NSERC CREATE Training Program in Arctic Atmospheric Science

UNDERGRADUATE OPPORTUNITIES

A presentation by the

CREATE Trainees' Advisory Committee (TAC)

Photo courtesy of Volodya Savastiouk.

University of Toronto

Dalhousie University — Inspiring Minds

York University — redefine THE POSSIBLE.

Université de Sherbrooke

University of Saskatchewan

Western

UNB

Environment Canada

Environnement Canada

Washington State University

SSEC

SEARCH

NSERC CREATE Training Program in Arctic Atmospheric Science

Program began in **April 2010** and will run for six years, **to March 2016**.

Our Program **provides training in Arctic atmospheric science**, including the use of state-of-the-art instrumentation and analysis of large data sets.

CREATE trainees have access to a **world-class facility**, **unique data sets**, and a **large team of researchers** with a **breadth of expertise**.

We take advantage of the unique capabilities of the Polar Environment Atmospheric Research Laboratory (**PEARL**) located at Eureka, Nunavut in the **High Arctic**.

Goal is to **enhance** the **educational opportunities** in polar, atmospheric, and climate sciences, enabling trainees to build collaborations and networks, and to **develop** scientific, technical, communications, and organizational **skills relevant to future employment**.

Polar Environment Atmospheric Research Laboratory (PEARL)

Photo courtesy of Pierre Fogal.

The PEARL facility is home to more than 25 instruments that are being used to measure the atmosphere from the ground to 100 km.

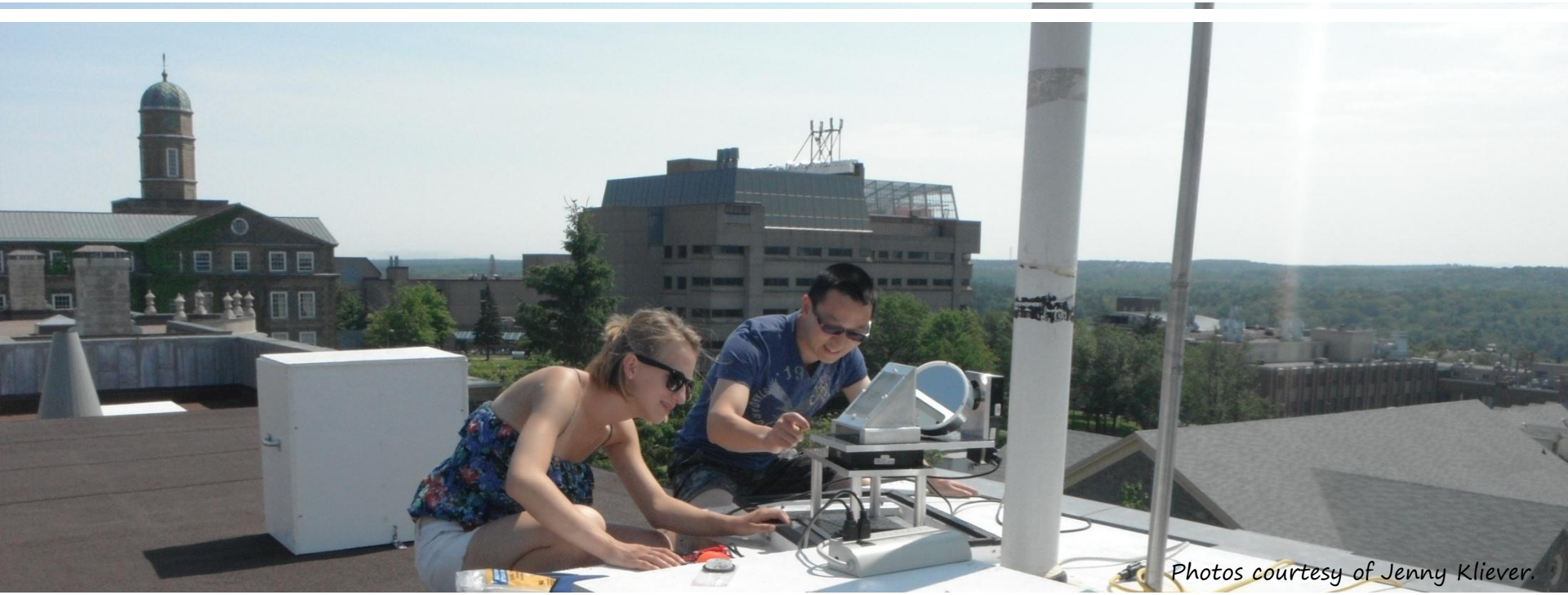
The Canadian Network for the Detection of Atmospheric Change (CANDAC) is a network of university and government researchers dedicated to studying the changing atmosphere over Canada.

