UNIVERSITY OF TORONTO

MUNK SCHOOL OF GLOBAL AFFAIRS

Join the Global Conversation

Program on Water Issues

Fracking in a Permafrost Environment: Key Questions

Campbell Conference Facility
Program on Water Issues, Munk School of Global Affairs
University of Toronto
March 1, 2016
9:00 am to 12:30 pm EST

AGENDA

The Symposium is also being webcast.

8:30 am	**REGISTRATION AND COFFEE**	
9:00 am	**Welcome and Introductions**	**Adèle Hurley** – Director, Program on Water Issues, Munk School of Global Affairs, University of Toronto
9:10	**Presentation #1: Permafrost 101** • What is it? • Where is it found? • What are the impacts of climate change?	**Dr. Christopher Burn**– Professor and Researcher Permafrost and Ground Ice, Carleton University; former NSERC Northern Research Chair and President of the Arctic Circle
9:40	**Presentation #2: A Groundwater Expert's Perspective – Key Questions for Fracking in Permafrost**	**Dr. John Cherry** – Director, University Consortium; Adjunct Professor, University of Guelph; Chair of the 2014 Council of Canadian Academies Expert Panel on the Environmental Impacts of Shale Gas Extraction
10:10	**Presentation #3: A Civil Engineering Perspective – Key Questions for Fracking in Permafrost**	**Dr. Anthony Ingraffea** – Professor, Civil and Environmental Engineering, Cornell University (video presentation)

10:40	**BREAK**	
10:55	**Panel Response** **(10 minutes each)**	• **Government of Northwest Territories** – (Invited) • **Paul Dixon** – Executive Director, Sahtu Land and Water Board • **Cyril Jenkins** – Director, External Relations, Environment and Sustainable Development, ConocoPhillips Canada • **Caleb Behn** – Executive Director, Keepers Of The Water; Lands Director, West Moberly First Nations • **Bernadette Conant** – CEO, Canadian Water Network • **Daniel T'seleie** – K'asho Got'ine, Dene Nation
11:55	**Q&A**	**Audience**
12:25pm	**Wrap Up and Acknowledgments**	**Adèle Hurley**
12:30	**LUNCH**	