

Session Presentation Schedule*

Friday, October 2, 2009

Traditional Knowledge

1:00 pm – Gym

Cassie Bott

Inuit Circumpolar Council, Canada

Polar Science and Inuit Traditional Knowledge: Two Ways of Knowing

Sonja Ostertag

University of Northern British Columbia and Nasivik Centre for Inuit Health and Changing Environments, Canada

Mentoring and Training Opportunities in Northern Research

Alexander Oehler

University of Northern British Columbia, Canada

Mobility as Adaptive Measure to Multiple Stress Factors Among Inuit

Kaitlin Breton-Honeyman

Trent University, Canada

Investigation of Beluga Habitat Ecology Through Traditional Ecological Knowledge (TEK) in Northern Quebec

Jennie Knopp

Trent University, Canada

Linking Scientific and Traditional Knowledge to Determine Effective Indicators of Change in Arctic Charr (*Salvelinus alpinus*) for use in Community-based Monitoring Plans

Arctic Ecosystem

1:00 pm – Room 1440

Grant Humphries

University of Alaska Fairbanks, USA

Modelling Arctic DMS: How Machine Learning Algorithms and GIS Can be Used to Predict Accurately the Condition of the Arctic Ecosystem

Julie Veillette

Université Laval, Canada

High Arctic Lakes in Transition: Ice Cover, Phytoplankton and Contaminants

Marta Ronowicz

Polish Academy of Science, Poland

Patterns of Hydroids Distribution and Biodiversity in the Dynamic and Changing Arctic Fjord Ecosystem - Hornsund, Spitsbergen

Lauren MacDonald

University of Waterloo, Canada

Development and Application of Benthic Algal Sampling Protocols for Assessing Environmental Change in the Old Crow Flats

Tommy Harding

Université Laval, Canada

Microbial Diversity in High Arctic Snow and Implications for the Cold Biosphere

Wildlife

1:00 pm – Room T 1023

Jennifer Provencher

University of Victoria, Canada

Changes in Adult Thick-billed Murre Diet in the Eastern Canadian Arctic Since the 1970s in Light of Changing Environmental Conditions

Emily Weiser

University of Alaska Fairbanks, USA

Effects of a Change in Garbage Management on Glaucous Gull Diet in Barrow, Alaska

Jean-Francois Therrien

Université Laval & Centre d'études Nordiques, Canada

Reproductive Success and Long-distance Movements of Snowy Owls: Is this Top Arctic Predator Vulnerable to Climate Change?

Alexandra Taylor

Stockholm University, Sweden

Habitat Preference of the Grey-sided Vole in Northern Sweden

Lawrence Duffy (for Kryia Dunlap)

University of Alaska Fairbanks, USA

Sled Dogs, Mercury and Anti-oxidants along the Yukon River

Aboriginal Culture

3:30 pm – Gym

Tristan Pearce

University of Guelph, Canada

Generation and Transmission of Environmental Knowledge and Land Skills Among Inuit in Ulukhaktok, Northwest Territories, Canada

Tiarella Hanna

University of Alberta, Canada

Assessing Socio-economic Trade-Offs: A Study on Sahtu Harvesting Patterns of the Northwest Territories Barren Ground Caribou Herds

Louise Drapeau & Monique Marinier

University of Ottawa, Canada

The Impact of Residential Schools on Traditional Dene Children Songs

Miriam Harder

McGill University, Canada

Monetary and Traditional Resources in an Inuit Ilagitt, Clyde River, Nunavut

Arctic Ecosystem
3:30 pm – Room 1440

Allison Ritcey

University of New Brunswick, Canada
Stream Ecosystem Structure and Function in the Torngat Mountains National Park, Labrador

Kathryn Thomas

University of Waterloo, Canada
The Good, the Bad, the Slimy: Analysis of the Application of Algae for Biomonitoring Protocols for the Nahanni River Watershed and Other Northern Rivers

Rava Kirievskaya

St. Petersburg State University, Russia
Assessment of Luga Bay Ecosystem

Wildlife

3:30 pm – Room T 1023

Shirley Roburn

Concordia University, Canada
A Sea Change in Arctic Ocean Governance: Incorporating Acoustic Territories

Heather Milligan

Canada
Tracking Wildlife Research and Community Partnership in James Bay

Kim Jochum

University of Veterinary Medicine Hannover, Germany
Individual Recognition in Polar Bears – Lessons from Data-Mining for Animals with a Socially Complex Community Structure

