

**Canadian Network for the Detection of Atmospheric Change (CANDAC) Workshop /  
CREATE-Arctic Atmospheric Science Research Symposium  
2012 Program**

**Thursday November 8<sup>th</sup>**

**Friday November 9<sup>th</sup>**

8:40 – 9:40	<p align="center">Welcome / CANDAC Report</p> <p align="center">James Drummond</p>	8:40 – 9:00	<p align="center">The Canadian Arctic Atmospheric Chemistry Experiment Validation Project</p> <p align="center">Kaley Walker</p>
		9:00 – 9:20	<p align="center">Lidar measurements of stratospheric aerosol layers during Polar Sunrise in the High Canadian Arctic</p> <p align="center">Bob Sica</p>
		9:20 – 9:40	<p align="center">CRL lidar depolarization measurements of cloud layers during the 2012 Canadian Arctic ACE Validation Campaign</p> <p align="center">Emily McCullough (CREATE)</p>
9:40 – 10:10	<p align="center">PEARL Report</p> <p align="center">Pierre Fogal</p>	9:40 – 10:00	<p align="center">Assessing the losses of HCFC-22 using ACE-FTS measurements</p> <p align="center">Felicia Kolonjari (CREATE)</p>
	<b>BREAK (10:10 – 10:40)</b>		<b>BREAK (10:00 – 10:30)</b>
10:40 – 11:00	<p align="center">Advancing IASOA Data Sharing – An Implementation Plan for Interoperable Metadata</p> <p align="center">Sandy Starkweather</p>	10:30 – 10:50	<p align="center">Remote Sensing of Atmospheric CO<sub>2</sub> at Eureka</p> <p align="center">Joseph Mendonca (CREATE)</p>
11:00 – 11:20	<p align="center">CANDAC Data Management</p> <p align="center">Yan Tsehtik</p>	10:50 – 11:10	<p align="center">A preliminary bromine explosion case study at PEARL</p> <p align="center">Xiaoyi Zhao (CREATE)</p>
11:20 – 11:40	<p align="center">Outreach and Education projects undertaken by the Canadian Network for the Detection of Atmospheric Change (CANDAC)</p> <p align="center">Ashley Kilgour</p>	11:10 – 11:30	<p align="center">Measuring radiation and trace gases at Eureka year-round using the Extended-range AERI</p> <p align="center">Zen Mariani (CREATE)</p>
11:40 – 12:00	<p align="center">An Overview of our CREATE Training Program in Arctic Atmospheric Science</p> <p align="center">Kim Strong</p>	11:30 – 11:50	<p align="center">The Arctic winter polar vortex: Where is the top and is there a bottom?</p> <p align="center">Alan Manson</p>
	<b>LUNCH (12:00 – 13:00)</b>	11:50 – 12:10	<p align="center">The Evolution of Stratospheric Composition in the Canadian High Arctic</p> <p align="center">Kim Strong</p>
13:00 – 13:20	<p align="center">Coordination of the PASI and ERWIN II observations: Current work and future possibilities</p> <p align="center">William Ward</p>		<b>LUNCH (12:10 – 13:10)</b>
13:20 – 13:40	<p align="center">Small scale gravity wave analysis with an all sky imager</p> <p align="center">Chris Vail (CREATE)</p>	13:10 – 13:30	<p align="center">Measurements of ozone over the Arctic sea ice from the 2011 PAM-ARCMIP airborne campaign</p> <p align="center">Jeff Seabrook (CREATE)</p>
13:40 – 14:00	<p align="center">Wind and atmospheric wave observations with the E-Region Wind Interferometer</p> <p align="center">Sam Kristoffersen (CREATE)</p>	13:30 – 13:50	<p align="center">Multi-sensor calibration and validation of the NASA-ALVICE and UWOPCL NDACC water vapour lidars</p> <p align="center">Robin Wing (CREATE)</p>
14:00 – 14:20	<p align="center">Comparison of gravity wave signatures in the E-Region Wind Interferometer (ERWIN) and PEARL All-Sky Imager (PASI)</p> <p align="center">Christian Akpanya (CREATE)</p>	13:50 – 14:10	<p align="center">Intercomparison of atmospheric water vapour measurements at Eureka</p> <p align="center">Dan Weaver (CREATE)</p>
14:20 – 14:40	<p align="center">Stratospheric Warming Influence on the Thermosphere as seen by the Extended CMAM</p> <p align="center">Marianna Shepherd</p>	14:10 – 14:30	<p align="center">A preliminary bromine explosion case study at PEARL</p> <p align="center">Xiaoyi Zhao (CREATE)</p>
	<b>BREAK (14:40 – 15:00)</b>	14:30 – 14:50	<p align="center">Pan-Arctic water vapour measurements using the Microwave Humidity Sounder</p> <p align="center">Chris Perro (CREATE)</p>
15:00 – 15:20	<p align="center">Precipitation studies in the High Arctic</p> <p align="center">David Hudak</p>		<b>BREAK (14:50 – 15:20)</b>
15:20 – 15:40	<p align="center">Observation system simulation experiments for SPÉIR: A mm-wave receiver for atmospheric research</p> <p align="center">Niall Ryan (CREATE)</p>	15:20 – 15:40	<p align="center">The Eureka star-photometry challenges</p> <p align="center">Liviu Ivanescu (CREATE)</p>
15:40 – 16:00	<p align="center">Outreach Kit Tutorial</p> <p align="center">Ashley Kilgour</p>	15:40 – 16:00	<p align="center">Arctic winter-aerosol characterization using starphotometry-lidar synergy</p> <p align="center">Konstantin Baibakov (CREATE)</p>
16:00 – 17:00	<p align="center">Off-line meetings</p> <p align="center">Room will be open for any groups wishing to hold informal discussions</p>	16:00 – 16:20	<p align="center">Aerosol optical properties over Eureka: 2007-2012</p> <p align="center">Auromeet Saha</p>
		16:20 – 16:40	<p align="center">Measurements of trace gas emissions from biomass burning events at PEARL, Eureka, Nunavut, Canada, from 2007 to 2011</p> <p align="center">Camille Viatte</p>
19:30-??:??	<p align="center">CREATE Social Networking Event</p> <p align="center">Madison Avenue Pub, pool table level</p> <p align="center">Madison Ave &amp; Bloor St.</p> <p align="center">website: <a href="http://www.madisonavenuepub.com">www.madisonavenuepub.com</a></p>	16:40 – 16:50	<p align="center">Awards for CREATE Best Student Presentation</p>