



**WISE** Newfoundland and Labrador  
Women in Science and Engineering

## **WISE NL Speaker Series**

7:00-9:00 pm, Wednesday, March 9, 2011

EN-4000, SJ Carew Building, Memorial University

# **The Role of Engineers in Sustainability and Climate Change Adaptation**



**SPEAKER: Lianne Lefsrud, P.Eng.**  
BSc, MSc, PhD candidate Alberta School of Business

Climate change and broader issues of sustainability will irreversibly affect future generations and as such are among the most urgent issues facing corporations, governments, and society. Engineers and geoscientists bring critical expertise that is essential towards identifying and managing the risks. Recognizing the overwhelming complexity of ongoing debates of climate change and sustainability more broadly, this presentation will outline the motivational context, risk management methodologies, the identification and implementation of adaptation strategies and competitive opportunities, and the means of effectively communicating alternatives to decision-makers and other audiences.

Lianne Lefsrud has a BSc in Civil Engineering, a MSc in Environmental Engineering, and is now a Ph.D. candidate in Strategic Management and Organization at the Alberta School of Business. She researches organizational strategies such as corporate environmental responsibility, sustainability, and diversity. She is also a consultant with Engineers Canada to develop a national senior undergraduate/ graduate level course in climate change adaptation and mitigation. For five years previous, Lianne was the Assistant Director, Professional Practice, with the Association of Professional Engineers, Geologists and Geophysicists of Alberta (APEGGA), which regulates engineering and geoscience in Alberta. Her portfolio included Practice Standards, Environment, Practice Review, Continuing Professional Development, and the Joint Environmental Professional Practice Board. Prior to this, Lianne worked seven years with CN Rail and in oilfield, construction, water resources, and environmental consulting. Lianne is also Vice President of the Canadian Centre for Women in Science, Engineering, Trades and Technology.

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**Women in Science and Engineering Newfoundland and Labrador** (WISE NL) is a non-profit, volunteer organization that aims to increase the participation of women in science, technology, engineering and mathematics careers by increasing awareness that these professions are rewarding and exciting options of women. WISE NL also provides mentoring, professional developing and networking opportunities to facilitate the success of women in these fields, and advocates for equitable workplaces.

For more information: [www.wisenl.ca](http://www.wisenl.ca) or [info@wisenl.ca](mailto:info@wisenl.ca).