Eureka, Nunavut
80°N, 86°W

CANDAC
Canadian Network for the Detection of Atmospheric Change

Polar Environment Atmospheric Research Laboratory
PEARL

UNDERGRADUATE INTERNSHIPS



Photos courtesy of Jenny Kliever.

Up to 8 internships available (~$2000/month May-Aug.).

Interns are hired based on academic merit, experience/skills, and letter of interest.

Potential supervisors are from seven Canadian universities (University of Toronto, Dalhousie University, University of New Brunswick, Université de Sherbrooke, York University, University of Western Ontario, University of Saskatchewan), Environment Canada, Washington State University, University of Wisconsin, and NOAA.

Visit the opportunities section at www.candac.ca/create for details.

Application deadline: February 1

GRADUATE STUDIES

Up to eight positions available each year.

Potential supervisors are from seven Canadian universities:
University of Toronto, Dalhousie University, University of New Brunswick,
Université de Sherbrooke, York University,
University of Western Ontario, and University of Saskatchewan.

Visit the opportunities section at www.candac.ca/create for details.

Application deadline: Varies by university, but earliest begin in Jan. for Sept. start.

SUMMER SCHOOL

Week-long summer school in Arctic atmospheric science.

World-renowned scientists, training workshops, poster sessions, field trips, networking and collaborative opportunities, and much more.

No registration fee; admission to the summer school includes all on site food and accommodation; students cover travel costs.

Visit the opportunities section at www.candac.ca/create for details.

Application deadline: TBD (~end of May).

