

305 DAYS

2014-15 YEAR IN REVIEW

1 YEAR

365 DAYS OF LEARNING, EXPLORING, CREATING, ENGAGING,
RE-THINKING AND MAKING A DIFFERENCE.

In this report, we look back on some of the milestones that made 2014-15 a memorable one for our students, faculty and staff. And we pause to celebrate the

steps each of us took, every day, to earn our reputation as Canada's most creative, connected and entrepreneurial university for graduate education.

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Yeates School of Graduate Studies



Message from the dean

In 2014, Ryerson University launched its new Academic Plan – a document that outlines the university's vision and commitments over the next five years.

Our Time to Lead positions graduate education as integral to the university's ability to transform itself into a comprehensive, world-class institution.

The Yeates School of Graduate Studies built on the strong foundation of the Academic Plan with a series of broad consultations – an inclusive process designed to develop a strategic plan that would reinforce the Academic Plan and pave the way for its implementation within our stakeholder communities.

As we worked our way through several iterations of the plan, it became clear to me that we needed to advance and distinguish our unique program offerings given the

shifting landscape of graduate education at Ryerson and beyond. Whereas in our early years, our efforts were focused on building programs and growing enrolment, we now find ourselves focused on improving program quality and excellence, and indeed, on adding several new programs to our roster. And we do this at an exciting and challenging time – a time when more than ever, we are engaged in intense competition for top students.

In order to attract the very best, we have to be the very best. And to be the very best, we need to up our game. For me, this means remembering our roots while at the same time leveraging what we do best. Ryerson has a well-earned reputation for graduating students who are creative leaders, intellectual explorers, and social and cultural change-makers, innovators and entrepreneurs. As a university community, we are connected to our communities in a way that gives us

a unique opportunity to give back and make a difference.

365 Days showcases some of the many ways in which our students, faculty and staff are doing that on a daily basis – questioning the status quo, disrupting the narrative and making change happen. I'm proud to be surrounded by so many exceptional leaders. They have embraced what it means to be part of a culture of inquiry and transformation. And by their example, I believe that Ryerson is well on its way towards achieving the vision set out in *Our Time to Lead*.

Jennifer Mactavish

Dean,

Yeates School of Graduate Studies

Graduate studies at a glance

NUMBER OF PROGRAMS

35

MASTER'S

13

PHD

APPLICATIONS TO SPACES

6:1

NEW INITIATIVES

Professional Master's Diplomas

- ♦ Aerospace Design Management (launched fall 2014)
- ♦ Dietetics; Energy and Innovation; Enterprise Information Security, Privacy and Data Protection (launching fall 2015)

UPCOMING PROGRAMS*

Master's

- ♦ Child and Youth Care
- ♦ Data Science And Analytics

PhD

- ♦ Mathematical Modelling and Methods

* pending approval

2014 FACULTY

856

VANIER SCHOLARS

8

FEDERAL AND PROVINCIAL SCHOLARSHIP SUPPORT

\$5,000,000

FEDERAL AND PROVINCIAL
SCHOLARSHIPS

285

STUDENTS

2,393

DOMESTIC

254

INTERNATIONAL

CREATIVE

WE BRING FRESH IDEAS AND PERSPECTIVES TO PROBLEM SOLVING, CRITICAL THINKING AND ARTISTIC EXPRESSION.

Interdisciplinary programs address today's most complex issues

When it comes to solving seemingly intractable social, cultural, economic and environmental problems, an interdisciplinary approach is often the preferred approach.

In addition to existing interdisciplinary programs such as Communication and Culture, Environmental Applied Science and Management, Immigration and Settlement Studies and Digital Media, a new Data Science and Analytics master's program will be launched in 2016.

DATA SCIENCE AND ANALYTICS

The **Data Science and Analytics** master's program will be offered jointly by the Faculty of Engineering and Architectural Science, Faculty of Science, Ted Rogers School of Management, Faculty of Arts and Faculty of Communication & Design. The program is designed for students interested in learning how to navigate the complexities of today's world by leveraging big data. Through its interdisciplinary approach, students will gain a deep understanding of technological and applied knowledge in data science and analytics.

COMMUNICATION AND CULTURE

A joint program of Ryerson and York University, degrees in **Communication and Culture** are offered at the master's and PhD levels, for students with backgrounds in communications, social sciences, humanities, media practice and fine arts. Truly interdisciplinary in addressing social issues of contemporary, media-immersed cultures, the program combines experiential practice with a breadth of theoretical perspectives provided across both campuses.

