

NETCARE Workshop 2016

Day 1 - Monday November 14th



All talks are 12 minutes long, with 3 minutes for questions

Posters will be up both days

08:00 – 09:00	Breakfast	Posters will be setup during this time
09:00 – 09:15	Jon Abbatt	Welcome to the NETCARE 2015 Workshop
09:15 – 09:45	Kerri Pratt (Invited)	Sources and chemical composition of individual atmospheric particles across the Alaskan Arctic
09:45 – 10:15	Poster Introductions	1 minute / 1 slide presentations
10:15 – 11:30	Coffee and Posters	Poster Session 1: the first half of the posters presenters will stand by their posters
11:30 – 12:30	Sarah Hanna	NETCARE Data – What will happen to it? - Archival and public access
	Hakase Hayashida	Implications of sea-ice biogeochemistry for oceanic production and emissions of dimethylsulfide in the Arctic
	Amir Aliabadi	Ship emissions measurement in the Arctic from plume intercepts of the Canadian Coast Guard icebreaker Amundsen from the Polar 6 aircraft platform
	Heiko Bozem	Characterization of transport regimes and the polar dome during NETCARE 2014 and 2015
12:30 – 01:45	Lunch	Hart House
01:45 – 02:30	Martine Lizotte	High-resolution survey of oceanic dimethylsulfide (DMS) in contrasted marine environments of the Canadian Arctic during the 2016 oceanographic NETCARE campaign
	Matt Boyer	The hygroscopicity parameter of marine organics in sea spray aerosols
	Knut von Salzen	A single column model for boundary layer cloud and aerosol processes
02:30 – 04:00	Coffee and Posters	Poster Session 2: the second half of the poster presenters will stand by their posters
04:00 – 04:45	Jon Abbatt	Observations of ultrafine particles and their growth during the 2014 NETCARE summer campaigns
	Wanmin Gong	Modelling regional air quality in the Canadian Arctic: Simulation of an Arctic summer field campaign
	Junwei Xu	Source attribution of Arctic black carbon constrained by surface and aircraft measurements
06:30	Dinner	Hot House Restaurant, Church and Wellington Directions - goo.gl/maps/Yov4guAAdBu Website - www.hothouserestaurant.com

NETCARE Workshop 2016

Day 2 - Tuesday November 15th



All talks are 12 minutes long, with 3 minutes for questions

Posters will be up both days

- 08:00 – 09:00 Breakfast
- 09:00 – 10:00 Emma Mungall A novel source of oxygenated volatile organic compounds in the summer time marine Arctic boundary layer
- Jean-Pierre Blanchet Using far-infrared radiometry to study the water cycle in the Arctic
- Roya Ghahremaninez -hadgharelar Vertical profile of atmospheric DMS in the Arctic Spring and Summer
- Norm O’Neill Polar summer comparisons of GEOS-Chem with a 4-year analysis of fine and coarse mode aerosol optical depth retrievals over the Canadian Arctic
- 10:00 – 10:30 Status of our Research Themes
(roughly 15-20 minute talks, 10-15 minutes discussion – as well we encourage short, informal updates from all NETCARE personnel of analyses that are ongoing or planned)
- A. Carbonaceous aerosol, including black carbon
Lead: Richard Leitch
- 10:30 – 11:00 Coffee Break
- 11:00 – 12:30 Status of our Research Themes (continued)
- B. Ice formation and clouds
Lead: Allan Bertram
- C. Ocean-atmosphere interactions
Leads: Maurice Levasseur, Jon Abbatt
- D. Simulations of aerosol processes and climate
Leads: Randall Martin, Knut von Salzen
- 12:30 – 12:45 Wrap-up and/or feedback from NSERC/Steering Committee
- 12:45 – 02:00 Lunch - Joint meeting of Executive Committee, Steering Committee, NSERC Rep
- 02:00 – 06:00 Amundsen Data Meeting (all invited)
- 07:00 Dinner (TBA)

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Poster Sessions



We have scheduled two dedicated poster sessions over the two-day workshop. On day one, prior to the first poster session, there will first be a 30-minute period for single-slide, one-minute poster introductions.

Session 1

Setigui Aboubacar Keita	Study of the aerosol-cloud-radiation interactions in the Polar Night using WRF-CHEM coupled to an advanced microphysics scheme
Ana Cirisan	Development of an ice nuclei parameterization derived from the Amundsen 2014 summertime campaign
Betty Croft	Processes controlling summertime Arctic organic and sulfate aerosols, contributions to size distributions, and climate impacts in GEOS-Chem-TOMAS
Hakase Hayashida	Pan-Arctic estimates of oceanic DMS production and emissions using a 3-D sea ice-ocean physical-biogeochemical model: Preliminary results and future plans
Chris Fletcher	A perturbed parameter ensemble to probe uncertainty in aerosol radiative forcing
Richard Leaitch	Evidence for Greenland as one pathway for new particle formation in the Arctic
Liviu Ivanescu	Sun-photometer airborne observations during PAMARCMIP 2015
Katrina Macdonald	The chemical composition of high arctic snow: Deposition mechanisms and sources
Alex Moravek	Measurements of ammonia in the summertime arctic marine boundary Layer
Megan Willis	Evidence for biogenic influence on summertime Arctic aerosol

Session 2

Yasmin Ahmed Samy	Preliminary model evaluation of second order aerosol parameter's using ground based measurements over the Arctic
Amir Aliabadi	Characterization and Parametrization of Reynolds Stress and Turbulent Heat Flux in the Stably-Stratified Lower Arctic Troposphere Using Aircraft Measurements
Joannie Charette	Phytoplankton biomass and production during the 2016 NETCARE / ArcticNet joint expedition
Doug Collins	Frequent new particle formation observed in the Canadian Arctic during summer 2016
Roya Ghahremaninezhadgharelar	Soluble ice nucleation particles, aerosol size fractions and source of sulfate – particles in precipitation/fog in the Arctic summer
Vickie Irish	Ice nucleation measurements of particles from the Arctic microlayer
Luis Ladino-Moreno	Addressing the ice nucleating abilities of marine aerosol: A combination of deposition mode laboratory and field measurements
Ludovick Pelletier	Arctic ground based Far-Infrared measurement at Eureka, under extremely cold and dry condition
Keyvan Ranjbar	Polar winter sea-salt events over and near Ny Alesund region, Spitsbergen
Greg Wentworth	Ammonia deposition and bi-directional exchange at Alert, NU