



Northern GLOBAL
Roots. REACH.

Research Week • March 18 to 22, 2019



Laurentian University
Université **Laurentienne**

#LULRW2019 #LULResearch

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our Research Week sponsors.*



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MONDAY, MARCH 18

9:30 – 10:30 am ■ *Le système scolaire franco-ontarien – causerie* (Governors' Lounge, 11th floor, R.D. Parker Building)

Organized by the Franco-Ontarian Institute, this talk will feature University of Ottawa researchers, Claire Isabelle and André Samson, who will discuss their new book, *Le système scolaire franco-ontarien*.

10:30 – 11:30 am ■ Opening Ceremony (Atrium, R.D. Parker Building)

The official launch of Research Week 2019 – Northern Roots. Global Reach.

Announcements:

- Proclamation from the City of Greater Sudbury
- Release of the 2019 edition of "The Key"
- Research Week scarf reveal
- Release of the Research Week 2019 video
- Updates on Outcomes 16-20 of the Laurentian University Strategic Plan

12:00 – 1:30 pm ■ Lunch and Keynote Address (W-132, West Residence)

The keynote address will be given by Mr. Alfred Leblanc, Vice-President, Communications, Corporate and International Affairs Directorate at the Natural Sciences and Engineering Research Council. Mr. Leblanc will speak about new initiatives by the federal granting agencies to foster equity, diversity, and inclusion in the research enterprise. He will invite feedback from Laurentian faculty, administrators, and students on the particular issues they see as important in the context of a smaller university serving a regional population with strong Francophone and Indigenous communities.

1:00 – 3:30 pm ■ Launch of Sudbury's Global Lessons Video Course (CF-203, Cliff Fielding Research, Innovation and Engineering Building)

Dr. Nadia Mykytczuk (School of the Environment) and Michelle Reid (Masters Program in Science Communication) will present a selection of video vignettes from the spectacular new on-line signature course called Environmental Remediation: Global Lessons from the Sudbury Story.

1:00 – 2:35 pm ■ Income Inequality and Crime Rates in Canada (Governors' Lounge, 11th floor, R.D. Parker Building)

The Department of Economics will present a talk by Dr. Livio Di Matteo (professor of Economics at Lakehead University) on a critical issue in an age of globalization and technological change: the rising trend in income and wealth inequality and its adverse social effects.

5:30 – 8:00 pm ■ *Publications scientifiques en français dans le Nord de l'Ontario: quelles réalités?* (Crit Pit, McEwen School of Architecture)

The Association francophone pour le savoir (ACFAS) Sudbury will hold a round table discussion on the opportunities to publish in French in Northern Ontario.



Monday to Thursday ■ 2018 SNOLAB Photowalk Exhibit

(Atrium, R.D. Parker Building)

Take a look inside SNOLAB, Canada's deep underground science laboratory, through the lens of 17 amateur and professional photographers.

TUESDAY, MARCH 19

8:30 am – 12:00 pm ■ ECHO Research Centre: Northern Roots and Global Reach *(Northern Water Sports Centre, 206 Ramsey Lake Road)*

ECHO (Evaluating Children's Health Outcomes) faculty, students and community members will share the highlights of their research and discuss local and global implications.

9:00 am – 4:30 pm ■ Graduate Symposium – Day 1 *(CF-203, Cliff Fielding Research, Innovation and Engineering Building)*

Join the Faculty of Graduate Studies for the student presentations that will be held March 19, 20, and 21.

9:00 am – 4:00 pm ■ Research and Collaboration to Improve Access to Mental Health Services in North Ontario *(W-132, West Residence)*

The Consortium national de formation en santé at Laurentian University will present a mini colloquium on mental health in Northern Ontario, with a particular focus on access to, and delivery of, services in French. The presentation will be translated simultaneously in English.

9:00 am – 12:00 pm ■ Design Principles for Age-Friendly Environments: Campus and Core 2025 *(Indigenous Sharing and Learning Centre)*

The Laurentian Research Institute for Aging will present a discussion on identifying a preliminary list of age-friendly designs and research opportunities that will link the campus (University) and core (City) by 2025.

10:00 – 11:30 am ■ The Economy of Northern Ontario: Structural Changes and Implications for the Labour Market *(Governors' Lounge, 11th floor, R.D. Parker Building)*

The Department of Economics will present a seminar on the changing economic landscape and the effects of long-term structural changes on the labour market of Northern Ontario.

12:00 – 1:00 pm ■ 3-Minute Research (3MR): Faculty Presentations *(CF-203, Cliff Fielding Research, Innovation and Engineering Building)*

The 3MR is a lightning round of presentations where Laurentian faculty members will present their research in 3 minutes, using only one slide.