IMMIGRATION AND SETTLEMENT STUDIES

Having recently celebrated its 10th anniversary, the **Immigration and Settlement Studies** master's program explores immigration trends, policies and programs in Canada from multi-disciplinary perspectives. Available in both full-time and part-time study options, this is the only graduate program in the country to focus solely on the consequences



and opportunities arising from transnational human mobility as it relates to Canada. Catering to the needs of both research- and professionally-oriented students, it prepares graduates for careers in community, government and private industry, as well as academia. Students have an opportunity for placements/practicums in government and community agencies, and benefit from research networks with the Ryerson Centre for Immigration and Settlement (RCIS) and the national Metropolis Project.

ENVIRONMENTAL APPLIED SCIENCE AND MANAGEMENT

The **Environmental Applied Science and Management** master's and PhD programs reflect the view that professional success in the field of environmental science and

management requires individuals to build on their existing skills and knowledge to develop a broad-based interdisciplinary perspective. More than 100 faculty members and external associates from the full range of environmental disciplines are involved with the program and its students' research.

DIGITAL MEDIA

Ryerson's **Master of Digital Media** (MDM) is an intensive 12-month professional program designed to equip graduates with the knowledge needed to launch themselves into the digital media world. The program covers three key areas: art and design, technology, and business and entrepreneurship. The MDM program is fully integrated into the DMZ, one of Canada's largest startup incubators.

Investing in student success

At Ryerson, graduate education is not just a learning experience. It's a transformative experience, for students, faculty, staff and the broader community.

As our students work through their selected programs of study, we go to great lengths to see that they have the knowledge and tools to be fully engaged in university life. Our student engagement programs are designed to build community, foster a sense of identity and provide value-added essential skills that complement academic development. The dedicated study space on the seventh floor of the new Student Learning Centre is a case in point. Other examples include:

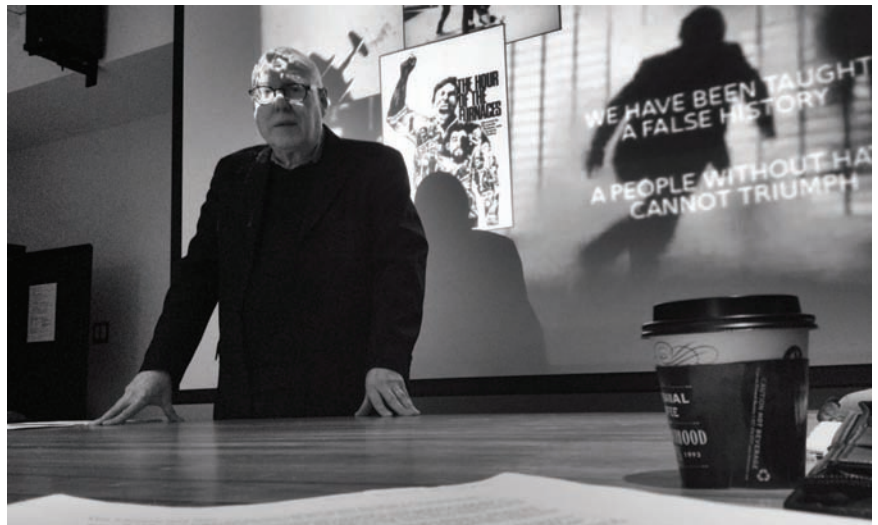
3-MINUTE THESIS (3MT®) COMPETITION

Psychology master's student **Jaclyn Ludmer** won the 2015 Ryerson 3-Minute Thesis competition for her presentation, "Understanding Infants' Genetic and Environmental Risk for Depression." Ludmer went on to represent Ryerson at the Ontario 3MT® competition at Western University in April.

3MT® is a graduate student competition in which participants present their research and its wider impact in three minutes or less to a panel of non-specialist judges. The challenge is to present complex research in an accessible and compelling way, using only one slide. The competition provides graduate students with an opportunity to refine their communication and knowledge transfer skills – skills that can be applied in their careers after graduation.

GRAD SNAPSHOT AND VIDEO BLOGGER CONTESTS

In January, YSGS announced the winners of the GRAD Snapshot and Video Blogger contests, celebrating students' creative talents and providing them an opportunity to illustrate their student life experiences. Congratulations to **Lynne Fox** (Documentary Media) who took first place for her photo



of Documentary History Professor Marc Glassman. Second place went to **Philip Skoczkowski** (Documentary Media) for his photo featuring images from his upcoming book on Cambodia's land disputes and social movements. **Anthony Sotomayor** (Urban Development) won third place for his photo of the Allen Lambert Galleria. Honourable mentions went to: **Alyssa Bistonath** (Documentary Media), **Tim Carroll** (Aerospace Engineering) and **Heather Carson** (Nutrition Communication).

