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Check SEABC website for details:
www.seabc.ca/codes

One-Day Seminar

2014/2015 Updates to NBCC and CSA Structural Design Standards

- Date:** Friday, January 16, 2015
Venue: Coast Coal Harbour Hotel, 1180 W. Hastings Street, Vancouver
Time: Sign in 8:00am, Seminar 8:30am – 5:30pm
- Presenters:** Perry Adebar, Svetlana Brzev, Robert Malczyk, Bill McEwen, Andy Metten, Grant Newfield, Andrew Seeton, John Sherstobitoff, Carlos Ventura
- Cost:** SEABC Members: \$150 + GST
SEABC Student Members: \$100 + GST
Non-Members: \$225 + GST
Live Webcast: Same rates as above
Fees include refreshments, lunch, and handouts
Hotel parking is valet only (\$36). Public parkades are within the block
- Registration:** www.seabc.ca/codes or use attached mail-in registration form
Registration deadline: Friday January 9, 2015

Valid 2015 SEABC membership required for member rates. Renew today at www.seabc.ca/membership or use attached application form!

This full day seminar will present updates found in the upcoming NBCC 2015 Part 4, as well as the recently published updated CSA material design standards. Topics to be discussed include:

- “When does it come into effect?” Consensus on application of codes and standards between code cycles.
- NBCC 2015 Part 4: Updates to snow and wind loads, fire design, and requirements for structural drawings.
- NBCC 2015 Part 4: Updated earthquake ground motions and commentary on time history record selection.
- NBCC 2015 Part 4: Updated seismic base shear calculations.
- NBCC 2015 Part 4: New section on base isolation and supplemental energy dissipation.
- A23.3-14: Updates to Clause 21 (Seismic Design) in A23.3 *Design of Concrete Structures*.
- S16-14: Updates to S16 *Design of Steel Structures*.
- O86-14: Updates to O86 *Engineering Design in Wood*. Special focus on CLT and connection design aspects.
- S304-14: Updates to S304 *Design of Masonry Structures*.

Updated CSA Standards are available now and can be purchased at <http://shop.csa.ca/>

PRESENTERS

Dr. Perry Adebar, P.Eng., is Professor of Structural Engineering and Head of the Department of Civil Engineering at the University of British Columbia. He was Chair of the Seismic Design Technical Group of CSA A23.3 for the 2014 edition. He has recently become Vice-Chair of the full CSA A23.3 technical committee and a voting member of the Standing Committee on Earthquake Design (SCED).



Dr. Svetlana Brzev, P.Eng., is a faculty member at the Department of Civil Engineering, BCIT. She has over 25 years of combined teaching, research, and consulting experience related to structural and seismic design and rehabilitation of reinforced concrete and masonry structures. Dr. Brzev is a member of the Technical Committee CSA S304 for design of masonry structures. She has co-authored two books: Reinforced Concrete Design: A Practical Approach with John Pao and Seismic Design Guide for Masonry Buildings with Don Anderson.



Robert Malczyk, Struct. Eng., belongs to a rare breed of university-trained, specialized timber engineers. In 1997, Robert co-founded Equilibrium Consulting Inc. Robert is a long-standing member of the CSA O86 "Engineering Design in Wood" code committee, and a member of the ANSI/APA PRG 320 CLT Code committee. He is also a member of the BC Advisory Group on Wood-based Advanced Buildings. Robert is regularly invited to lecture on the subject of timber engineering at seminars and conferences.



Bill McEwen, P.Eng., has over thirty years of experience in the B.C. masonry industry. He chairs CSA A371 on Masonry Construction, and serves on the Masonry Design, Concrete Masonry Unit and Masonry Connectors committees. He chairs the Building Research Committee of BCBEC. He has been the Executive Director of the Masonry Institute of B.C. since 1995, where he provides technical assistance to engineers, architects, building envelope professionals and students.



Andy Metten, Struct. Eng., has been a member of the structural consulting community since 1982 and is a partner and practicing structural engineer with Bush, Bohlman & Partners LLP. Andy has been a frequent presenter at SEABC events and evening courses including the SEABC Steel course that he has taught since SEABC started doing courses. Andy believes that a structural lecture should give everyone something to take home with them that they can use in their practice.



Grant Newfield, Struct. Eng., is a principal at RJC Consulting Engineers. He is a member of the CSA 086 Wood Code Main Committee, in addition to its Seismic Task Force and Mid-Rise Task Force. Grant has participated on APEGBC and SEABC committees and provided consultation to the BC Government regarding the code changes on mid-rise wood frame residential construction. He is a coordinator and presenter for the SEABC CSE course on wood frame design.