OUTREACH

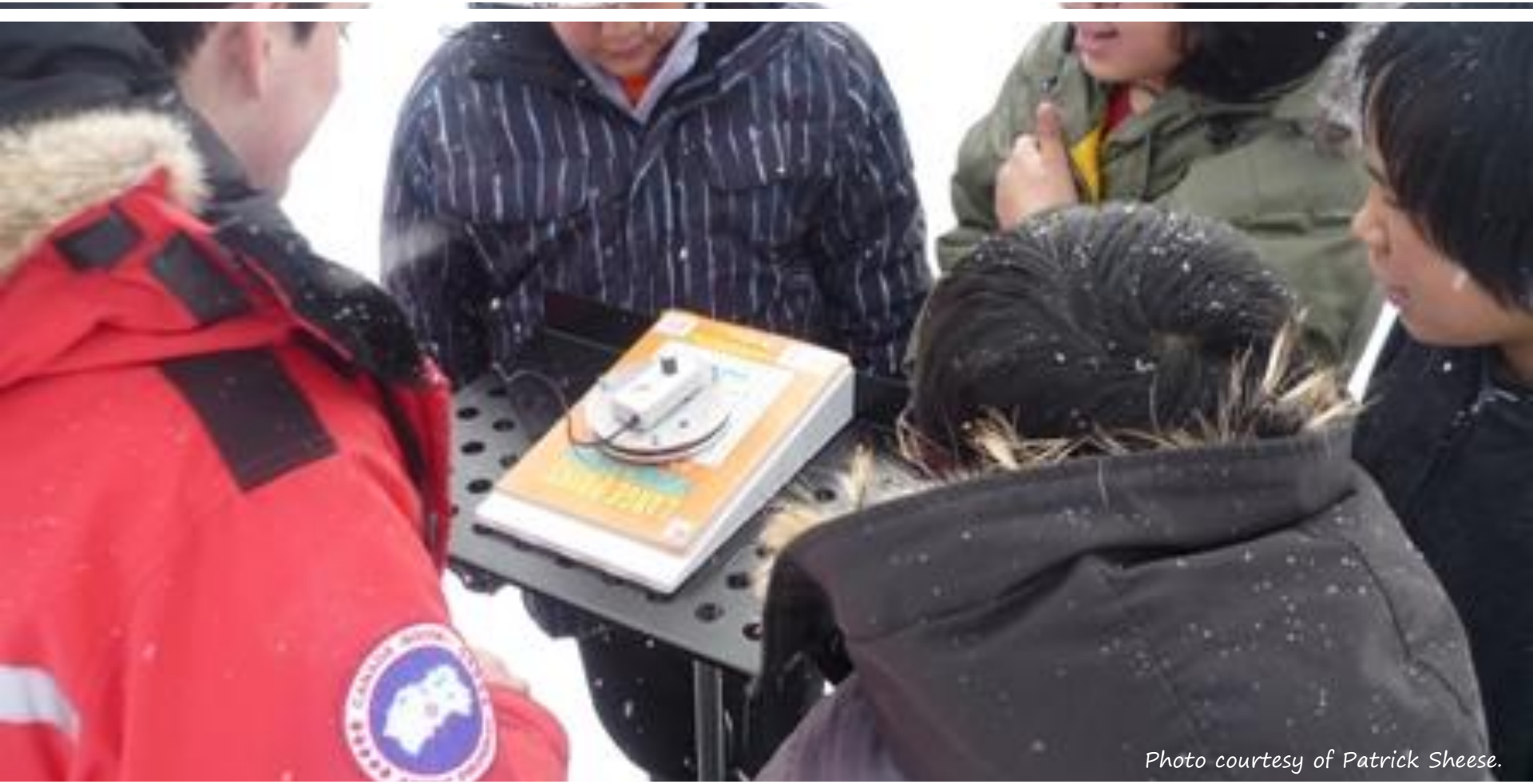


Photo courtesy of Patrick Sheese.

Inform and interact with students, teachers and community members in Northern and Southern Canada.

Provide in-class workshops about our atmosphere and how it is changing.

Email outreach@candac.ca for volunteer opportunities.

ARCTIC ADVENTURES, RESEARCH SYMPOSIA, EXCHANGES, INDUSTRIAL PARTNERSHIPS, CONFERENCES, WORKSHOPS, MENTORSHIPS, ETC.


Photo courtesy of Volodya Savastiouk.

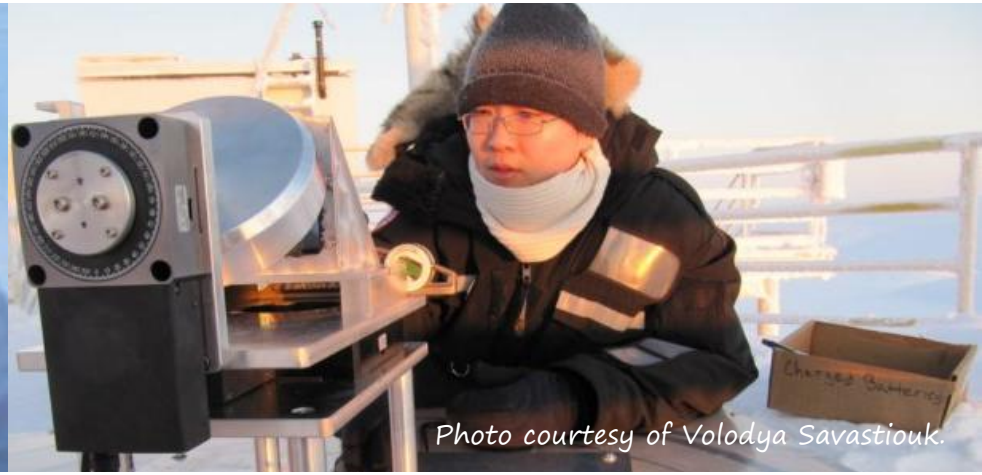


Photo courtesy of Volodya Savastiouk.

Conduct research that really interests you!

Work with Canadian and international experts in the Arctic atmospheric science field!

Contribute to our greater understanding of Earth's dynamic atmosphere!


Photo courtesy of Volodya Savastiouk.


Photo courtesy of Ashley Kilgour

QUESTIONS?!

Photo courtesy of Dan Weaver

Funding provided by:

NSERC CRSNG

Email: create_tac@candac.ca
Website: www.candac.ca/create

On behalf of the TAC,

THANK YOU!

Created by: Ashley Kilgour, former CREATE Training Program Coordinator with input from the TAC