Welcoming Remarks

Nottawasaga Inn, Alliston, Ontario
14-18 July 2014
Session Outline

Kimberly Strong

• Introduction
• Summer School Logistics

Zen Mariani

• Remarks from the CREATE-AAS Trainees Advisory Committee (TAC)
• Overview of the Career Panel

Everyone

• Welcoming Jamboree
Introduction

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

• New initiative to bring together students and scholars engaged in Arctic research, to provide an understanding of the Arctic climate and to establish a forum for discussion of current challenges and research opportunities

• 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)

• Affiliated with three new networks funded by NSERC’s Climate Change and Atmospheric Research program: PAHA, NETCARE, and CanSISE, and with groups at UofT engaged in lab studies of chemistry at the air-ice/snow interface and paleo-reconstructions of Arctic environments
NSERC’s Collaborative Research and Training Experience (CREATE) Program supports the training of students & PDFs.

Our NSERC CREATE Training Program in Arctic Atmospheric Science provides training in polar, atmospheric, and climate sciences, including the use of state-of-the-art instrumentation and analysis of large data sets.

- Takes advantage of the unique capabilities of the Polar Environment Atmospheric Research Laboratory (PEARL).
- Began in April 2010 and will run for six years, to March 2016.
PAHA

Probing the Atmosphere of the High Arctic

- NSERC CCAR program that is using measurements from the PEARL at Eureka, Nunavut and other sites around the Arctic to probe the atmosphere of the Canadian High Arctic and analyze the causes of observed changes
- Led by Jim Drummond (Dalhousie) and involves seven universities, Environment Canada, and international partners, including the NOAA Earth System Research Lab
- Three research themes: Composition Measurements, Polar Night, and Satellite Validation
- PEARL was established in 2005 by the Canadian Network for the Detection of Atmospheric Change (CANDAC)
NETCARE

Network on Climate and Aerosols: Addressing Key Uncertainties in Remote Canadian Environments

- NSERC CCAR program using observations and modelling to address aerosol-climate connections in the Arctic
- Led by Jon Abbatt (UofT) and involves ten universities, EC, DFO, and three international partners
- Four research activities:
  - Activity 1: Carbonaceous Aerosol
  - Activity 2: Ice Cloud Formation and Impacts
  - Activity 3: Ocean-Atmosphere Interactions
  - Activity 4: Implications of Measurements on Simulations of Atmospheric Processes and Climate
- Busy field season: ten NETCARE scientists are on board the Canadian Coast Guard Service Amundsen and an aircraft campaign is underway based out of Resolute Bay, Nunavut
The Canadian Sea Ice and Snow Evolution Network

• NSERC CCAR program that seeks to advance our ability to predict Arctic sea ice and snow in Canada’s sub-Arctic, alpine, and seasonally snow-covered regions

• Led by Paul Kushner (UofT) and involves eight Canadian universities, EC, the Canadian Ice Service, and the Pacific Climate Impacts Consortium

• It aims to exploit advances in climate observations and climate modelling that allow us to forecast these quantities over seasons, years, and even decades

• Three research areas:
  ➢ (A) Prediction
  ➢ (B) Climate change detection and attribution
  ➢ (C) Process studies related to snow and sea ice and their roles in climate
Summer School Logistics

Daily
• 7-9 AM Buffet breakfast in the Riverview Dining Room
• 9 AM Lectures start **promptly** in ballroom 16
• 12:30-1:30 Buffet lunch
• 7 PM Table service supper (please arrive at 7:00)

Special Events
• 8:30 PM, Mon, Tues, Thurs Evening recreational events
• 11-12:30, Tuesday Poster session (room 19)
• 5-6:30 PM, Wednesday Career panel (ballroom 16)
• 8:30-9:30 PM, Wednesday Inuit traditional music “lecture”
• 11:45-12:30, 5-6:30 Thurs Two workshops (ballroom 16)
• 2:15-3:00, Friday Closing session and survey

Departure
• 11 AM, Friday Check-out time (and take down posters)
• 3:30 PM, Friday Bus leaves for Toronto
Poster Session

- Posters will be displayed in room 19 from Monday through Friday (coffee breaks will also be held in this room)
- Poster boards should be set up now - please mount your poster today and take it down on Friday morning
- The formal poster session is at 11:00-12:30, Tuesday
- Please stay near your poster for your assigned session, as judges will be visiting during this time:
  - Session A → 11:00-11:45
  - Session B → 11:45-12:30
- Awards will be given to the best posters! (at 6:30 Thursday)
- Judges for PhD and PDF posters:
  - Mark Flanner, Christian Haas, Jochen Halfar, Lisa Miller
- Judges for MSc posters:
  - Session A: Jo Browse & Reinel Sospedra-Alfonso
  - Session B: C.C. Bajish & Gerrit Holl

See pages 23-24 of your program book for your session and location
Poster Layout

- Session A → 11:00-11:45
- Session B → 11:45-12:30

You will also be able to review posters Monday to Thursday afternoon from 8:30 AM – 7:00 PM.
Recreational Activities

• 8:30 PM, Monday
  ➢ Welcoming “Icebreaker” organized by the CREATE-AAS TAC
  ➢ Begins at 8:30 PM at the lower patio, with the Starlight Lounge as alternate location in case of rain (map on page 22)

• 8:30 PM, Tuesday
  ➢ Outdoor sports (soccer, volleyball, ultimate frisbee) at field 10 (map on page 21)