First-place winner, 2014-15 GRAD Snapshot contest: Lynne Fox, Documentary Media

Anna MacLean (Documentary Media) won the GRAD Video Blogger contest and produced several engaging videos on the Ryerson graduate experience. Honourable mentions went to **Tamar Mankassarian** (Documentary Media) and **Yasmine Mathurin** (Journalism).



Second-place winner, 2014-15 GRAD Snapshot contest: Philip Skoczkowski, Documentary Media

IMAGINING CANADA'S FUTURE

In a similar way, students were also invited to participate in the "Imagining Canada's Future" initiative, in partnership with graduate students and colleagues from York University. Jointly sponsored by the Social Sciences and Humanities Research Council (SSHRC) and the Canadian Association for Graduate Studies (CAGS), the project calls on graduate students across the country to discuss six interconnected questions, our focus being "What knowledge will Canada need to thrive in an interconnected, evolving global landscape?"

GRADTalks

Launched last fall, the GRADTalks lecture series provides opportunities for graduate students to interact with a wide range of prominent experts, and through this exchange, to inspire and challenge students to think about their careers after graduation.

Nadir Mohamed, former CEO and president of Rogers Communications and Distinguished CEO-in-Residence at Ryerson, emphasized the need to foster innovation and entrepreneurship in Canada at the inaugural GRADTalks lecture, while **Ann Cavoukian**, executive director of Ryerson's Privacy and Big Data Institute, explained the principles of Privacy by Design at her spring GRADTalks lecture, entitled "Imagine a Connected World with Privacy Built-in."

FUTURE SMART

Ted Rogers School of Management Dean **Steven Murphy** delivered the keynote address at the re-launch of the Future Smart program in November. In his presentation, "The Hard Truth about Soft Skills," Murphy conveyed the notion that "soft" skills, such as communication and leadership, are as essential to student success as "hard" technical skills. The Future Smart program is designed to equip graduate students with both types of skills in order to effectively transition into their careers.

GRADCafé

Students attending GRADCafé last winter were given a unique challenge: craft a purpose statement for the graduate



community at Ryerson. With help from facilitator **Miriam Comerford**, director, organizational and employee effectiveness, students brainstormed two six-word memoirs: "Together, let's collaboratively innovate big ideas" and "Dynamic vision unifying minds in action."

GRADCafé is a unique visioning and networking event for graduate students at Ryerson University. Hosted by the dean and associate dean in the fall and winter terms, this informal social event engages a select group of new and returning graduate students in an ongoing conversation about how to make their experience relevant, enlisting their help in finding solutions to issues.

Third-place winner, 2014-15 GRAD Snapshot contest: Anthony Sotomayor, Urban Development

GRAD COUNSELLING INTERN

Miriam Reese was the first counselling intern for graduate students based in the Yeates School of Graduate Studies office. Reese's role was to aid graduate students struggling with mental health issues. She ran support groups, helped students develop skills that would lead to greater work-life balance and worked to dispel some of the stigma around mental health on campus. Plans are underway to continue to offer counselling services for graduate students in the future.

CONNECTED



WE ARE UNITED BY A SPIRIT OF COLLABORATION – ACROSS
THE UNIVERSITY, WITHIN OUR COMMUNITY AND WITH OUR
VARIOUS PARTNERS.



RÉAL CARRIÈRE

Student
PhD, Policy Studies
Faculty of Arts

RÉAL CARRIÈRE UNCOVERS NEW POLITICAL TRUTHS THROUGH STORYTELLING

In a world where many young people have lost touch with the tradition of listening to the stories told by their elders as a way of learning to navigate life's path, Réal Carrière is an old soul.

He is within a few months of defending his doctoral thesis in Policy Studies – a journey that saw him successfully bridge the gap between generations. Now he is mapping out a plan that will see him passing the baton to the younger members of indigenous communities across the country.

Much like Carrière himself, his thesis topic is groundbreaking. "I chose a subject and approach that few had used in academia. I interviewed my Cree elders, asking them to tell me about the Cree theory and practice of governance. I want to pass this knowledge to the next generation."

Carrière traces his interest in storytelling back to his upbringing in the rich oral history and traditions of the Cree people. After completing a master's in public administration, and a short stint in government, he decided to pursue his doctorate and found the mentors he was looking for in Pamela Palmater, politics and public administration professor and chair in indigenous governance, and Lynn Lavallée, social work professor.

"Through the process of my dissertation, I've become more connected to Cree heritage and I feel confident that I can keep our knowledge alive. I've also discovered a way to help the youth in my community to become more connected and gain pride in who they are."

Two years ago, Carrière established Indigenous Inspirational Initiatives, a non-profit organization that organizes wilderness camps for indigenous youth living in Saskatchewan and Manitoba. It is an initiative he hopes to expand to other indigenous communities across Canada. Canoeing is a passion that Carrière shares with his father, and through sport, and canoeing in particular, he sees a way to bridge past and present, while also helping young people find their way.