12:00 – 1:30 pm ■ Plain Language 101: Writing research consent forms that participants can understand *(L-612, R.D. Parker Building)*

A hands-on workshop led by the Laurentian University Research Ethics Board will review the TCPS2 2014 requirements for the process of obtaining informed consent; participants will practice evaluating and re-writing samples of text representative of many consent forms.



3:00 – 5:00 pm ■ Paint Your Research (CF-201, *Jim Fielding Innovation and Commercialization Space*)

Join members of the SNOLAB team to creatively express your research and take the abstract, jargon-filled science that we do day-to-day, and turn it into ART! Open to all. Materials will be provided.

3:30 – 4:30 pm ■ La santé mondiale à Sudbury (*Governors' Lounge, 11th floor, R.D. Parker Building*)

School of Nursing students will give poster presentations on various world health topics that have an impact on Sudbury.

4:00 – 6:00 pm ■ Research Trivia Night (*University Club, 2nd floor, Fraser Building*)

Test your general and Laurentian research trivia knowledge at Research Trivia Night! All are welcomed; teams are encouraged. There will be refreshments and prizes.

7:30 pm ■ Cowboy Science: Regulating Research in an Unregulated World (*Taphouse Northern Grill + Pub*)

Science North will present an evening of discussion on how unfettered experimentation driven by pure curiosity is giving way to a debate over whether to establish 'no-go' areas of science – such as using new gene-editing technologies to produce engineered babies, giving flu viruses and other pathogens new capabilities, and engineering microbes to produce illegal drugs.

WEDNESDAY, MARCH 20

9:00 am – 4:00 pm ■ Graduate Symposium – Day 2 (CF-203, *Cliff Fielding Research, Innovation and Engineering Building*)

9:00 am – 4:00 pm ■ Science Art Show (*Atrium, R.D. Parker Building*)

Organized by Laurentian's NSERC Leader, the Science Art Show is an annual creative arts competition where researchers are challenged to find aesthetic beauty in their experimental work and artists are urged to explore scientific concepts through their art.

11:00 am – 12:30 pm ■ Louise Picard Presentations (*Governors' Lounge, 11th floor, R.D. Parker Building*)

The Louise Picard Public Health Research Grant is a joint research program between Public Health Sudbury & Districts and Laurentian University. Past recipients will present their research and the 2019 recipients will be announced.

12:00 – 1:00 pm ■ 3-Minute Thesis Competition (3MT®) (CF-203, *Cliff Fielding Research, Innovation and Engineering Building*)

Laurentian graduate students will present their research and its wider impact on society to a panel of non-specialist judges in three minutes or less, using only one slide.



12:45 – 7:30 pm ■ Work on Wood | Le bois à l'œuvre 2019

(Crit Pit, McEwen School of Architecture)

This day-long conference which includes a series of invited lecturers from the McEwen School of Architecture, Laurentian University and external speakers will begin a dialogue on the economic, environmental, industrial and design issues surrounding the development of an architectural wood industry.

1:30 – 2:30 pm ■ How to Get Published in Peer-Reviewed Academic Journals *(Governors' Lounge, 11th floor, R.D. Parker Building)*

Dr. Louis-Philippe Rochon, Editor of the Review of Political Economy, will discuss the dos and don'ts of submitting a paper, and how to enhance your chances of getting published.

2:30 – 4:00 pm ■ Fatality Prevention in Outdoor Education and Related Contexts with Children and Youth *(FA-386, Executive Learning Centre)*

Dr. Andrew Brookes, Adjunct Associate Professor in Outdoor and Environmental Education at La Trobe University in Australia, will share insights on preventing fatalities in outdoor education with children and youth. This differs from generic risk and safety management procedures, and is from an extensive case-based study of fatality prevention in the outdoor education field. It will be followed by a discussion period.

3:00 – 3:30 pm ■ 3-Minute Updates from SNOLAB *(Governors' Lounge, 11th floor, R.D. Parker Building)*

SNOLAB and the Department of Physics present a fast, fun and informative round of talks to provide an update of experiments underway at SNOLAB.

THURSDAY, MARCH 21

8:30 am – 12:00 pm ■ Open Planning Session on Research and Aging in North Eastern Ontario *(Room 105, Health Sciences Building)*

Laurentian University Research Institute for Aging hosts researchers from HSNRI, NOSM, and Laurentian will discuss ageing research in the North East, including major challenges and concerns and projections over the next 20 years.

9:00 am – 4:30 pm ■ Graduate Symposium – Day 3 *(CF-203, Cliff Fielding Research, Innovation and Engineering Building)*

9:00 am – 4:00 pm ■ Honouring Indigenous Voices in Research *(Indigenous Sharing and Learning Centre)*

This day, organized by the Maamwizing Indigenous Research Institute, will highlight Indigenous research and its engagement with the community. The day will include a panel, "Roles & Responsibilities in Indigenous Research: Ethical Engagement with Communities" and an arts-based workshop, "Visualizing Indigenous Research Through a Collaborative Mural."



