

PRIX A.B. SANDERSON AWARD



ROBERT TREMBLAY

The A.B. Sanderson Award was established in 1977 in honour of Adrian Barclay (Sandy) Sanderson (1909-1994), a very distinguished structural engineer and University of British Columbia graduate from Vancouver. Among Mr. Sanderson's best-known achievements were the 1954 design of the Mosquito Creek Bridge in North Vancouver, the superstructure of the MacDonald-Cartier Bridge over the Ottawa River, then the longest continuous box girder in North America, and his involvement in the Mount Kobau Astronomical Observatory. The A.B. Sanderson Award is presented to a member of the CSCE who has made particularly outstanding contributions to the development and practice of structural engineering in Canada.

The A. B. Sanderson Award for 2023 is presented (in 2024) to Robert Tremblay.

Robert Tremblay is a Professor of Structural Engineering at Polytechnique Montréal. He obtained his BSc (1978) and MSc (1988) degrees from Laval University, followed by a PhD degree from UBC in 1993. Between undertaking his PhD studies in 1989, he worked as a structural engineer for a steel building manufacturer (1979-88) and a consulting engineering firm (1988-89) in Quebec City.

Prof. Tremblay's research activities focus mainly on the seismic behaviour and design of steel building structures and he held a Tier 1 Canada Research Chair in earthquake engineering (2003–2017). He has been a member of several technical code committees: the Canadian Committee on Earthquake Engineering (CANCEE; 1995–2009); the Standing Committee on Earthquake Design (SC-ED) since 2009 for the development of the seismic provisions of the NBCC; the CSA S16 Standard for the design of steel structures (1998–2023), leading the work group on seismic design from 2002 to 2022; the CSA S6 sub-committee on the seismic design of bridge structures (2004–2019), and the AISC Task Committee 9 working on the AISC 341 Seismic Design Provisions for Structural Steel Buildings in the U.S. (2005–2021).

Prof. Tremblay has authored and co-authored over 400 journal and conference articles. He and colleagues were awarded the P.L. Pratley award in 1996 and the Cazimir Gwosdzki Medal in 2003 and 2006. In 2004, he received the ASCE Raymond C. Reese Research Prize for outstanding contributions to the application of structural engineering research. Prof. Tremblay was named Fellow of the CSCE in 2004 and Fellow of the Canadian Engineering Academy in 2012. In 2002, he received an AISC Lifetime Achievement Award and in 2009, he received an AISC Special Achievement Award for his research in improving understanding and design of seismic-resistant steel braced steel frames.