"I know that with every canoe stroke I take, I feel more connected to my community and to who I am. I'm hoping that when I take them out, I can tell young people my story, and they will feel the same sense of connectedness."



MONICA BATAC

Student
Master's, Professional Communication
Faculty of Communication & Design

MONICA BATAC BLAZES A TRAIL IN THE WORLD OF KNOWLEDGE MOBILIZATION

In the world of academic research, two things count. The first is the ability to come up with a new idea. The second is making that idea count by ensuring it reaches the right audience.

Monica Batac knows how to do both. As a former middle school teacher with a master's in teaching, she is nearing completion of a second postgraduate degree, this one a master's in professional communication. Her current area of focus is the emerging field of knowledge mobilization, and it's something she hopes more academic researchers will want to hear about.

"For the past several months, I've been interviewing academic researchers and knowledge brokers here and abroad to find out what skills they think would help an individual to mobilize research more

effectively and bring it to the attention of a targeted audience," said Batac.

The core premise of knowledge mobilization is to move knowledge to and from researchers and society, promoting conversations and collaboration in the process. Based on her own experience as an educator and professional communicator, Batac believes the ideal skill set for knowledge mobilization in an academic setting is similar to those used outside of the academy, specifically stakeholder engagement, facilitation, strategic marketing and professional writing skills. There is also a role for strategic communications planning and audience segmentation, as well as tactical considerations such as what is the appropriate use of social media in spreading the word of one's research findings.

"I'm a natural communicator. As a graduate student, I really enjoyed applying my skills to help promote my degree program to new students, and I've also been very active when it comes to telling other people about the Yeates School of Graduate Studies. With some encouragement from the dean, I'm now looking into ways to help academic researchers widen their sphere of influence," said Batac.

With an internship at the Centre for Communicating Knowledge under her belt, and a strong theoretical and practical foundation, Batac is well-equipped to help academic researchers ensure every presentation, every publication and every idea is successfully delivered to the people who matter most.



SILVANA ILIE

Faculty member
Mathematics
Faculty of Science

SILVANA ILIE CONNECTS APPLIED MATHEMATICS TO THE WORLD OF PERSONALIZED MEDICINE

For Silvana Ilie, developing mathematical algorithms that can help unlock the mysteries of disease is about as practical it gets in the world of applied mathematics.

While technically what she does is called computational biology, in lay terms what it means is that Prof. Ilie designs mathematical software to help scientists understand cellular behaviour in disease or infection. Her computational models provide a way for scientists to better understand, and cure, diseases with a genetic component, paving the way one day for more personalized medical treatment.

"It sounds esoteric, but it's actually an emerging area of research that has quite significant applications in agriculture, biotechnology, life sciences and human health," said Prof. Ilie. "Applied mathematics provides techniques for answering key biological problems with revolutionary speed. For scientists working in the area of DNA sequencing, for example, speed is very important."

Since joining the Faculty of Science in 2008, Prof. Ilie has worked to spread the word about the strong career prospects for graduates in computational biology to students as well as the university's governing body. "I think it's really important for Ryerson to have a PhD program in applied mathematics, and my understanding is we're

close. Based on my students' experience, it's clear there is a need in industry for graduates with these skills, particularly at biotech and software companies."

In the meantime, Prof. Ilie points to Ryerson's close proximity to some of Canada's leading biotech companies and hospitals as being an ongoing wellspring of opportunity for her own research. "As a child, I was always interested in mathematics, but it wasn't until I began my graduate work that I truly started to appreciate the benefits of interdisciplinary research. Since Ryerson strongly encourages multi-disciplinary research, I have been able to establish diverse connections, with other universities in Canada and Europe, and to industry."



ASHER ALKOBY

Faculty member
Associate Dean,
Student Affairs and Administration
Ted Rogers School of Management

ASHER ALKOBY RE-DEFINES EXPERIENTIAL LEARNING

Asher Alkoby is putting a whole new spin on the definition of experiential learning with the introduction of the Ralph Lean Lecture Series at the Ted Rogers School of Management, which he developed in collaboration with renowned business lawyer Ralph Lean for students in the Master of Business Administration program.

Where typically Prof. Alkoby's role is to facilitate a change in world view on the part of his students, the lecture series also provides a unique opportunity to challenge some long-held assumptions of those invited as guest speakers.

"In class, I teach students about government, regulation and socially responsible management practices," said Prof. Alkoby. "In the lecture series, they listen to what top business executives say about having a social licence

to operate, and quite often, they see there's a rift between the theory and the practice of corporate social responsibility. The same goes for the executives. Some of them start to see that corporate social responsibility is more than simply charitable giving and should be part of the core business strategy. With this series, everyone is learning. The format is quite unique. Guests do not deliver a lecture but engage in conversation with the students."

