreneurship

## Master of Science in Management

**Dr. Yuanshun Li**

*PhD, Finance, University of Calgary*

Research areas: real option investment decisions, mergers and acquisitions, structured financial products, pension fund management  
yuli@ryerson.ca  
416-979-5000, ext. 6711  
ryerson.ca/graduate/programs/master-science-management

## Mathematics

**Dr. Silvana Ilie**

*PhD, Applied Mathematics, Western University*

Research areas: computational biology, development and analysis of simulation methods for biochemical systems, numerical methods, analysis and computation  
silvana@ryerson.ca  
416-979-5000, ext. 4870  
ryerson.ca/graduate/programs/mathematics

## Mechanical and Industrial Engineering

**Dr. Ahmad Ghasempoor**

*PhD, Mechanical Engineering, Queen's University*

Research areas: intelligent manufacturing systems, tool-wear monitoring systems, optimization of machining processes  
aghasemp@ryerson.ca  
416-979-5000, ext. 6422  
ryerson.ca/graduate/programs/mechanical-industrial-engineering

## Media Production

**Dr. Laurie Petrou**

*PhD, Communication and Culture, Ryerson University*

Research areas: breaking gender conventions among children  
lpetrou@ryerson.ca  
416-979-5000, ext. 4577  
ryerson.ca/graduate/programs/media-production

## Molecular Science

**Dr. Debora Foster**

*PhD, University of Toronto*

Research areas: host-pathogen interactions with particular emphasis on the molecular basis of pathogenesis and the impact of environmental stress on pathogen virulence; pathogenesis of diarrheagenic *E. coli*  
dfoster@ryerson.ca  
416-979-5000, ext. 6345  
ryerson.ca/graduate/programs/molecular-science

## Nursing

**Dr. Suzanne Fredericks**

*PhD, Nursing, University of Toronto*

Research areas: designing and evaluating interventions to support patients undergoing invasive surgical procedures  
sfrideri@ryerson.ca  
416-979-5000, ext. 7978  
ryerson.ca/graduate/programs/nursing-graduate

## Nutrition Communication

**Dr. Judy Paisley, RD**

*PhD, Community Nutrition, University of Guelph*

Research areas: knowledge translation strategies for nutrition communication  
jpaisley@ryerson.ca  
416-979-5000, ext. 6942  
ryerson.ca/graduate/programs/nutrition-communication

## **Philosophy**

### **Dr. Glenn Parsons**

*PhD, Philosophy,  
University of Alberta*

Research areas: aesthetics,  
metaphysics, epistemology and  
the philosophy of science

g2parson@ryerson.ca

416-979-5000, ext. 4202

ryerson.ca/graduate/programs/  
philosophy

## **Policy Studies**

### **Dr. Tuna Baskoy**

*PhD, Political Science,  
York University*

Research areas: e-government,  
market competition and  
governance in post-Keynesian  
economics, ICTs and policy  
capacity, European integration

tbaskoy@politics.ryerson.ca

416-979-5000, ext. 2702

ryerson.ca/graduate/programs/  
policy-studies

## **Professional Communication**

### **Dr. John Shiga**

*PhD, Communication,  
Carleton University*

Research areas: media  
and environment, science  
communication, environmental  
communication, media history,  
sound studies, music cultures

jshiga@ryerson.ca

416-979-5000, ext. 6385

ryerson.ca/graduate/programs/  
professional-communication

## **Psychology**

### **Dr. Julia Spaniol**

*PhD, Psychology, University of  
North Carolina at Chapel Hill*

Research areas: cognitive  
aging, memory and decision  
making, motivation and reward

jspaniol@psych.ryerson.ca

416-979-5000, ext. 2268

ryerson.ca/graduate/programs/  
psychology

## **Public Policy and Administration**

### **Dr. Duncan MacLellan**

*PhD, Educational*

*Administration,  
University of Toronto*

Research areas: local and  
provincial educational politics  
and policy making, state and  
teacher relations, local and  
urban governance issues

dmaclellan@politics.ryerson.ca

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ryerson.ca/graduate/programs/  
public-policy-administration

## **Social Work**

### **Dr. Jennifer Poole**

*PhD, Public Health,  
University of Toronto*

Research areas: critical  
approaches to well-being;  
Mad Studies; sanism in the  
workplace, professional  
practice and the classroom;  
precarious work and its  
impact on health; qualitative  
research methodologies

jpoole@ryerson.ca

416-979-5000, ext. 6253

ryerson.ca/graduate/programs/  
social-work

## **Spatial Analysis**

### **Dr. Lu Wang**

*PhD, Economic Geography,  
York University*

Research areas: health,  
neighbourhood, immigration  
and aging; transnational health  
care; multicultural retailing;  
access to healthy foods;  
spatial analysis; accessibility  
modelling; statistical  
modelling; immigration  
and settlement

luwang@ryerson.ca

416-979-5000, ext. 2689

ryerson.ca/graduate/programs/  
spatial-analysis

## **Urban Development**

### **Prof. Nina-Marie E. Lister, MCIP, RPP, Hon. ASLA**

*MSc, Planning,  
University of Toronto*

Research areas: landscape  
ecology, ecological design,  
landscape infrastructure,  
planning and design for  
resilience, urban waterfronts,  
parks and natural heritage  
planning, biodiversity  
conservation

nm.lister@ryerson.ca

416-979-5000, ext. 6769

ryerson.ca/graduate/programs/  
urban-development

# Looking ahead

**W**ith graduate education as your passport, the world opens up with infinite possibilities. Regardless of their route, our graduate community members are equipped to navigate an exciting, unknown future with optimism, ambition and the ability to soar even in times of turbulence.

Through our diversity and commitment to academic and professional excellence, Ryerson will continue to prepare graduate students to become the next generation of creative leaders, intellectual explorers and dynamic changemakers in an increasingly connected world.

Every day, I am amazed and inspired by the achievements of our graduate students, faculty and alumni. They are the reason I love my job. Together, they affirm our shared goal of empowering individuals to positively and meaningfully transform themselves, our culture, economy, environment and society – now, and in years yet to come. 🌐







# How will graduate education transform you?



DESIGN: Studio Wyse  
PROFILE PHOTOS: Arthur Mola  
ILLUSTRATIONS: Ben Weeks

Graduate education is a collaborative responsibility between YSGS and the Faculty of Arts, Faculty of Communication & Design, Faculty of Community Services, Faculty of Engineering and Architectural Science, Faculty of Science and Ted Rogers School of Management.

**ryerson.ca/graduate**  
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**Ryerson  
University**

**Graduate  
Studies**