Vicki Sahanatien

University of Alberta, Canada
Polar Bear Sea Ice Habitat Selection in the Seasonal Sea Ice Ecoregions of Foxe Basin and Hudson Bay, Canada

Saturday, October 3, 2009

Polar Programs and Expeditions

9:30 am – Gym

Suzanne de la Barre

University of Alberta, Canada
When the Field is Home: My Yukon Research Journey

Julie Veillette (for Josee Michaud)

ArcticNet, Université Laval, Canada
Polar Data Catalogue: A New Tool for Northern Research, Collaboration and Outreach

Pierre-Andre Forest & Lawrence Duffy

University of Lapland, Finland/UAF, USA
Networking Through Change: The UArctic approach

Glaciology
9:30 am – Room 1440

Jessica Vaughan

University of Alberta, Canada
The Glacial and Sea Level History of South Banks Island, NWT, Canada

Thomas Lakeman

University of Alberta, Canada
Revised Late Wisconsinan Ice Margins for Central Banks Island, NWT: New Constraints on the Northeast Extremity of Beringia

Elisabeth Hall

University of Alberta, Canada
Late Irvingtonian – Early Rancholabrean Microtines in the Lower Old Crow Basin, Yukon Territory

Arctic Ecosystem

9:30 am – Room T 1023

Sarah Verma

York University, Canada
Temperature and Moisture Impacts on the Carbon Budget of a Polygonized Peat Plateau in the Hudson Bay Lowlands

Leanne Dunne

University of Winnipeg, Canada
Water Quality of Selected Wetland Habitat Near Churchill, Manitoba

Northern Economic Development

11:00 am – Gym

Embla Eir Oddsdottir

University of Akureyri, Iceland
Analyzing Risk Factors: Increasing Economic activity in the North and Coastal Communities in Iceland

Kim Hardy

Cape Breton University, Canada
Cooperation in the North: Understanding Cooperatives in the Yukon

Jennifer Alsop

Carleton University, Canada
The Role of Cooperative Enterprise in the Social Economy of Repulse Bay

Adaptation to Climate Change

11:00 am – Room 1440

Tania Giberyen

Centre d'Etudes Nordiques, Université Laval, Canada
Community Planning in Nunavik

Jennifer Fresque

Wilfrid Laurier University, Canada
The Role of Place-identity in Climate Change Adaptation in Canada's North

Jenn Robus

Trent University, Canada
The Impact of Climate Change on the Use and Dependence of Waterfowl by First Nations in the Hudson Bay Lowland

Vegetation Changes 1: Plant Growth

11:00 am – Room T 1023

Nicole Wunderlich

University of Saskatchewan, Canada
Long-term Effects of Industrial Disturbance and Seeding Treatments on Vegetation Recovery in the MacKenzie Delta region, Northwest Territories, Canada

Sara Kuleza

Churchill Northern Studies Centre, Canada
ITEX in Churchill, Manitoba: The Effects of Experimental Warming on *Dryas integrifolia* (Arctic Aven) and Dry Upland Tundra Soils

Sara Pieper

University of Saskatchewan, Canada
Alpine Plant Responses to Experimental Warming Treatments and Natural Temperature Variation: A Long-term Study from Southern Yukon, Canada

Northern Economic Development

1:00 pm – Gym

Andrew Hodgkins

University of Alberta, Canada
Reappraising Canada's Internal Colonies

Paul Koke

University of Northern British Columbia, Canada
The Impact of Mining Development on Subsistence Practices of Indigenous Peoples - Lessons Learned from Northern Quebec and Alaska

Michelle Borowitz

University of Alberta, Canada
Northern River Development: Hydroelectric Dam Projects on the Peace and Slave Rivers and Dam Resistance Movements

Gerlis Fugmann

Justus Liebig University Giessen, Germany
Development Corporations in the Canadian North - Examples for Grassroots Economic Initiatives Among the Inuit

Adaptation to Climate Change

1:00 pm – Room 1440

Jocelyn Inksetter

Lakehead University, Canada
Studying Polar Climate Change, a Changing Economy and the Women of Qikiqtarjuaq, Nunavut

Renate Treffeisen

Foundation Alfred Wegener Institute for Polar and Marine Research, Germany
The New Regional Climate Office for Polar Regions and Sea Level Rise

Anna Degteva

St. Petersburg State University, Russia
Indigenous Adaptation to Change in the Arctic: The Case of Reindeer Herders and Loss of Grazing Land in Yamal-Nenets Autonomous Okrug, Russia