Social transformation is what piqued Prof. Alkoby's interest in corporate social responsibility in the first place. After practising law in Israel, he had every intention of pursuing a master's in international environmental law, focusing on the Kyoto Protocol, and then to become a consultant. But after studying the ways in which non-governmental organizations work to

effect change, he decided that a university was the best place for him to realize his own brand of change.

"The whole concept of social consciousness is at the core of Ryerson's Academic Plan," said Prof. Alkoby. "The notion that we as instructors have a responsibility, and are empowered to help make change happen really resonates with me."

Through their exchanges with business executives and students from other faculties, Prof. Alkoby wants his students to gain not only a more critical perspective on the issue of corporate social responsibility, but also more broadly, to cast a more discerning eye on the world around them, which he says, is the ultimate role of graduate education.



ARIANA CANCELLI

Alumna
Master's, Urban Development
Faculty of Community Services

**ARIANA CANCELLI IS
BREATHING NEW LIFE INTO
OUR LANEWAYS**

There are roughly 24,000 laneways in Toronto, and if Ariana Cancelli had her way, every one of them would be a gathering place where children could safely play and neighbours could easily socialize.

As a graduate of the Faculty of Community Services (FCS), with a master's in urban development, Cancelli takes FCS's mission to heart. Since graduating in 2010, she not only works full-time as a planner for the Canadian Urban Institute but also recently embarked on an innovative new venture called The Laneway Project.

"I've always had a real passion for parks and public spaces," said Cancelli. "Laneways represent a significant opportunity to use

public space in a more creative way. Rather than simply providing passage from one destination to another, they can add public space close to people's homes."

Through the project, Cancelli is not only working to push the boundaries on how public laneways are perceived by local residents, she is also making full use of her considerable communications and community engagement skills to advocate for more strategic use of laneways with local politicians and community planners. She attributes the organization's ability to breathe new life into laneways partly to her ability to positively influence decision-makers at city hall and partly to being in the right place at the right time.

"One thing I learned through my studies at FCS was to be a problem-solver and to get things done when it comes to social issues," said Cancelli. "Think of what it would mean for our city if our laneways were destinations, gathering places and green spaces rather than simply forgotten places where we store our garbage or park our cars."

Cancelli concedes that for her, laneways represent a certain nostalgia for a slower time. But from a practical point of view, they're also an ideal way to provide respite from the world around, safe passage from one street to the next and more time spent building community.



MEHRNAZ SHOKROLLAHI

*Alumna
Master's and PhD, Electrical
and Computer Engineering
Faculty of Engineering
and Architectural Science*

MEHRNAZ SHOKROLLAHI DEVELOPS INNOVATIVE DEVICE TO REDUCE HEART ATTACK FATALITIES IN DRIVERS

Every seven seconds, someone in North America dies of a heart attack. Now imagine if even one of those people is driving a car when that happens.

It's precisely this type of accident that Mehrnaz Shokrollahi is trying to help avoid. As one of five designers on the team, Shokrollahi has developed an award-winning device able to detect heart attacks in drivers. With roughly 90 per cent of the Canadian population exhibiting at least one of three risk factors for heart attack, her groundbreaking work comes not a moment too soon.

Shokrollahi completed her master's and PhD in Electrical and Computer Engineering, focusing her biomedical research on sleep patterns. "I focused on sleep movement

disorders by analyzing the muscle movements to detect Parkinson's disease and stroke. After completing my degree, I took what I learned and now I'm applying my knowledge of advanced signal processing and machine learning algorithms to heart attacks. Think of this device as a kind of early warning system."

At the time of printing, her team's market research is complete and the prototype design is ready for testing. The prototype consists of a series of sensors, one attached to the car steering wheel, another to a camera on the inside mirror, and a third to the driver's seatbelt. Any change in the driver's breathing patterns would be transferred to the 911 emergency operator and, using GPS technology, an ambulance would be dispatched to the driver's location to provide assistance.

The team's primary target market right now is the taxi industry and also the long-haul trucking industry. Ultimately, their goal is to sell the device to the auto industry. While they work to fine-tune their commercialization strategy, they are also hammering out the details around installation and co-ordination with the 911 emergency response system.

"I'm an engineer by training, but I'm also an entrepreneur by nature. That's what is so great about Ryerson. I took all my degrees here, and throughout, I was encouraged to be innovative. Now I'm an entrepreneur. I'm excited to be using my skills to make such an important difference in the lives of real people."

ENTREPRENEURIAL



WE POSSESS THE VISION AND DRIVE TO SHOCK THE STATUS
QUO, LAUNCH BOLD VENTURES AND MAKE REAL CHANGE.

