

<b>WEDNESDAY APRIL 10TH</b>		
<b>Start Time</b>	<b>Presenter</b>	<b>Talk Title:</b>
8:40 AM	Opening Remarks, Breakfast and Coffee	
<b><i>People: Their Systems and Environments</i></b>		
9:00 AM	Lynne Mbajjorgu	Wildfire, Floods and Droughts: How Small Alberta Municipalities Adopt Risk-based Approaches in Land Use Planning.
9:15 AM	Leah Anderson	Transportation and Social Isolation in Alberta's Senior Population
9:30 AM	Nicole Bonnet	What is the Extent of Adaptation Integration in Strategic Planning Documents: The Case
9:45 AM	Theron Finley	Geothermal energy resources around the world: play types, socioeconomic factors, and some takeaways for Canada
10:00 AM	Coffee Break	
<b><i>Earth Observation and Structure</i></b>		
10:20 AM	Iain Sharp	Characterization of an in-situ fraction of Photosynthetic Active Radiation product for use in validating satellite products
10:35 AM	Jing Chen	Spatial Dynamic Modeling of Tropical Forest Change and the Relevant Spatiotemporal
10:50 AM	Kayla Stan	Environmental Change in Costa Rica: Land Cover, Climate, and Ecosystem Services
11:05 AM	Mike Duvall	The influence of structural inheritance of the Indian plate on Himalayan foreland basin
11:20 AM	Cedar Hanneson	A Regional Resistivity Model of the Southeastern Canadian Cordillera from 3-D Inversion of Magnetotelluric Data
11:35 AM	<b>Lunch</b>	
<b>12:00 PM</b>	<b>Dr. Katie Cooper</b>	<b>The Making and Breaking of Cratons</b>
1:00 PM	Coffee Break	
<b><i>Crust and Mantle</i></b>		
1:10 PM	Ben Neil	U-Pb zircon chronology of basement gneisses and granitoids in the Nonacho Lake area, Northwest Territories: Correlations to the Rae craton and Queen Maud block
1:25 PM	Ben Gruber	Temperatures and Heat Production in the Slave Craton Lower Crust: Evidence from Xenoliths in the Diavik A154 Kimberlite
1:40 PM	Christian Veglio	Behavior of ore forming elements in the subcontinental-lithospheric mantle below the Slave Craton
1:55 PM	Will Siva-Jothy	Inclusion and host studies of diamonds from Gahcho Kué
2:10 PM	Coffee Break	
<b><i>Water and Weather</i></b>		
2:30 PM	Patrick Williams	Marine-terminating glaciers and the Greenland Ice Sheet as sources of bioessential nutrients to downstream ecosystems
2:45 PM	Kelly Hokanson	Shallow groundwater systems in sub-humid, low-relief Boreal Plain landscapes: Interactions between glacial landforms, climate, and topography
3:00 PM	Ujjwal Tiwari	A Relationship between Ural-Siberian Blocking and Himalayan Weather Anomalies
<b>4:00 PM Undergraduate Poster Session</b>		

# THURSDAY APRIL 11

Start Time	Presenter	Talk Title:
8:40 AM	Breakfast and Coffee	
<b><i>Sedimentology</i></b>		
9:00 AM	Sara Biddle	Ichneological Expressions of Low Oxygen Settings: An Integrated Ichneological and Sedimentological Analysis of the Canol Formation, Northwest Territories, Canada
9:15 AM	Haolin Zhou	Identification of Triggers for Organic Matter Accumulation of the Middle and Upper Devonian Horn River Shale, Canada
9:30 AM	Calla Knudson	Trace element distributions in sediments and surface waters of Arcachon Bay and the Gironde Estuary, Southwestern France
9:45 AM	Coffee Break	
<b><i>Tracking Climate: Then and Now</i></b>		
10:20 AM	Simone Booker	Utility of $\delta^{18}O$ for paleotemperature determinations from Pleistocene (80 to 500 ka) corals: case study based on the Ironshore Formation, Grand Cayman, British West Indies
10:35 AM	Cole McCormick	Delineation of the Brac Unconformity on Grand Cayman, BWI Implications for Late Oligocene - Early Miocene Paleoclimate and Glaciation
10:50 AM	Casey Buchanan	Modelling variations in active layer thaw depth and the implications for paleo climate reconstruction
11:05 AM	Danielle Loiselle	Impacts of a changing climate on sediment and organic carbon yields of the Elbow River watershed
11:20 AM	Early Lunch	
<b><i>Fluid, Melt and Glass Geochemistry</i></b>		
11:40 AM	Vanessa Elongo	Origin of mineralizing fluids at the Cantung and Mactung tungsten deposits, Yukon-NWT, Canada
11:55 AM	Wyatt Bain	Apatite and melt inclusion compositions From the Buena Vista deposit, Nevada
12:10 PM	Jordan Harvey	Glass geochemistry of the set B Castle/Pine Creek tephra beds at Mount St. Helens, Washington State
12:25 PM	Matthew Bolton	Quantitative geochemical fingerprinting: Machine learning to trace tephra to source
12:40 PM	Coffee Break	
<b><i>Environmental and Petroleum Geochemistry</i></b>		
1:00 PM	Wujun Feng	Geochemical Signatures of Doig Sourced Hydrocarbons: Can Doig Phosphate Source Rock Generate Two Different Types of Oils?
1:15 PM	Adam Seip	Selective Lithium Extraction from Hydraulic Fracturing Flowback Fluid: Optimization of Conditions and Characterization of Sorbent
1:30 PM	Alvin Kwan	PAH characterization of reworked bitumen contributions to the lower Athabasca River
1:45 PM	Sean Funk	Sorption characteristics of inorganic and organic compounds found in hydraulic fracturing flowback and produced water: Implications for fate and transport
2:00 PM	Coffee Break	
<b><i>Geobiology and Paleontology</i></b>		
2:20 PM	Rong Jin	Fraction distribution and risk assessment of heavy metals in sediments of North Saskatchewan River
2:35 PM	Yuhao Li	Characterization and settling rate of cyanobacteria-ferrihydrite aggregates formed during oxygenic photosynthetic Fe(II) oxidation
2:50 PM	Kristina Barclay	Snails on acid: Effects of ocean acidification and fear on gastropod shell defenses
3:05 PM	<i>Closing Remarks</i>	
3:30 PM	"Diversity and Communication in Science" Informal Discussion Counts as one hour of professional development!	
5:00 PM	<b>Plate Tectonics: How the Earth's Interior Impacts Elections, Cellphones Global Climate, and You - Dr. Cooper Public Lecture in ESB 3-27</b>	
6:30 PM	ATLAS Symposium Banquet @ Earl's On Campus!	