



Green Construction Research & Training Center (GCRTC) Seminar

Developments in the Canadian Code Provisions for Seismic Design of Steel Structures

Date: Wed. Apr. 17, 2019

Time: 4:30 PM

Location: EME 4218, School of Engineering, UBC, Okanagan, Kelowna BC

Speaker: Dr. Robert Tremblay
Professor at Polytechnique Montréal

ABSTRACT

The presentation will provide an overview of the provisions of CSA S16-14 and NBC 2015 for the design of steel seismic force resisting systems. The intended seismic response of the various systems will be reviewed and discussed, together with main design and detailing requirements. NBC 2015 guidelines for the nonlinear seismic analysis of steel structures will be presented. Modifications that are being considered for the upcoming CSA S16-19 and NBC 2020 documents will be introduced, including new steel seismic resisting systems and

BIOGRAPHY



Robert Tremblay is Professor of Structural Engineering and former Tier 1 Canada Research Chair in Earthquake Engineering at Polytechnique Montreal, Canada. Before undertaking his doctoral studies, Prof. Tremblay worked for 10 years in the industry. His current research work is mainly directed towards the seismic design and response of steel structures for buildings and bridges, with a focus on innovative structural systems for enhanced seismic performance. He is a member of the CSA-S16 Technical Committee on Structural Steel Design (Chair of the Work Group on Seismic Design), Standing Committee on Earthquake Design of the National Building Code of Canada (1995-), CSA-S6 Sub-Committee on Seismic Design of Bridge Structures, AISC Task Committee 9 on Seismic Design Provisions for Structural Steel Buildings, AISC Task Group on Industrial Buildings and Nonbuilding Structures (2005-), and the AISC Adhoc Task Group on Seismic Analysis 2020.

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