Celebrating student success

Ryerson's new Academic Plan references the university's mission to be a hub for purposeful thinkers and creators who are engaged in their communities and committed to making a meaningful difference in the world around them. Talented students, such as those highlighted here, demonstrate the university's ability to fulfill its mission and make a positive contribution.

OUR CONGRATULATIONS GO TO:

Eric Strohm (PhD, Biomedical Physics, Faculty of Science) received the Governor General's Academic Gold Medal, the C. Ravi Ravindran Outstanding Doctoral Thesis Award and a Ryerson Gold Medal for his outstanding involvement within the university and his profession. Strohm is the first PhD graduate from the newly created Faculty of Science. He served on the Research and Graduate Affairs Committee when it was undertaking the program's launch, and has also been a reviewer for numerous scientific journals. His thesis research produced five first-authored papers in prestigious journals, one book chapter and a provisional U.S. patent application.



Eric Strohm



David Collins (MA, Philosophy, Faculty of Arts) was recognized with a Ryerson Gold Medal for his contributions to the Ryerson Philosophy Graduate Conference, Philosophy Student Colloquium, Philosophy and Film Series, and Philosophy Café series. Collins' referees cited his energy, enthusiasm and dedication to making philosophy public as unmatched among students and acknowledged his scholarly work, which has been accepted at peer-reviewed conferences around the world.

For her exemplary work as a graduate student leader, artist and life educator, **Sarah Foy** (MA, Documentary Media,

President Sheldon Levy congratulates Sarah Foy at Convocation.

Faculty of Communication & Design) received a Ryerson Gold Medal and a Board of Governors Leadership Award and Medal. Academically successful with a 4.04 GPA, Foy's work showcases the lived realities of underrepresented Canadian immigrants who are also sexual minorities, and shines a light upon Ryerson University, the Greater Toronto Area and World Pride Toronto. Through *Landed: Together in Canada*, she helped raise awareness on behalf of all who are exiled, in particular LGBTQI people, due to human rights violations.

In recognition of significant volunteer contributions to help animate the campus master plan and deepen community engagement in Regent Park's Daniels Spectrum Learning Centre, **Lisa Ward Mather** (MPI, Urban Development, Faculty of Community Services) was awarded the Ryerson Gold Medal. As a graduate student, she achieved an outstanding 4.12 cumulative grade point average, demonstrated a passion for her profession and exemplary professional ethic and collaborated in meaningful ways with community partners.



Lisa Ward Mather



Dineshkumar Patel

Dineshkumar Patel (PhD, Chemical Engineering, Faculty of Engineering and Architectural Science) received a Ryerson Gold Medal for his outstanding achievement in academic and on-campus conference and professional activities. In particular, Patel is recognized for having achieved a 4.08 cumulative grade point average, and also for producing one of the three best research papers in the North America Mixing Forum. In addition, he is honoured for his

contributions as vice-president of the Chemical Engineering Graduate Student Association, member of the Chemical Engineering Departmental Council, session moderator for the Ryerson Faculty Conference in 2013 and 2014, and as executive committee member of the Chemical Institute of Canada Toronto section.

For his fierce team spirit, contributions to student life and achievements as an accomplished researcher, **Peter James Myers** (MBA, Ted Rogers School of Management) received a Ryerson Gold Medal. Myers was the director of finance on the MBA Student Association. He also competed on the winning sustainability case team in the MBA Games and on Ryerson's Hult Healthcare Challenge team. He organized a team of graduate students from three faculties and competed in the G20 Global Business Challenge for Brisbane, and also competed in the Rotman Net Impact case competition and the Schulich International Mining Social Responsibility case competition.



Peter James Myers

Doing what matters

World-class graduate experiences don't happen by accident. They happen because people decide that helping students succeed matters. Being a mentor matters. Providing information at just the right time matters. Offering a kind word or a show of support when it is needed most matters.

Doing what matters is about going above and beyond what is required. It's about tapping into a need and being willing to make a difference.

The following faculty and staff are deserving of our praise because of their willingness to do what matters. We thank them, as we celebrate their contributions.

FACULTY

The YSGS Outstanding Contribution to Graduate Education Award is a tribute to the ability of our faculty members to truly act in the best interests of their students.



Costin Antonescu, Molecular Science, shaped the research environment in his department through the organization of its symposium Science at the Interface, which showcases the work of graduate students, and co-ordination of collaborative meetings with like-minded researchers in four Ryerson laboratories and six research groups at St. Michael's Hospital, which helps to broaden exposure and opportunities for students. Antonescu is a faculty member whose full investment in graduate education at Ryerson bridges a wide diversity of activities, elevates the graduate program and has made a fundamental impact on the lives of many Ryerson graduates.