• 8:30 PM, Thursday
  ➢ Indoor minigolf in the Sports and Leisure Dome 2 (map on page 21)

• 1:30-3:00 PM & after 9:30 PM Weds. evening are free time
  ➢ See pages 20-22 of your program book for a full list of on-site facilities and maps

Complimentary with Accommodations
- 25 metre indoor swimming pool
- 100ft waterslide
- Squash & racquetball courts
- Fully-equipped fitness centre
- Sauna & Whirlpool
(Available during scheduled times. Age and ability restrictions may apply)

Seasonal
- Outdoor swimming pool
- Bocce
- Volleyball
- Horseshoes
- Nature/jogging trail
# Today’s Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Speaker/Organizer</th>
<th>Topic</th>
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<tbody>
<tr>
<td>10:00 – ~11:30</td>
<td>Chartered bus departs Holiday Inn (280 Bloor Street West, Toronto, ON) for the Nottawasaga Inn. Please be there and ready to leave promptly at 9:45 AM.</td>
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<tr>
<td>11:30 – 12:00</td>
<td>Arrival and check-in at Nottawasaga Inn (6015 Ontario 89, Alliston, ON)</td>
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<tr>
<td>12:00 – 1:30</td>
<td>Lunch (Riverview Dining Room)</td>
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<tr>
<td>1:30 – 1:45</td>
<td>Welcoming remarks</td>
<td>Introduction</td>
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<td>1:45-1:55</td>
<td>Zen Mariani and Network Trainee Committee members</td>
<td>Remarks from representatives of Network Trainee Committees</td>
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<td>1:55-2:00</td>
<td>Zen Mariani</td>
<td>Overview of the Career Panel</td>
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<tr>
<td>2:00 – 3:45</td>
<td>Jamboree</td>
<td>Speaker and student research jamboree (two minutes and one slide per attendee)</td>
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<td>3:45 – 4:15</td>
<td>Coffee break</td>
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<td>4:15 – 5:00</td>
<td>Lecture A</td>
<td>The sea ice climate system</td>
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<td>5:00 – 5:45</td>
<td>Lecture B</td>
<td>Arctic oceanography</td>
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<td>5:45 – 6:30</td>
<td>Lecture C</td>
<td>Inuit social history</td>
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<td>6:30 – 6:35</td>
<td>Icebreaker introduction</td>
<td>Zen Mariani and the CREATE-AAS TAC</td>
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<td>6:35 – 7:00</td>
<td>Free time</td>
<td>(except for poster judges – please meet in ballroom 16)</td>
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<tr>
<td>7:00</td>
<td>Dinner (Riverview Dining Room)</td>
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<tr>
<td>8:30</td>
<td>Welcoming Icebreaker</td>
<td>CREATE-AAS Trainees’ Advisory Committee (TAC)</td>
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The program, lecture slides, posters, and photos will be posted at http://www.candac.ca/create/ss2014/summerschool2014.html
NSERC CREATE Trainees’ Advisory Committee (TAC)

Who we are
What we do

2014 Summer School

Photo: Zen Mariani
Trainees' Advisory Committee for the CREATE program in Arctic Atmospheric Science

- Represents the interests of students, both undergraduate and graduate, and post-doctoral fellows. Advises the Training Program Committee on trainee affairs from the trainees' perspective.

- Promotes interactions between the young researchers & CANDAC
  - Social and research events
  - Networking Opportunities
    - mailing list, social networking, etc
  - All trainees can contribute their thoughts and ideas

Zen Mariani, Chair
(PhD, University of Toronto)

Dan Weaver, Social Media Coordinator
(PhD, University of Toronto)

Shannon Hicks
(PhD, University of Western Ontario)

Debora Griffin
(PhD, University of Toronto)

Joseph Mendonca
(PhD, University of Toronto)

Chris Perro
(PhD, Dalhousie University)

Liviu Ivancu
Quebec Engagement
(PhD, Université de Sherbrooke/Université du Québec à Montréal)
Trainees' Advisory Committee for the CREATE program in Arctic Atmospheric Science

- Goal is to provide feedback to the organizing committee
- Aiming for membership continuity from year to year
- Members are at a variety of academic stages
- We want to ensure every institution has representation on TAC
- Interested in joining/hearing more? Come to our meeting Thursday during Lunch!
Communication

• Mailing List: create_trainees@candac.ca

• Social media
New Blog!

createarcticscience.wordpress.com

APRIL 29, 2013
March 2013 Igloolik outreach trip

In mid March, I had the amazing opportunity to travel north to Igloolik, Nunavut with two other members of CANDAC — Ashley and Niall. We went there to launch the student-researchers collaborative research project with students in grades 1-7 at Ataguttaaluk Elementary School (AES). They were very eager to learn about science and had so many questions! It was a fantastic experience.
The moral of this story:
• Please let any of us know if you have any suggestions/feedback for the program
• Come to us with any questions
Career Panel

Wednesday

90 minutes

Zen moderates the session

Submit written questions using question box!!

Ask questions & discuss during session
<table>
<thead>
<tr>
<th>2014 Career Panel</th>
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| **Chris Fletcher**  
University of Waterloo |  |
| **Cameron McNaughton**  
Golder Associates |  |
| **Marianne Douglas**  
Canadian Circumpolar Institute |  |
| **David Tarasik**  
Environment Canada |  |
| **Richard Berman**  
Spectral Applied Research |  |