Thesis Defense Seminars

**CPSC** MSc Final Seminar: “Higher-Order (Temporal) Relationship-Based Access Control” by Chahal Arora (Supervisor: Philip Fong) on **Wednesday, January 26 at 12:00pm**. Please contact the Computer Science Department (cpsc@ucalgary.ca) for zoom details.

Seminars

**GEOS** GOLD seminar series: “A revolutionary new core analysis method for unconventional reservoirs based on rate-transient analysis theory (RT APK)” by Dr. Chris Clarkson (Department of Geoscience, UofC) on **Wednesday, January 26 at 12:00pm**. Please contact the Geoscience Department (geoscience@ucalgary.ca) for zoom details.

**GEOS** Gallagher Colloquium Series: “How Life and Rocks Co-Evolve: The 4.5 Billion-Year Story of Earth” by Dr. Robert M. Hazan, Senior Scientist, Carnegie Institute for Science, George Mason University. On **Thursday, January 27 from 6:30-7:45 PM**. For further information and to register please click [here](#).

**CHEM** NSERC CREATE ME²(Material for Electrochemical Energy Solutions): Solid Electrolytes for All-Solid-State Batteries workshop presents “Advancing All-Solid-State Batteries” by keynote speaker Dr. Linda Nazar (Department of Chemistry, University of Waterloo) on **Thursday, January 27 from 10:00am to 12:00pm (MST)**. This workshop will also include a presentation from the CREATE ME2 trainees, Dr. Chengtian Zhou and Akhil Abraham. For further information or to register please click [here](#).

**SSE** Schulich Research Talks 2022: “Functional Abio-Bio Surface Integrated Electronics for Healthcare Applications” By Dr. Richa Pandey (Department of Biomedical Engineering, UofC) & “Life, Dust and Soap: Synergistic Interactions of Colloids, and Where They Might be Useful” by Dr. Steven Bryant (Department of Chemical and Petroleum Engineering, UofC) on **Thursday, January 27 at 12:30pm**. Please contact Schulich School of Engineering for zoom details.

**BISI** Ecology and Evolution Biology Seminar: “Ecological trajectories: Tools to address conflicting evidence in temporal ecology” by Dr. Christie Bahlai (Department of Biological Sciences, Kent State University) on **Friday, January 28 at 12:00pm**. Please contact the Department of Biological Sciences for zoom details (biosci@ucalgary.ca).

**MTST** The Mathematical and Computational Finance Laboratory: Lunch in the Lab Seminar series presents “General Compound Hawkes Processes for Mid-Price Prediction” by Myles Sjogren (Department of Mathematics and Statistics, University of Calgary) on **Tuesday, February 1 at 12:00pm**. Please contact the Department of Mathematics and Statistics for zoom details (mathadmin@ucalgary.ca).

**FoS** EDI Leadership club: “The Impact of Culture in Academia” on **Thursday, February 3 from 10:00-11:00am**. In this event, we’ll do a short experiential exercise based on the attached required reading (7 pages, ~15 min read) about the concept of "Power Distance" and have an open conversation about how power distance can influence collaboration in academia. No past experience is required! **This event is open to all graduate students and faculty.** Please pre-register here: [https://ucalgary.zoom.us/meeting/register/tJEqdOyvqD0rHNaNahVS5t7QwL4b0872sNZEic](https://ucalgary.zoom.us/meeting/register/tJEqdOyvqD0rHNaNahVS5t7QwL4b0872sNZEic)

**UCBC** University of Calgary Biostatistics Centre is hosting an Introduction to R Programming Workshop on **February 22, 2022, from 4:00-6:30pm and February 23, from 9:00-11:30am**. Please see attached pdf for details.
GSA Peer Beyond Graduate Research Conference is now open for presentation registration. The conference will take place virtually from February 23 to 25. You can be a part of the conference this year by presenting your research through a talk, poster or an exhibit. Register to present here. Last year, 95 Graduate students presented from 10 Faculties and shared their research with over 200 attendees.

Opportunities

Start Here: Building and Presenting your EDI plan for Tri-Council Funding Applications

Participants in this session with Research Services will gain:

1. An understanding of how EDI is tied to research excellence.
2. Initial and essential learning to develop an authentic, high-impact EDI plan in their own research program/team.
3. Skills to address EDI-related selection criteria and avoid common issues in Tri-council funding applications.

Register here.

Date: Friday, February 4, 2022, 12 to 1:20 p.m. (MT)

Equity, Diversity and Inclusion Week is January 31 to February 7! For more information on this event and others, please visit the EDI Week website here.

Workshop: How to Develop an Effective EDI Action Plan?
The NSERC Colleges and Dimensions teams are offering a session on February 10, 12:00-2:00pm MST. Pls email college@nserc-crsg.gc.ca and include your name, institutional affiliation, role and/or title, and the date and time of the session you want to attend.