Martin Antony, Psychology, was instrumental in the development and launch of the MA/PhD program in Psychology at Ryerson and was its first graduate program director. He is a generous, sought-after mentor who provides trainees with ample opportunity to conduct and disseminate high-quality research. He models professionalism and respect in his interactions with students, faculty and staff. Antony is

also a highly effective instructor whose teaching methods bridge classroom learning with real-world application. He advocates for the training needs of graduate students and is invested in their professional success. Antony also played a major role in the development of Psychology's training clinic and has delivered numerous workshops and talks to prepare graduate students at Ryerson for careers in psychology.



YSGS Dean Jennifer Mactavish lauds Psychology Chair Martin Antony during Ryerson Awards Night.



Habiba Bougherara, Mechanical and Industrial Engineering, is developing a new family of bone-mimicking implants that are closer to real bone than current metal implants. Her team is among the first in Canada to explore the use of green material for biomedical implants. She is the recipient of the prestigious Early Researcher Award from the Ontario Ministry of Research and Innovation. She is a two-time recipient of the Dean's Scholarly, Research and Creative Activity Award and also winner of the Collaborative Research Award. Bougherara has published more than 60 journal papers in distinguished peer-reviewed journals, 45 conference proceedings, six book chapters, and issued two patents and trained more than 50 highly qualified people.



Ken Grant, MBA, has been teaching in the MBA program and actively assisting students with their research since the program launched in 2006. Students praise Grant's classes for their relevance and currency and appreciate his passion for business technology, consulting and entrepreneurship. Grant has provided stimulating mentorship for many students whom he has supervised for their capstone MBA project. Grant also played a major role in case competitions, which are the hallmark of the MBA program.

Jaigris Hodson, MDM, has been instrumental in the development of course content, teaching, research and entrepreneurial mentorship to graduate students in the Master of Digital Media (MDM) program, the Advanced Digital and Professional Training – Information Communications Technology (ADaPT-ICTs) program and the Master of Professional Communication (MPC) program. Hodson's knowledge of digital culture and behavioural



Jaigris Hodson

analytics using digital media-based tools are highly regarded by her students, academic researchers and industry professionals.

We also acknowledge and celebrate:

Dale Carl and **Kim Bates** provided ongoing mentorship and unwavering support for MBA students involved in several successful case competitions as director of graduate students, and program director, respectively. Outstanding performances included a top-three sweep of the Rotman Corporate Social Responsibility Case Competition, first place in the HEC Montreal Sustainability Challenge and second-place finishes at the MBA Games, Haskayne 24 Hour Case Competition and Society for American Baseball Research's Diamond Dollars Case Competition.

STAFF

Nearly three years in the making, the entire graduate admissions process is now paperless. Led by **Lillian Zereneh**, the Admissions unit implemented the first online offers of admission this cycle, to great success. Team members include **Lavern Glenn**, **Salwa Saeed**, **Beth O'Reilly**, **Roel Reyes**, **Jenny Shyu**, **Zareen Bukhari** and **Shayna Slonim**. A special thank you to **Peter Haywood**,

Clockwise from top-left: Admissions team members Lavern Glenn, Jenny Shyu, Salwa Saeed, Beth O'Reilly, Roel Reyes, Lillian Zereneh, Zareen Bukhari and Shayna Slonim

business analyst in the Registrar's Office, for his dedication to the success of this implementation. The team also hosted YSGS's first open houses in the fall, welcoming over 50 people at two events.

The Master of Digital Media (MDM) program received the President's Blue & Gold Award for Excellence, one of the university's highest honours. The MDM team, which is currently shepherding more than 40 talented graduate students through the program, consists of **Michael Carter**, director of industry; **Matthew Kyan**, graduate program director; and **Sonya Taccone**, graduate program administrator. Their shared vision, dedication and energy have contributed to a unique, interdisciplinary program that exemplifies Ryerson's focus on experiential education and innovation, according to Mary Neelands, manager of academic program administration, Yeates School of Graduate Studies.



From left: Matthew Kyan, Sonya Taccone and Michael Carter of the Master of Digital Media program, the recipient of a President's Blue & Gold Award for Excellence

Who we are, what we do, where to find us

AEROSPACE ENGINEERING

Dr. Jeffrey Yokota

*PhD, Mechanical and
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Research areas: aerodynamics, propulsion
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APPLIED MATHEMATICS

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ARCHITECTURE

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BIOMEDICAL PHYSICS

Dr. Carl Kumaradas

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BUILDING SCIENCE

Dr. Miljana Horvat

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Research areas: solar energy and
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CHEMICAL ENGINEERING

