

## Lake Workshop: Improving Weather Forecasting Models with Satellite Data assimilation

April 11, 2017

DC 1302, University of Waterloo

### *Program*

Time	Speaker	Title
9:15- 9:30	Kheyrollah Pour / Duguay	Welcome and Introduction
9:30- 10:00	Stephane Belair (Environment and Climate Change Canada)	Lakes in GEM and in the Canadian Land Data Assimilation System
10:00-10:30	Alain Caya (Environment and Climate Change Canada)	Lake Ice Concentration Analysis in the ECCO Regional Ice Ocean Prediction System
<i>10:30-10:45</i>		<i>Coffee Break</i>
10:45-11:00	Philippe Van Cappellen (University of Waterloo)	Global Water Future
11:00-11:30	Laura Rontu (Finnish Meteorological Institute)	Twenty Years of HIRLAM Lake Experience
11:30-12:00	Jia Wang (NOAA)	Seasonal Forecast of Great Lakes Ice Cover Using both Statistical and Numerical Models
<i>12:00-13:00</i>		<i>Lunch</i>
13:00-13:30	Claude Duguay (University of Waterloo)	Advances in Remote Sensing of Lake Ice
13:30-14:00	Andrea Scott (University of Waterloo)	Assimilation of SAR Data to Improve Ice Estimates
14:00-14:30	James Kessler (NOAA)	Validation of Inter-annual Variability of Great Lakes Ice Cover, 1993-2008
14:30-15:00	Ayumi Manome (University of Michigan)	Turbulent Heat Fluxes during an Extreme Lake Effect Snow Event