

NSERC CREATE IACPES Symposium Day

Monday, June 9, 2014

Room 105 Life Science Building

York University ([Map](#))

Coffee and Muffins/Bagels will be available in 107 Life Science Building before the session begins. More coffee is available during the breaks.

Speakers

- 8:30 Robert McLaren, Introduction
- 8:35 **T1** Sabour Baray, Department of Chemistry, York University; Quantifying methane sources in oil sands and urban environments
- 8:55 **T2** Angela Hong, University of Toronto; Ozone pollution in Uintah Basin, Investigating the role of air-snow chemical interactions of reactive nitrogen oxides
- 9:15 **T3** Soudeh Afsharian, York University; Modelling the impacts of wind farms in the Great Lakes
- 9:35 **T4** Landon Rieger, University of Saskatchewan; OSIRIS stratospheric aerosol retrieval
- 9:55 **T5** Youssef M.Taha, University of Calgary; Measurement of total alkyl nitrates using thermal dissociation cavity ring-down spectroscopy
- 10:15 Break**
- 10:35 **T6** Brenden Elash, University of Saskatchewan; Limb imaging aerosol distributions from stratospheric balloon
- 10:55 **T7** Travis Tokarek, University of Calgary; Quantification of monoterpenes and BTEX-type compounds by gas chromatography - ion trap mass spectrometry at a ground site near Fort McKay, AB
- 11:15 **T8** Daniel Zawada, University of Saskatchewan; High resolution radiative transfer modelling for use in Tomographic retrievals
- 11:35 **T9** Yasamin Hassani, York University; Method development for concentration measurements of SVOCs in the atmosphere with a focus on emission from oil sands mining

- 11:55 **T10** Seth Dueck, University of Saskatchewan; Statistical modelling of polarized radiative transfer in a fully spherical geometry
- 12:15 **Lunch**
- 13:00 **T11** Amanda Jameer, Department of Chemistry, York University; Evaluating the utility of an atmospheric pressure chemical ionization mass spectrometer for detecting organic hydroperoxides during beta-pinene ozonolysis smog chamber experiments
- 13:20 **T12** George Nikolakakos, Department of Physics and Astronomy, York University; Raman spectroscopy applied to Mars water cycle studies
- 13:40 **T13** Shao-Meng Li, Environment Canada; An overview of the airborne study of oil sands air pollutants under the joint Canada-Alberta implementation plan on oil sands monitoring
- T14** Shao-Meng Li, Environment Canada; An algorithm of calculating facility emissions from the aircraft flights conducted during the 2013 JOSM Summer Intensive Field Campaign
- 14:15 **T15** Jeffrey Geddes, Department of Physics and Atmospheric Science, Dalhousie University; Deriving long-term spatially averaged surface NO₂ concentrations across multiple satellite instruments
- 14:35 **T16** J.E. Moores, York University, The siding spring cometary encounter with Mars: A natural experiment for the Martian atmosphere
- 14:55 **Break**
- 15:10 **T17** Peter Taylor, York University; Estimation of Obukhov length from wind speed and delta-T measurements
- 15:30 **T18** Ran Zhao, Department of Chemistry, University of Toronto; A mechanistic and kinetic investigation of levoglucosan photooxidation in the aqueous phase – the power of high resolution chemical ionization mass spectrometry
- 15:50 **T19** Anna Kornilova, Department of Chemistry, York University; Stable carbon isotope composition of ambient VOC
- 16:10 **T20** Marina Saccon, Department of Chemistry, York University; Compound specific ambient yields of SOA

16:30 **Poster Session, Beer/Wine/Hors d'oeuvres**
(refreshments provided by CAC)

Funding for this "Symposium Day" is provided by NSERC.