Vancouver Geotechnical Society
A Local Section of the Canadian Geotechnical Society

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NOTICE OF UPCOMING TECHNICAL PRESENTATION
Wednesday, 24 February 2021

TOPIC: **The 6th Generation Seismic Hazard Model of Canada and proposed provisions for the 2020 edition of the National Building Code of Canada**

SPEAKERS: **Tuna Onur – Onur Seemann Consulting, Inc., University of Victoria**
Tuna Onur is a seismic hazard and risk consultant based in Victoria, BC. She has been serving on the National Building Code of Canada's Standing Committee on Earthquake Design since 2009. She is also an Adjunct Professor at the Department of Civil Engineering, University of Victoria. Previously, she worked as a lead catastrophe risk modeller for Risk Management Solutions, Inc. in California and conducted earthquake hazards research with the Geological Survey of Canada. She holds a PhD in structural engineering from the University of British Columbia.

Michal Kolaj – Natural Resources Canada
Michal Kolaj (research scientist, Natural Resources Canada) contributed significantly to the development of the 6th Generation Seismic Hazard Model of Canada and the earthquake provisions within NBC 2020. He is now leading the development of the next generation of models and is a member of the Standing Committee on Earthquake Design where he is working towards the development of the seismic hazard provisions for future editions of the NBC.

CONTENT: The latest hazard assessment, the 6th Generation Seismic Hazard Model of Canada (CanadaSHM6), was released in 2020 and is currently proposed to be the basis for seismic design values for the 2020 edition of the National Building Code (NBC) of Canada. NBC 2020 is expected to be released in late 2021. The new model includes recent advancements in our understanding of: recurrence of great subduction earthquakes; revisions in the geometry of deep inslab earthquakes; inclusion of newly-discovered potentially active faults; and the adoption of new ground motion models. Seismic hazard values are now also computed directly for various site conditions and provided to the end-user for their specific Vs30 (time-averaged shear wave velocity in the top 30 metres) and/or Site Class. This approach removes the need for separate site factor look-up tables in the building code, expands the applicability of the results, and simplifies the way end-users will determine seismic design spectrum. This presentation will summarize the key new model changes for CanadaSHM6, their impacts and present the proposed changes to the site properties provisions of NBC 2020.

DETAILS: **Technical Presentation: 5:30 pm – 6:30 pm**
Link: https://attendee.gotowebinar.com/register/1275447095448307211