Andrea Rawluk

University of Alberta, Canada
Arctic Intergenerational Perspectives on the Future

Vegetation Changes 1: Plant Growth

1:00 pm – Room T 1023

Stef Bokhorst

University of Sheffield, UK
Impacts of Extreme Winter Warming Events on Sub-Arctic Dwarf Shrub Communities: Consistent Evidence from an Experimental Manipulation and a Natural Event

Julia Wdowiak

Lakehead University, Canada
Simulated Climate Change Effect on a High Arctic Dominant Plant, *Cassiope Tetragona*

Krista Hanis

University of Manitoba, Canada
Eddy Covariance Measurements of Methane and Carbon Dioxide Over a Eutrophic Subarctic Fen at Churchill, Manitoba

Rebecca Hewitt

University of Alaska Fairbanks, USA
Going Underground: The Role of Mycorrhizal Fungi in Promoting or Inhibiting Post-fire Seedling Establishment

Rebecca Baird

University of Alaska Fairbanks, USA
Assessment of Change in Vegetation Index in an Interior Alaska Boreal Forest

Sunday, October 4, 2009

Polar Programs and Expeditions

9:30 am – Gym

Carla Jellum

University of Otago, New Zealand

Antarctica as a Recreation Resource: Interpreting Participant Values

Erin Neufeld

University of Canterbury, New Zealand

A Place on the Ice: The Stories, Images and Experiences that Make New Zealand's Antarctica

Jessica Tomkins

Polar Continental Shelf Program, NRC, Canada

Polar Continental Shelf Program and the Changing Face of Infrastructure and Logistical Needs for Research in the Canadian Arctic

Oceans and Atmosphere

9:30 am – Room 1440

Agata Durkalec

Trent University, Canada

Community-based Sea Ice Monitoring Networks in Nunavik and Nunatsiavut

Maria Pisareva

Lomonosov, Moscow State University, Russia

Large-scale Variability of the Upper Water Masses Characteristics within the Eurasian Basin Observed by ITPs

Alexandra Smirnova

St. Petersburg State University of Aerospace

Instrumentation, Russia

The Biological Active Zones and their Spatial and Temporal Variability Results of Comprehensive Aerospace Investigations of the Seas - White, Greenland and Labrador

Arctic Engineering

9:30 am – Room T 1023

Svetlana Usenyuk

Ural State Academy of Architecture and Art, Russia

Towards Sustainable Arctic Technologies Through Exploring Indigenous Wisdom (with reference to Yamal Peninsula, Russia)

Alejandro Reyes Veliz

University of Technology Federico Santa Maria, Chile

Research Facilities in Extreme Environments: A low-tech Approach to innovative Building Technologies

Michael Golub

University of Alaska Fairbanks, USA

Rural Electric Vehicle Utilization Project

Public Policy

11:00 am – Gym

Nick Falvo

Carleton University, Canada

Housing and Homelessness Policy in the Northwest Territories

Pascale Bourbonnais

University of Montreal, Canada

Arctic Marine Shipping Assessment (AMSA) 2009 Report – Findings and Recommendations: A Geography Graduate Student Perspective

Laura Tucker

Transport Canada, Canada

Know Your Arctic Marine Shipping Assessment

Oceans and Atmosphere

11:00 am – Room 1440

Rodica Lindenmaier

University of Toronto, Canada

Monitoring Ozone Evolution and Other Stratospheric Trace Gases at Eureka, Nunavut During IPY and Beyond

Felicia Kolonjari

University of Toronto, Canada

Atmospheric Trace Gas Measurements over Eureka, Nunavut Using the Portable Atmospheric Research Interferometric Spectrometer for the Infrared (PARIS-IR) and Atmospheric Chemistry Experiment Fourier Transform Spectrometer (ACE-FTS)

Health

11:00 am – Room T 1023

Michelle Doucette-Palmer

University of Ottawa, Canada

The Circumstances of Food Security Among Canadian Inuit Women: Understanding Pregnancy, Nutrition and Health in the Arctic

Andrew Bresnahan

University of Toronto, Canada

Health Promotion and Knowledge Translation in the Canadian Arctic: Community-driven Health Research as a Basis for Primary Health Care in the Inuvialuit Settlement Region

Julie Bull

Dalhousie University, Canada

Authentic Research Relationships to Improve Aboriginal Health?

