

Connaught Summer Institute in Arctic Science: Atmosphere, Cryosphere, and Climate

Applications are invited for the 2014 Connaught Summer Institute in Arctic Science

The Connaught Summer Institute in Arctic Science: Atmosphere, Cryosphere, and Climate is a new initiative that aims to bring together students and established scholars who are engaged in Arctic research, to provide an understanding of the Arctic climate and the processes that control it, and to establish an interdisciplinary forum in which they can discuss current challenges and identify emerging research opportunities in this area. The Summer Institute is supported by the University of Toronto's Connaught Fund and builds on the Summer School program developed by the NSERC CREATE Training Program in Arctic Atmospheric Science (CREATE-AAS). It is affiliated with three new NSERC-funded networks: Probing the Atmosphere of the High Arctic (PAHA), the Network on Climate and Aerosols (NETCARE), and the Canadian Sea Ice and Snow Evolution (CanSISE) Network. The Summer Institute spans the disciplines of physics, chemistry, earth sciences, geography, environmental science, and related areas, and encompasses the use of experimental, field observation, and modelling methodologies to study the Arctic region.

We are pleased to invite applications for our first Summer Institute, offered from July 14 to 18, 2014 in Alliston, Ontario. It is intended for graduate students and postdoctoral fellows engaged in Arctic research. It is open to students from across the University of Toronto, as well as from other institutions, both national and international. Attendees will have the opportunity to learn from experienced researchers in a small and comfortable setting. Students will also participate in professional development activities; engage in a diverse career panel discussion; develop strategies for linking scientific knowledge to public engagement, education and outreach; and present their own research during a poster session.

Topics to be covered include environmental change in the Arctic, limnology, aerosol-cryosphere-climate interactions, climate modelling, aerosol radiative forcing, cryospheric processes, Arctic sea ice geophysics and ocean-ice-atmosphere interactions, paleoclimatology, Arctic ocean dynamics, carbon capture and storage, ocean biogeochemistry and carbon cycling in Arctic waters, Arctic atmospheric composition, ozone science, and Inuit history and culture. **Speakers** will include **Marianne Douglas** (Queen's University), **Mark Flanner** (University of Michigan), **Chris Fletcher** (University of Waterloo), **Christian Haas** (York University), **Jochen Halfar** (University of Toronto), **Cameron McNaughton** (Golder Associates), **Lisa Miller** (Fisheries and Oceans Canada), **David Serkoak** (Inuit elder and educator), and **David Tarasick** (Environment Canada).

Admission to the Summer Institute includes all on-site food and accommodation. A chartered bus will be available to take attendees to and from downtown Toronto, however, attendees are responsible for travel between their home institution and Toronto or Alliston. To apply, please fill out the application form obtained from the Opportunities section of the CREATE-AAS website (http://www.candac.ca/create/CSI_Arctic_science_application_form_2014.pdf). A completed application must also include a CV and a short letter of support from the applicant's supervisor. Please submit your application by email to csi-arctic-science@atmosph.physics.utoronto.ca.

Location: Nottawasaga Inn, Alliston, Ontario, Canada. **Dates:** July 14-18, 2014.

Eligibility: Open to Canadian and international graduate students and post-doctoral fellows.

Tuition: There are no tuition fees, but attendees must cover the cost of return travel from their home institution.

Application Deadline: May 30, 2014.

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