



Speaker

**BOB
SANDFORD**

EPCOR chair, Water & Climate
Security, United Nations
University, Institute for Water,
Environment & Health



Speaker

**KEN
SNELGROVE**

civil engineering professor
with Memorial's Faculty
of Engineering and Applied
Science

Robert Sandford, EPCOR chair, Water & Climate Security, United Nations University, Institute for Water, Environment & Health and Dr. Ken Snelgrove, civil engineering professor with Memorial's Faculty of Engineering and Applied Science will talk about our changing hydrologic cycle and its consequences.

You don't need to be a scientist to figure out that our weather is becoming erratic. Rain storms, ice storms and snow storms are paralyzing our transportation and electricity distribution systems. Both high and low temperature records are being broken everywhere. Cold snaps are persisting, snow is falling in places and in volumes seldom witnessed before; flooding is occurring widely and droughts are lasting for years. This lively, highly illustrated presentation will explain in non-scientific language how changes in the composition of the earth's atmosphere are energizing the global hydrological cycle and what we can do to adapt to these changes.

Dr. Snelgrove has been working with his students to determine the impacts of climate change on the large hydro-electric scheme in Labrador and will provide a local perspective and local examples of water resources devastations while Mr. Sandford will talk about the impact on the rest of Canada.

Robert Sandford is the chair of the Canadian Partnership Initiative in support of United Nations "Water for Life" Decade, a national partnership initiative that aims to inform the public on water issues and translate scientific research outcomes into language decision-makers can use to craft timely and meaningful public policy.

Dr. Snelgrove's research focuses on the role of weather and climate on the water resources of the province, which includes flood forecasting on the Humber River basin and climate change impacts on hydroelectric generation on the Churchill River in Labrador.

Speaking of **ENGINEERING**

L E C T U R E S E R I E S

HAVE YOU EVER WONDERED...

*about the effects
of climate change?*

Thurs., Feb. 5, 2015 at 7:30 p.m.
Memorial University, St. John's Campus
S.J. Carew Building; Room EN2006

RECEPTION TO FOLLOW. ADMISSION IS FREE. ALL ARE WELCOME.
Free parking in lot 16

Speaking of Engineering is hosted by the Faculty of Engineering and Applied Science at Memorial University and the Professional Engineers and Geoscientists of Newfoundland and Labrador.