



ARCTIC INSTITUTE OF NORTH AMERICA PRESENTS:

# Arctic Speaker Series

Presentations begin at 4:00pm  
in Science B 144

Free & open to the public

For more information, phone 403-220-7515,

email: [arctic@ucalgary.ca](mailto:arctic@ucalgary.ca), visit: [www.arctic.ucalgary.ca](http://www.arctic.ucalgary.ca)



UNIVERSITY OF  
CALGARY

ARCTIC SPEAKER SERIES 2012/2013

<p>WEDNESDAY</p> <p><b>October 17, 2012</b></p>	<p><b>Lost Worlds in Ancient Ice</b></p> <p>Permafrost from non-glaciated Yukon and Alaska preserves a lost world from the Ice Age associated with a grazing now extinct megafauna, and one of the largest terrestrial reservoirs of carbon on the planet. Diverse approaches from fossils to ancient biomolecules provide new insight into the origin of this carbon and its vulnerability to past and future climate change.</p> <p><b>Duane Froese</b> Department of Earth and Atmospheric Sciences University of Alberta</p>	
<p>TUESDAY</p> <p><b>October 23, 2012</b></p> <p><b>NOTE:</b> New Day: <u>Tuesday</u> &amp; Room: SB 142</p>	<p><b>The Little Ice Age as seen from Arctic Canada</b></p> <p>Precise records of abrupt ice cap growth from Arctic Canada and Iceland, coupled with climate modeling, suggest that century-scale cold summer anomalies such as the Little Ice Age can be explained by the known history of explosive volcanism and consequent sea-ice/ocean feedbacks during a hemispheric summer insolation minimum. Large changes in solar irradiance are not required.</p> <p><b>Gifford Miller</b> Professor of Geological Sciences Assoc. Director, Institute of Arctic and Alpine Research (INSTAAR) University of Colorado at Boulder</p>	
<p>WEDNESDAY</p> <p><b>November 21, 2012</b></p>	<p><b>The Cold War under Ice</b></p> <p>A history of American submarine activity and under-ice defence cooperation in the Arctic Archipelago, 1960-1986.</p> <p><b>Adam Lajeunesse</b> Department of History University of Calgary</p>	
<p>WEDNESDAY</p> <p><b>January 16, 2013</b></p>	<p><b>Foxe Basin: Canada's "Cartographic Backwater"</b></p> <p>The talk will discuss how Foxe Basin was the last part of Canada's North to be explored and mapped, despite its relatively southern location straddling the Arctic Circle.</p> <p><b>Kenneth Jones</b> Research Associate, Arctic Institute of North America University of Calgary</p>	
<p>WEDNESDAY</p> <p><b>February 20, 2013</b></p>	<p><b>Being Nocturnal in a Diurnal World: Bats in the North</b></p> <p>I will discuss our research on ecological and behavioural adaptations that allow bats to live in northern areas despite short seasons and short nights as well as the potential ecological effects of climate change and other novel disturbances on northern bat populations.</p> <p><b>Robert Barclay</b> Department of Biological Sciences University of Calgary</p>	
<p>WEDNESDAY</p> <p><b>March 20, 2013</b></p>	<p><b>Arctic Seabirds and Climate Change Science</b></p> <p><b>NEW DATE MARCH 13th</b></p> <p>Arctic seabirds are revealing much about the Earth's changing oceans and climate.</p> <p><b>Steve Smith</b> Meltwater Media</p>	