

Graduate Newsletter (Week of November 23 2020)

You are receiving this email in order to keep you up-to-date and informed of important events, information and deadlines pertaining to Graduate Studies in the Faculty of Engineering.

Deadlines this week:

Item	Description	Deadline
Change of Registration	<i>Recommended deadline to submit to the School of Graduate and Postdoctoral Studies any request for a Change of Registration for the winter term (leave of absence, part-time status, transfer from master's to doctoral degree, intent to be eligible for TDO status etc.).</i>	November 25, 2020

Faculty Graduate Office Announcements:

All Winter 2021 term graduate courses in the Faculty of Engineering will be offered online. This decision has been reached while taking into consideration the health & safety of students, faculty & staff, and the allowable occupancy limit on campus. We would like to assure you that we will continue every effort to offer online courses with high standards of delivery while maintaining effective learning experiences and learning outcomes. Please contact the Graduate Office in your Department if you have any questions.

:: Academic Accommodation Policy (Graduate)

Students who are not able to meet certain academic responsibilities due to medical, compassionate or other legitimate reason(s), could request for academic consideration. The Graduate Academic Accommodation Policy and Procedure details are now available [here](#).

Graduate Student Services & Supports:

:: Skills for Wellness (Support Group)

Thursdays, until December 3rd from 1:30-3pm over Zoom

This is an active 6-week therapy group. We will discuss building awareness and understanding of who you are and what you stand for in this world, which helps us as human beings to find purpose and take steps towards a meaningful life. If you are looking to find strategies and skills to cope this group may be of interest to you. You can expect to learn how to be more present, identify difficult thoughts and feelings, more effectively regulate emotions and reactions, and do more of what matters to you by clarifying your values and setting goals. This group will focus on psychoeducation, and practicing experiential exercises, to apply these strategies to your day to day life. To register, call **519.661.3030**

:: Parental Loss (Support Group)

This is a professionally facilitated, weekly support group over Zoom for students who have lost a Parent during the time they are studying at Western. It's a safe space to connect with others to give and receive emotional and practical support and learn about grieving your loss.

Once signed up, a group facilitator will contact you to do an individual intake and schedule group dates and times. To register, call **519.661.3030**

:: Journey Together (Wellness Group for BIPOC students)

Thursdays 10-11:30am, until December 3rd

(no session during reading week)

This is a 6-week virtual support group for students who identify as racialized (Black, Indigenous, Person of Colour). This is a pilot wellness group that aims to create a safe and healing space to share lived experiences with race-related stress. To register, call **519.661.3030**

**Please note this is not a drop-in group. We are asking people to join for the full duration.*

Graduate Scholarships/Awards Information:

:: Mitacs Accelerate Industrial Postdoc – Valued at \$55 000 per year

Application Deadline November 25 2020

Provides one, two or three years of funding for a postdoctoral fellow. This special initiative offers better leveraging than standard Mitacs Accelerate internships to:

- Build a longer-term collaboration with a company or not-for-profit organization
- Apply their expertise to real-world problems
- Connect with a potential employer

More information, email accelerate@mitacs.ca | Website [Here](#)

:: NSERC Canada Graduate Scholarship- Masters (CGS-M)

Application Deadline: December 1, 2020; 7:59pm

The objective of the [Canada Graduate Scholarships - Master's Program](#) (CGSM) is to help develop research skills and assist in the training of highly qualified personnel by supporting students who demonstrate a high standard of achievement in undergraduate and early graduate studies.

Value & Duration: \$17,500 for 12 months, non-renewable

Please see https://grad.uwo.ca/finances/external_funding/cgsm.html for more information.

:: Research Ideas Competition to promote health, sustainability and equity in Low- and Middle-Income Countries (LMICs)

Application deadline: December 11, 2020

The goal of this competition is to inspire novel research ideas that aim to strengthen policy interventions, population health, environmental sustainability and/or health, gender and social equity in LMICs. These novel ideas are expected to deliver health and environmental co-benefits by addressing the interlinked nutrition and environmental challenges and knowledge gaps that impede shifts towards healthier and sustainable food systems. These ideas will promote a conceptual understanding of healthy and sustainable food systems and account for the practical realities of their implementation.

Details/Register: [Here](#) | Email: idrc.researchideas@utoronto.ca

:: Mitacs Elevate Postdoc – Valued at \$60 000 per year + Professional Development Training

Final Application Deadline February 10 2021 (see [website](#) for detail)

Provides two years of postdoc funding valued at \$60,000/year plus extensive customized professional development training (\$7,500/year non-cash value). More information, email elevate@mitacs.ca

:: Joan Bath and Peter Howe Bursary for Advancement in the Mineral Industry

Application Deadline December 1, 2020

The call for applications is now open for two \$3,000 bursaries with the aim to assist geoscientists and engineers in a field related to mining, with their further education in Canada. The bursary will be available to one male and one female enrolled in post-graduate studies in geoscience or a field of engineering related to mining, with a minimum of three year's industry experience. More information:

<https://www.pdac.ca/members/students/awards/joan-bath-and-peter-howe-bursary>

:: Federation of University Women (CFUW) Fellowship

Application deadline: December 14, 2020

This award was designed to honour Dr. Marion Elder Grant's life-long commitment to education of women. Dr. Grant has an outstanding record of leadership as the 11th CFUW President (1949-52), CFUW Wolfville President, and Dean of Women and Professor of Psychology, Acadia University.

