NSERC CREATE
Training Program in
Arctic Atmospheric Science

University of Toronto | Dalhousie University | University of New Brunswick | Université de Sherbrooke
York University | University of Waterloo | University of Western Ontario | University of Saskatchewan
Environment Canada | University of Idaho | University of Wisconsin | NOAA

2012 Summer School in Arctic Atmospheric Science

The NSERC CREATE Training Program in Arctic Atmospheric Science is a six-year project, begun in 2010 and supported by NSERC’s Collaborative Research and Training Experience Program. Our Program takes advantage of the unique capabilities of the Polar Environment Atmospheric Research Laboratory (PEARL), which is run by the Canadian Network for the Detection of Atmospheric Change (CANDAC) and located at Eureka, Nunavut. Our goal is to significantly enhance the educational opportunities available to young researchers interested in polar, atmospheric, and climate sciences, enabling them to build collaborations, and to develop scientific, technical, communications, and organizational skills.

We are pleased to announce a Summer School addressing the broad theme of Arctic Atmospheric Science, offered from July 23 to 27, 2012 in Alliston, Ontario. The Summer School is intended for graduate students and postdoctoral fellows working in the field, with some places available for CREATE undergraduate summer interns. Attendees will have the opportunity to learn from experienced researchers in a small and comfortable setting. In addition to classroom lectures, students will participate in a hands-on photochemical modelling tutorial; 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 aerosol-cloud-climate interactions, Arctic halogen chemistry, polar stratospheric ozone, middle atmosphere dynamics, satellite remote sensing of pollution, global climate, glacier-climate interactions in the Arctic, carbon cycling in glacial environments, space and ground-based atmospheric instrumentation, science support management at South Pole Station, Inuit culture, teaching and education in the Canadian Arctic, and science journalism. **Confirmed speakers and panelists** include Jean-Pierre Blanchet (Univérsité du Québec à Montréal), Florent Bouguin (ABB), Tim Canty (University of Maryland, College Park), James R. Drummond (Dalhousie University), Lynn Harvey (University of Colorado at Boulder), Brian Manning (Nunavut Arctic College), Chris McLinden (Environment Canada), Stella Melo (Canadian Space Agency), Margaret Munro (Postmedia News), Martin Sharp (University of Alberta), and Paul Sullivan (Raytheon Polar Services).

Admission to the Summer School 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 website (www.candac.ca/create). 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 create_summerschool@atmosp.physics.utoronto.ca.

**Location:** Nottawasaga Inn, Alliston, Ontario, Canada. **Dates:** July 23-27, 2012. **Eligibility:** Open to Canadian and international graduate students and post-doctoral fellows, as well as CREATE summer undergraduate interns. **Tuition:** There are no tuition fees, however, attendees must cover the cost of return travel from their home institution. **Application Deadline:** June 1, 2012.

**Contact Information:** CREATE Training Program Director
Professor Kimberly Strong
Department of Physics, University of Toronto
60 St. George Street
Toronto, Ontario, M5S 1A7, Canada
Email: create_summerschool@atmosp.physics.utoronto.ca