10:00 – 11:00 am ■ Research Excellence Award Talk (FA-386, Executive Learning Centre)

The 2018 Laurentian Research Excellence Award winner, Dr. Jackie Litzgus, will present an overview and highlights of her research.

12:00 – 3:00 pm ■ Dr. Edward S. Boyden: 2018 Canada Gairdner Laureate Presentation (FA-386, Executive Learning Centre)

Dr. Edward S. Boyden, Professor in Neurotechnology, Departments of Biological Engineering and Brain and Cognitive Sciences and Media Lab and McGovern Institute at MIT, is the 2018 Canada Gairdner International Laureate.

Dr. Boyden's research has focused on optical technologies for understanding how neurons work together to generate behaviour and how their activity changes in disease states or can be changed to treat such diseases.

- 12:30 – 2:00 pm: Pizza lunch and Lecture, open to students and faculty (Executive Learning Centre, FA-386)
- 2:00 – 2:30 pm: Student question period (Executive Learning Centre, FA-386)
- 2:40 – 3:10 pm: Student question period (NOSM, MSE 215)

1:00 – 5:00 p.m. ■ BIO SciComm "Ted Talks" (CF-203, Cliff Fielding Research, Innovation and Engineering Building)

Master's students from the Biology and Science Communication programs will hold the first annual BIO SciComm "Ted Talks". Produced and directed by the Science Communication students, this group of biologists will engage and inspire the audience with their fascinating research and polished presentation skills.

1:00 – 2:30 pm ■ Voyageurs' Innovation Challenge (CF-201, Jim Fielding Innovation and Commercialization Space)

The Voyageurs' Innovation Challenge is a unique entrepreneurship competition featuring teams of faculty members and students pitching their innovative business ideas to a panel of judges.

1:30 – 4:30 pm ■ Association of Retired Academics at Laurentian University (Senate Chamber, 11th floor, R.D. Parker Building)

Retired researchers Dieter Buse, Roger Nash, Roger Spielmann, Joe Shorthouse and Donald Dennie will present their recent projects and/or publications.

2:00 – 3:00 pm ■ Best Practices in the Ethical Review of University-Based Research with Indigenous Participants (L-612, R.D. Parker Building)

In this presentation, Dr. Rosanna Langer, Chair of the Laurentian University Research Ethics Board (REB), will report on a cross-country survey on the best practices at Canadian Universities regarding REB review of Indigenous research.

2:00 – 4:00 pm ■ Clinical Research at HSN/HSNRI (Ramsey Lake Health Centre, Lecture Rooms B and C, 41 Ramsey Lake Road)

Physicians and researchers at Health Sciences North/Health Sciences North Research Institute, the affiliated academic and research hospital of Laurentian University, showcase their active clinical research.



4:00 – 5:00 pm ■ Restorying Teacher Education: Truth, Reconciliation, and Equity – Faculty of Education Lecture (*SE-111, School of Education*)

In this lecture, Dr. Nicholas Ng-A-Fook (Director of the Teacher Education Program at the University of Ottawa) will look at how Ontario teacher education, now and in the future, can critically question the (colonizing) systems and respective curricula we have inherited, and listen to and learn from differing Indigenous perspectives.

FRIDAY, MARCH 22

10:00 – 11:00 am ■ Intellectual Property 101 for Researchers, Entrepreneurs and Startups (*CF-201, Jim Fielding Innovation and Commercialization Space*)

The Foundry presents guest speaker Micheline Gravelle (Managing Partner at Bereskin & Parr LLP) who will give an overview of intellectual property, commercialization and intellectual property at Laurentian.

1:00 – 3:00 pm ■ Awards Ceremony and Gala (*Alumni Hall, 2nd floor Fraser Building*)

Please join us for the Research Week Awards Gala and Celebration as we recognize the achievements of our faculty and students. Awards will be presented in the categories of: Best PhD and Best Master's Presentation Awards, 3MT® Competition, 3MR Competition, Science Art Show, Voyageurs' Innovation Challenge, Innovation Award, the Research Excellence Award, and the Top 10 Research Achievements of 2018. Announcements of our research initiatives and internal research funding programs will also be made. A social event will follow at the University Club.

1:00 – 5:00 pm ■ Behavioural Neuroscience at Laurentian University (*W-132, West Residence*)

A celebration of the Behavioural Neuroscience program at Laurentian, featuring past and present students and collaborators highlighting the achievements and influences of the Behavioural Neuroscience research group.