Emissions Reduction Alberta: Carbon Capture Kickstart supports pre-construction design and engineering. It does not support capital costs. It is focused onsite carbon capture, direct air capture, direct carbon conversion, and strategic CO₂ transportation infrastructure. ERA will contribute up to 50 percent of the project cost to a maximum of $5 million and a minimum of $1 million. See program page and Expression of Interest guidelines for more information.

Informational webinar: January 26 at 9am. Register here. Expression of Interest due: March 3 at 5pm

REMINDER: Energy Innovation Program - Clean Fuels and Industrial Fuel Switching advances clean energy technologies that will help Canada meet its climate change targets, while supporting the transition to a low-carbon economy. As part of OERD’s efforts to accelerate the development of technologies that can decarbonize industry, this funding call targets three focus areas: 1) Industrial Fuel Switching, 2) Clean Fuels Production, and 3) Hydrogen Codes and Standards. See funding calendar or program page for more details. An EOI is required by the agency and due on February 2 - if you submit to the agency please email a copy of your EOI to rsogrants@ucalgary.ca at the time of submission.

Opportunities – Awards

If you are planning on submitting a nomination for yourself or someone else, and would like support in developing the nomination package, please contact Danielle Demiantschuk as early as possible.

NSERC Prizes, due in April, celebrate researchers at different career stages who are advancing research in the natural sciences and engineering fields. The Faculty of Science Awards Committee is seeking nominations (a short paragraph about why the nominee should be considered and a current CV) for the following prizes:

- Brockhouse Canada Prize for Interdisciplinary Research
- The Donna Strickland Prize for Societal Impact
- The Gerhard Herzberg Canada Gold Medal
- The John C. Polanyi Award
- Synergy Awards

Please submit nominations to Danielle (contact above) no later than January 24.

**The Japan Prize Foundation** is an annual award for scientists and engineers from around the world who have made significant contributions to the advancement of science and technology, thereby furthering the cause of peace and prosperity of mankind. The eligible fields for the 2023 prize are: Electronics, Information, Communication and Life Sciences. Please visit the [Prize page](#) for more details. **Deadline: January 31.**

**Calgary Awards**, offered by the City of Calgary, celebrate and recognize outstanding achievements and contributions made by Calgarians. Last year there were four major categories which included: The Award for Accessibility; The Community Achievement Awards; The Environmental Achievement Award; The International Achievement Award. The Calgary Awards are now open until February 9. Further information on these awards will be communicated in early January.

**Emerald Awards** celebrate individuals who are raising the bar in addressing local, regional, and global environmental and climate issues. These environmental awards celebrate excellence across all sectors, more information can be found on the [awards page](#). **Deadline: February 11.**

**Royal Society of Canada Awards and Medals** nomination period, which will be open from January 15 to March 31. Please visit the [RSC Awards and Medals page](#) for the 2022 opportunities:

- Bancroft Award - Geology
- Flavelle Medal - Biological Science
- John L. Synge Award - Mathematical Sciences
- McLaughlin Medal – Medical Science
- Miroslaw Romanowski Medal – Environmental issues
- Rutherford Memorial Medal in Chemistry – Chemistry
- Rutherford Memorial Medal in Physics – Physics
- Willet G. Miller Medal - Earth, Ocean and Atmospheric Sciences

**The Global Energy Prize** is awarded to the world’s leading scientists, whose discoveries and technological innovations meet global energy challenges. More information is [here](#). **Deadline: March 20.**

**Calgary’s Top 40 Under 40** features young business and community leaders who are excelling in their careers, are giving back to the community, and who, through personal and professional efforts, are raising the profile of Calgary. Please visit the [website](#) for more information. **Deadline: April 30.**

**Opportunities – Health Sciences**

**Alberta Innovates/CIHR: Computer Modeling and Simulation to Accelerate Health Research**

Alberta Innovates partnered with CIHR to advance a priority research area of [Computer Modeling and Simulation to Accelerate Health Research](#). This partnership serves as a digital health catalyst for health research in Alberta and complements Alberta Innovates’ Accelerating Innovations into CarE – Concepts Program. This opportunity is being delivered through [CIHR’s 2022 Spring Project Grant Competition (202203PJT)](#) and aims to fund research projects that seek to:

- Develop novel tools, techniques, methods, or technologies for computational modelling and simulation to accelerate health research OR radically advance existing computational modelling and simulation approaches to accelerate health research.

