

Friday Forum

Friday,
Jan. 20, 2012



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20 Richmond Street E. Suite 210
Toronto, Canada M5C 2R9
Tel: (416) 364-8677: (416) 364-5889

Earthquake risk in Canada and the National Building Code

Many of Canada's major urban centres, both in the east and the west, are exposed to significant seismic risk. This presentation focuses on the key components of earthquake risk in eastern and western Canada, model uncertainties, and lessons learned from earthquakes in other countries. In order to gain a sense of how Canadian structures will fare in future earthquakes, it is common to draw conclusions from how structures behaved during past earthquakes elsewhere. However, an appropriate comparison requires some understanding of how structures are built in Canada. Hence the second part of the presentation focuses on the seismic provisions of the National Building Code and construction practices in Canada, integrating them with lessons learned from earthquakes elsewhere to further our understanding of earthquake risk across Canada.

Based in Victoria, British Columbia, Dr. Onur works as an independent catastrophe risk consultant. She is currently serving on the National Building Code of Canada's "Standing Committee on Earthquake Design". Previously, she worked for six years as a lead catastrophe risk modeler for Risk Management Solutions, Inc., where she focused on modeling earthquake risk and had frequent interactions with the insurance industry on model uncertainty and intelligent use of catastrophe risk models. Before joining RMS, Dr. Onur conducted earthquake hazards research with the Geological Survey of Canada. She holds a PhD in structural engineering from the University of British Columbia, where she focused on seismic vulnerability of Canadian building stock and regional earthquake risk in southwestern British Columbia.

Where: ICLR, 20 Richmond Street East, Suite 210, Toronto (10:00 am to 11:30 am)

RSVP: Tracy Waddington (twaddington@iclr.org)

Friday Forum

ICLR seeks to strengthen the insurance community's awareness of the risks associated with natural hazards. Each month we will host an informal discussion of current research and industry issues related to natural hazards. **Member companies can send two participants at no cost.** A fee of \$75.00 will apply for additional attendees. The cost for non-members is \$150.00 per person for each forum. Business casual dress.

2012 Friday Forum Series

Seismic provisions of Building Code	Jan 20	Tuna Onur (RMS)
Flood maps	Feb 17	David Ward (Intermap)
Goderich Tornado Damage	March 9	Sara Stenabaugh (UWO)
Canadian Wildfire Risk	April 13	Kerry Anderson (NRCan)
Cat Reinsurance	May 25	TBA
Hurricanes in Canada	June 15	Bob Robichaud (Env. Cda)
Flooding	Sept 14	Slobodan Simonovic (UWO)