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January 2018 - Evening Seminar

Wind-Related Issues in the Design of Tall Buildings

Date:	**Wednesday, January 31, 2018**
Venue:	**Room C180, UBC Robson Square, 800 Robson Street, Vancouver, BC**
Time:	**Refreshments 6:00pm, Presentation 6:30pm**
Presenter:	**Jon Barratt, P.Eng.**
	Project Manager, RWDI
Cost:	**Free for SEABC Members. $85 + tax for non-members**
	Registration is required: seabc.ca/event/wind-loading-issues

Join us for a stimulating evening discussion of wind-related risks, prescriptive wind loading based on the 2012 BC Building Code, and the methodology and benefits of alternative modeling and analytical approaches for the derivation of wind loads – specifically wind tunnel testing. Changes to wind and snow load provisions in the 2015 NBCC will be discussed, including some thoughts regarding how these changes are anticipated to impact projects in the Lower Mainland.

Tall buildings are becoming more commonplace in many cities in our region. As such, the need to consider wind-related impacts is critically important in the development of structural and cladding loads and when evaluating occupant comfort at upper floors. Through our experience with thousands of buildings located around the world, including several in the Lower Mainland, RWDI has helped project teams understand the role that wind will play in the design of high-rise buildings, bridges, stadia, airports, art installations, and other unique structures. Examples of projects, both local and international, that have faced issues related to wind will be presented to illustrate some benefits of wind control mitigation.

Jon Barratt, P.Eng., is an experienced engineer and project manager with RWDI in Vancouver, BC. Prior to joining RWDI, he held roles at leading consulting firms in San Francisco and Vancouver. At RWDI, Jon has managed wind tunnel studies for projects throughout North America, including several in the Pacific Northwest. Jon has a degree in Structural Engineering from the University of Western Ontario, where he also spent time at the Boundary Layer Wind Tunnel Laboratory.