For the 2020-2021 academic year, the value range of the award is \$10,000 - \$25,000.

Details/Register: [Here](#).

:: Science Exposed Research Image Contest, \$2000 cash prize.

Application deadline: January 18, 2021 @ 11:59 EST

NSERC has recently launched a new edition of the [Science Exposed](#) contest, in collaboration with Association francophone pour le savoir (Acfas). The research image contest challenges researchers to combine creativity and science for a chance to win cash prizes of \$2,000.

The Science Exposed contest is devoted exclusively to images of scientific research, in all fields of study.

We invite you to review the contest rules before capturing your image.

:: Hugh C. Morris Experiential Learning Fellowship

Application Deadline February 15th, 2021

Valued at \$40,000 CAD, this fellowship is open to any graduate student studying in Canada who is working in a field related to earth, geosciences, environment, alternative energy, water, climate change, sustainability, or to the social impact, social sciences or design sciences related to these areas, and is designed to provide a unique experiential, international travel program designed by the student to engage diverse sectors, advance their research, learn from a range of contexts and cultures, and bring their learning back to Canada. Full details can be found at the [Kimberley Foundation](#).

Graduate Student Societies Announcements:

Academic Opportunities:

Other Upcoming Events:

:: Waterloo Nanotechnology Conference

Saturday, November 28 | Virtual

What will it take for us to cure cancer, tackle climate change, or simulate nature's most complex systems? On November 28th, the [Waterloo Nanotechnology Conference](#) will explore the answers to these questions. Waterloo invites you to join them virtually as they embark on a journey taking you through the fields in which nanotechnology is making its biggest impact — Medicine, Environment, and Information Technology. Check out the [promo video](#) to learn more! If you are interested, register for the conference [HERE](#)! And if you have any questions, you can send them to ec3thomp@uwaterloo.ca.

Department Announcements this Week

Biomedical:

:: BME Seminar Series

November 24th @ 12:30pm via [Zoom](#)

Patrick Carnahan will deliver a presentation titled Fully automatic mitral valve segmentation for patient specific valve modelling, Niusha Kheirkhah will deliver a presentation titled Ultrasound Elastography for Assessing Locally Advanced Breast Cancer Response to Chemotherapy, and Yuqing Ye will deliver a presentation titled the influence of dimension of piercing needle and number of pierced holes on aerodynamic performance of both carrier-based and carrier-free formulation with Breezhaler®.

Join via Zoom: <https://westernuniversity.zoom.us/j/98613461288>

Chemical and Biochemical:

Civil and Environmental:

**:: “London’s Changing Climate, the Climate Emergency, and what it means?” Presented by Patrick Donnelly, Manager, Watershed Programs, City of London
November 24th @ 1:30pm via [Zoom](#)**

Council declared a climate emergency in December, 2019 to provide a call for action, to focus attention and mobilize the entire City. In years prior, work had been steadily increasing to monitor the climate changes, assess the risks and prepare for the climate actions needed. The Climate Emergency Action Plan now in preparation, will synthesis the previous work in addition to the views of the public, businesses, institutions and stakeholders to direct both climate change mitigation and adaptation efforts. This presentation will shed light on the process, the challenges, and the behaviour change needed for London to successfully strive for sustainability.

Join via Zoom: <https://westernuniversity.zoom.us/j/7182941417>

Electrical and Computer:

Mechanical and Materials:

**:: “Microscopy and Spectroscopy Diagnosis Guided Design of Materials for Better Batteries,” Presented by Dr. Chongmin Wang, Pacific Northwest Laboratory
November 23rd @ 1:30pm via [Zoom](#)**

Diagnosis based on microscopy and spectroscopy have been realized to be one of the essential approaches for gaining insights as how an electrode material failure, therefore feeding back for optimized designing and creating new materials with enhanced battery performances. In this presentation, I will focus on recent progress on ex-situ, in-situ, operando and cryo-scanning transmission electron microscopy studies for probing into the structural and chemical evolution of electrode materials for lithium ion batteries and beyond. I will highlight several recent key observations, which even appear to be well documented, while essentially are poorly understood, therefore limiting the advances of both cathode and anode for better batteries. It would be expected that this presentation can stimulate new ideas as how to attack these bottlenecks to advance the electrode materials design for better batteries. Join via Zoom: <https://westernuniversity.zoom.us/j/92202435445>

Western Engineering Graduate Office

Western Engineering is committed to provide best support to graduate students. If you have any questions or concerns, please contact the Graduate Office in your [Department](#) or the Faculty Graduate Office wegraduate@uwo.ca.

*Please send all information to be included in the weekly Graduate Newsletter to Pauline Shen
pkot2@uwo.ca by Thursday no later than 4pm.*