Pubic Policy

1:00 pm – Gym

Falk Huettmann

University of Alaska Fairbanks, USA

Profiling the Poles and Conclusions from a Cumulative Impact Assessment of IPY and Public On Line Data: Have We Missed the Mark Already?

Jerald Sabin

University of Toronto, Canada

Climate Change, Sustainability and Urbanization in Canada's Eastern Arctic: Lessons for Policy Makers

Kaleigh Millinazzo

University of Northern British Columbia, Canada

Turbulence under Northern Skies: An Analysis of Consensus Government in the Northwest Territories

Harry Borlase

University of Akureyri, Iceland

Securing a Sustainable Future in the Arctic: Engaging and Training the Next Generation of Northern Leaders

Hydrology

1:00 pm – Room 1440

Matthew Ennis

Wilfred Laurier University, Canada

A 1200-year Record of Hydrologic Variability in the Slave River System

Peter Morse

Carleton University, Canada

Flood Extent Modelling, Kendall Island Bird Sanctuary, MacKenzie Delta, Northwest Territories

Joel Homan

University of Alaska Fairbanks, USA

Dimensionless Snow Melt Depletion Curves Using MODIS-derived SCA for Improved Hydrologic Modelling

Kevin Turner

Wilfrid Laurier University, Canada

Using Water Isotope Tracers to Investigate Spatial and Temporal Variability in Lake Water Balances in the Old Crow Flats, Yukon

Erin Trochim

University of Alaska Fairbanks, USA

Investigating Water Tracks in the Foothills of the Alaskan Arctic

Health

1:00 pm – Room T 1023

Philip Loring

University of Alaska Fairbanks, USA

Health Vulnerabilities to Climate Change in Rural Alaska, an Epidemiological Approach

Katelyn Friendship

Trent University, Canada

Contaminants and Effective Risk Assessment and Risk Communications in the Circumpolar North

Francoise Proust

Université Laval, Canada

Impact of Marine Food Intake on Cardiovascular Risk Factors Among Inuit of Nunavik (QC)

Brian Laird

University of Saskatchewan, Canada

Bioaccessibility of Mercury from Traditional Northern Country Foods Measured Using an In Vitro Gastrointestinal Model is Independent of Mercury Concentration

Monday, October 5, 2009

Community-Based Research

9:45 am – Gym

Brendan Griebel

University of Toronto, Canada

A Change for the Better? The Role and Challenge of Community Archaeology in Nunavut

Tekke Terpstra

University of Groningen, Netherlands

Arctic Social Scientists and Fieldwork in Urban Areas: The Case of Greenlandic Migrants in Danish Cities

Rosa Thorisdottir

University of Paris VII, France

Images as Research Documents

Ann Balasubramaniam

University of Waterloo, Canada

Beyond Data Collection: The Benefits of a Participatory Research Approach

Suzanne Robinson

University of Essex, UK

Take it from the Top: Northern Perspectives on Southern Canada, Newcomers to the North and the Northern Land and People Through Northern Eyes and Voices

Soil

9:45 am – Room 1440

Ivan Sudakov

Nansen International Environmental and Remote Sensing Centre, Russia

Storage of Greenhouse Gases in Permafrost: The Problem of the Carbon Bomb

Santosh Panda

University of Alaska Fairbanks, USA

Remote Sensing Based Near-surface Permafrost Distribution Mapping in a Section of the Proposed Gas Pipeline Corridor, East Central Alaska

Pascale Roy-Léveillé

Carleton University, Canada

Permafrost Degradation Around Thermokarst Lakes in Old Crow Flats, Yukon

Kate Edwards

University of Toronto, Canada

Soil Microbial Declines in Arctic Sedge Meadows During Thaw: Death by Starvation or Death by Drowning?

Vegetation Changes II: Treeline Dynamics

9:45 am – Room T 1023

Sean Sweeney

University of Northern British Columbia, Canada

Environmentally Induced Interactions of Climate and Tree Growth at the Arctic Treeline

Andrew Trant

Memorial University, Canada

Slow Moving Trees in a Fast-paced Environment: A Story of Forest Dynamics at the Treeline in Labrador

Xanthe Walker

University of British Columbia, Canada

The Dynamics of White Spruce at its Northern Range Limit, Canada

Isla Myers-Smith

University of Alberta, Canada

Is Alpine Shrub Line Expansion Driven by Recent Summer Warming?

***Schedule is subject to change**