Funding amount: Up to $150,000 per project for 1 year is available. Principal Applicant must be based in Alberta.
CIHR: Reviewer in Training Program offers Early Career Researchers (ECRs; 0-84 months from first academic appointment) an opportunity to better understand the elements of high quality review and the peer review process through direct participation in the Project Grant competition with the support of a Mentor. RiT participants will be assigned up to three applications for practice reviews, attend the peer review meeting, present one review, and participate in the committee meeting. More information can be found here. Deadline February 4th, 23:59 Eastern time. RSO contact: Lindsey Hritzuk

CIHR: Network Grants in Oral Health and Bone Health CIHR has extended the REGISTRATION deadline to February 22; the internal application deadline remains Thursday, March 3. Contact: Lindsey Hritzuk

REMINDER: CIHR Project Grant Webinars (one hour) will support applicants to “Project Grant – Spring 2022”. Wednesday, January 26 at 9:00 am MST here or Thursday, February 17 at 11:00 am MST here

Opportunities – Social Sciences

Office of the Privacy Commissioner of Canada: Contributions Program 2022-23 funds independent privacy research and knowledge translation initiatives, in particular innovative projects that seek to better understand and address key and emerging issues related to privacy. This year, the OPC is particularly interested in funding projects on “Who is impacted and how: assessing and mitigating privacy risks, barriers and inequalities”. RSO full application deadline February 4 at 12:00 p.m. Contact: Emma Koiston

Opportunities – Postdoctoral Scholars

REMINDER: 2022 Killam Postdoctoral Fellowship enables Postdocs to engage in training at the University of Calgary in all faculties and research areas, consolidate their research training, develop and initiate original research in their discipline, and contribute to the activities of the host unit. Postdocs who have completed their PhD or equivalent degree from another institution between 1 September 2019 and 1 September 2022 are eligible to apply – details are here. Award: $50,000 per year for two years and a one-time $6,000 research allowance. Deadline: Friday, February 18 at 11:59 p.m. MST. Contact: vprawards@ucalgary.ca

National Science Foundation- STEM Education Postdoctoral Fellowship (new!) is soliciting applications for postdoctoral fellowships. The Fellowships are open to U.S. citizens, national or legally admitted permanent resident alien of the United States. Details: here Deadline: March 1

Opportunities – Graduate

Hugh C. Morris Experiential Learning Fellowship is open to any graduate student studying in Canada working in a field related to earth, geoscience, environment, alternative energy, water, climate change, sustainability or to the social impact, social sciences or design sciences related to these areas. It is designed to provide a unique experiential travel program designed by the student. Award: $40,000 Deadline: February 15. Details here

IDRC Research Awards 2022-2023 related to: Climate-Resilient Food Systems, Democratic and Inclusive Governance, Education and Science, Ethics in Development Research, Global Health, Policy and Evaluation, and
Sustainable Inclusive Economies. **Award:** $42,033 to $48, 659 (May 1, 2022, to April 30, 2023) **Deadline:** February 14. Details [here](#).

**EDGE Program** is a workshop at Roots of Unity Workshop (June 12-16, 2022) designed to support women, particularly women of color, who have completed 1-3 years of graduate school and are considering research in algebra, combinatorics, geometry, topology, or number theory. Details [here](#) **Deadline:** February 15.

**Canada-ASEAN Scholarships and Educational Exchanges for Development (SEED)** Global Affairs Canada has opened the 2022/23 call for funding for short-term exchange opportunities for study or research at Canadian institutions. $10,200-12,700 available for undergraduate or graduate students from ASEAN member states (Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand, or Vietnam) for research or study lasting 4-6 months. Details and internal application [here](#). For application advice and support, contact [Heather Clitheroe](#). **Deadline:** February 20.

**Emerging Leaders in the Americas (ELAP) Scholarships** Global Affairs Canada has opened the 2022/23 call for Emerging Leaders in the Americas Program (ELAP) scholarships for undergraduate and graduate students to undertake short-term research or study at Canadian institutions. $8,200-11,100 available for 4-6 months for students from the Caribbean, Central America, Mexico, and South America (full list of eligible countries in guidelines). Details [here](#). For application advice and support, contact [Heather Clitheroe](#). **Deadline:** March 7.

**Congratulations**

Congratulations to the **Rothney Astrophysical Observatory** on their 50th anniversary! Check the CTV news video [here](#).

To our BSc alumni **Joshua Evans, BSc ‘20 (Hons)** who published their undergraduate study on the evidence for wildfire smoke in the Bow River using 18 years of data collected by fellow students in the Environmental Science Field Course I (ENSC 401), with long time co-authors **Drs. Mary Reid (BISI) and Ann-Lise Norman (PHAS)**. Please see [UToday](#) for further information on remarkable undergraduate research achievement!

**Did You Know?**

That **Tri-council grant funds** are especially important because the amount of federally allocated funds (e.g. CRC Chairs, CFI funds, etc.) are based on the Tri council funding institutional researchers receive over the previous three years? For more CRC information, please click [here](#).

The Gallagher Library has a new workshop series page highlighting upcoming and on-demand STEM-related **workshops** for students and instructors.

These have certainly been very challenging times, and sometimes important things are delayed. If you are a PhD (and some program MSc) student who feels like you haven't had your regular annual committee meeting, you can ask your supervisor if you can help organize one!

UCalgary is offering several events during the week of January 24th to help support our community and their mental well-being. Check out the landing page on the Campus Mental Strategy for a complete listing of events.

**Equity, Diversity, and Inclusion Week “From Commitments to Action – Building Equitable Pathways and Futures in the University”** is **January 31 – February 7**. Details [here](#).