Dr. Farhad Ein-Mozaffari

*PhD, Chemical Engineering,
University of British Columbia*

Research areas: mixing of fluids with
complex rheology, flow visualization
(tomography and ultrasonic velocimetry),
multiphase-flow operations, computational
fluid dynamics (CFD), non-Newtonian
fluid flow, dynamic modelling and
identification, powder blending, discrete
element method (DEM), CFD-DEM coupling

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CIVIL ENGINEERING

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Research areas: multispectral LiDAR data
processing, satellite sensor modelling,
image analysis and data fusion, image
classification and segmentation, radiometric
correction of LiDAR intensity data, airborne
LiDAR applications, remote sensing/GIS
integration, applications of remote sensing
in civil engineering

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[ryerson.ca/graduate/programs/civil_](http://ryerson.ca/graduate/programs/civil_engineering)
[engineering](http://ryerson.ca/graduate/programs/civil_engineering)

COMMUNICATION AND CULTURE

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Research areas: media history,
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COMPUTER NETWORKS

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COMPUTER SCIENCE

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Research areas: computational public
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(CBRNe) response, disaster management
technology, mobile robotic systems,
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DIGITAL MEDIA

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DOCUMENTARY MEDIA

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ECONOMICS (PhD)

Dr. Richard Chisik

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EARLY CHILDHOOD STUDIES

Dr. Mehrunnisa Ali

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Research areas: newcomer children, youth and families, parent-teacher relations, preparation of teachers to work with diverse populations
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ELECTRICAL AND COMPUTER ENGINEERING

Dr. Lian Zhao

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ENVIRONMENTAL APPLIED SCIENCE AND MANAGEMENT

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Research areas: corporate sustainability indicators, sustainability reporting, sustainable supply chain management
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FASHION

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Research areas: material culture, class and gender in the long 19th century, clothing and health, clothing and criminality, war, uniforms and fashion, fashion curation
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FILM + PHOTOGRAPHY PRESERVATION AND COLLECTIONS MANAGEMENT

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IMMIGRATION AND SETTLEMENT STUDIES

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INTERNATIONAL ECONOMICS AND FINANCE

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JOURNALISM

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LITERATURES OF MODERNITY

Dr. Dennis Denisoff

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MASTER OF BUSINESS ADMINISTRATION AND MBA IN MANAGEMENT OF TECHNOLOGY AND INNOVATION

Dr. Kimberly Bates

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Research areas: manufacturing innovation, governance, institutional theory, resource theory
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MASTER OF SCIENCE IN MANAGEMENT

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MECHANICAL AND INDUSTRIAL ENGINEERING

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MEDIA PRODUCTION

James Nadler
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Research areas: how creative and business decisions are made for expensive, collaborative media like television
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MOLECULAR SCIENCE

Dr. Michael Arts
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Research areas: roles of essential fatty acids in maintaining the health/vitality of aquatic organisms, use of lipids and other biochemical tracers to explain how food webs function under different levels of natural and anthropogenic stress
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NURSING

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Research areas: role of government in health care, consequences of health system changes, delivery and organization of pediatric home care
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NUTRITION COMMUNICATION

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PHILOSOPHY

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POLICY STUDIES

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PROFESSIONAL COMMUNICATION

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PSYCHOLOGY

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PUBLIC POLICY AND ADMINISTRATION

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SOCIAL WORK

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SPATIAL ANALYSIS

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URBAN DEVELOPMENT

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

Graduate education at Ryerson is continuing its unfolding journey. And all of us are travellers.

Every day we take a step towards the shared vision articulated in *Our Time to Lead*. Every day we move one step closer to creating a culture of inquiry that emboldens us to ask critical questions and challenges us to pursue answers that will shape not just our future academic offerings but ultimately the issues that are central to national and global prosperity.

What excites me about Ryerson is the willingness to engage in these important discussions. I'm delighted that graduate

education is valued and embraced as a shared responsibility. Together, we will realize our future as a transformative and truly great university.

I'm also inspired by the many amazing people who see, as do I, that graduate education has the power to make the world a better place. Our students, faculty and staff all understand that the ability to translate knowledge into action – and truly make a difference – is critical.

As I look to the future, our commitment to pushing the boundaries and our willingness to

look beyond the obvious will continue to be the hallmarks of graduate education at Ryerson. As we journey forward, we will continue to seize the opportunities our diversity presents and showcase both our talents and collective civic-mindedness. We will continue to dare, to dream, to explore and to create. And above all, we will continue to celebrate the victories big and small – inside and outside the academy – that combine to bring about incremental and groundbreaking change.

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CANADA'S MOST CREATIVE, CONNECTED AND
ENTREPRENEURIAL UNIVERSITY FOR GRADUATE EDUCATION.



Honourable mention, 2014-15 GRAD Snapshot contest: Alton Yeung / Tim Carroll, Aerospace Engineering

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