Andrew Seeton, P.Eng., is a senior structural engineer at Glotman Simpson Consulting Engineers. He holds a master's degree in Earthquake Engineering from UBC and is knowledgeable in the design of a wide variety of structural materials and systems. Andrew is a past-president of the former Vancouver Structural Engineers Group Society and since 2008 has been a member of the SEABC Board of Directors and Education Committee. He is the chair of the recently formed SEABC Post-Earthquake Committee.



John Sherstobitoff, P.Eng., is Principal of Seismic & Structures at Ausenco. He has over 30 years of experience relating to the analysis and design of buildings and infrastructure. The past 23 years have focused on seismic upgrade projects, including the first use in Canada of viscous dampers in a seismic upgrade. John is Chair of the Standing Committee on Earthquake Design (SCED) that sets the seismic provisions for the National Building Code of Canada (2015, 2020), and championed getting new provisions for seismic isolation and supplemental energy dissipation into the 2015 code.



Dr. Carlos Ventura, P.Eng., is currently the Director of the Earthquake Engineering Research Facility (EERF) at UBC and has more than 30 years of experience as a structural engineer. His current research is focused on the development of performance-based guidelines for seismic retrofit of schools, on methods to evaluate the interaction between critical infrastructure vulnerable to natural and man-made hazards, and on structural health monitoring. He is a member of several professional advisory committees and code committees. In addition to his academic activities, Dr. Ventura is a recognized international consultant on structural vibrations and safety of large Civil Engineering structures.





Structural Engineers Association of British Columbia

Mail-in Registration Form:

One-Day Seminar:

Updates to NBCC and CSA Structural Design Standards

January 16, 2015, Vancouver

You can also register online!
www.seabc.ca/codes
 (secure credit card payment via PayPal)

Contact Information:

Name of Company or Individual _____
 (Receipt will be issued in this name to email provided below)

Street Address _____ City, Province _____ Postal Code _____

Telephone _____ Email (receipt will be issued to this email address) _____

Registration Fees:

REGISTRATION DEADLINE January 9, 2015

Name(s) of Attendee(s)	SEABC Membership Number (Required for Member discount)	SEABC Member \$150	Student Member \$100	Non-Member \$225	Fees
1. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____
2. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____
3. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____
4. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____
5. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____
6. _____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	\$ _____

Check one box per attendee

SUBTOTAL: \$ _____

ADD 5% GST \$ _____

TOTAL (PAYMENT ENCLOSED) \$ _____
 Cheque payable to SEABC

Please make cheque payable to SEABC. Mail this form and cheque to:
SEABC c/o Andrew Seeton, P.Eng.
1661 West 5th Avenue
Vancouver, BC V6J 1N5

Contact: seminars@seabc.ca

Registration will be confirmed via e-mail. Registration cannot be guaranteed if received after January 9, 2015.
 An administration fee of \$25 will apply to any cancellations received by January 9, 2015. No refunds given after January 9, 2015.

SPONSORSHIP OPPORTUNITY:
 If your company would like to be recognized as a sponsor at this event,
 please contact seminars@seabc.ca



Structural Engineers Association of British Columbia

2015 MEMBERSHIP APPLICATION (For membership until December 31, 2015)

MEMBERSHIP CATEGORY (Please see Note 1 below, and check appropriate box)

Individual Member

Structural or civil engineers who are practicing structural engineering and registered as a Professional Engineer or EIT with a provincial or territorial association or state licensing board.

Fee:	\$75.00
5% GST (No. 824 589 816):	<u>3.75</u>
Total Fee:	\$78.75

Associate Member

Technologists, non-structural engineers, and engineering students.

<input type="checkbox"/> Technologist or other discipline	Fee:	\$75.00
	5% GST (No. 824 589 816):	<u>3.75</u>
	Total Fee:	\$78.75

<input type="checkbox"/> Student Member	Fee:	NIL
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Affiliate Member

Individual members of corporations or associations who share the interests of SEABC.

Fee:	\$75.00
5% GST (No. 824 589 816):	<u>3.75</u>
Total Fee:	\$78.75

MEMBER INFORMATION

Name (Mr./Ms./Dr. Please circle one) _____

Professional Designation (e.g. P.Eng., Struct. Eng., EIT, A.Sc.T., Student) _____

Licensing Authority (e.g. APEGBC) _____

Company/Institution _____

Mailing Address: Home Business

Phone _____ Email _____

Please make cheque payable to SEABC and include with seminar registration payment.

NOTES

1. Associate and Affiliate members are entitled to all benefits of membership except that they may not vote at meetings of the SEABC Society. The membership fee for students is waived.
2. Under the Society Act of BC, SEABC is required to keep a register of the names and addresses of its members. Email addresses will be used for mailing the Newsletter and society notices. In accordance with the Canada Privacy Act, names and addresses will not be made available to the public.
3. Any member who is interested in participating in the work of SEABC by serving on one of the operating committees, is asked to contact SEABC through the website at www.seabc.ca