



Volume 44 • November 2018

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Message from the President



David Harvey, P.Eng.
SEABC President

Professional Governance

You may have noticed that the BC Government is amending legislation that governs the five resource professions, which includes Engineers and Geoscientists BC. The new legislation is contained in Bill 49 – 2018: Professional Governance Act, which recently had its second reading. The intent of the legislation is to increase public representation and setting common ethical principles among the professions. Also included are requirements for professionals to make declarations of competency, strengthening the requirements for professionals to report unethical conduct, and providing protection for whistle-blowers. Finally, the regulation of firms providing professional services has been added.

Since June of this year, Engineers and Geoscientists BC has been actively responding to the draft legislation which has resulted in some positive changes; however, much is still unclear. While most of the changes to the current legislation requested for decades have been included, many requirements remain which will concern the affected registered professionals. Until better clarification is forthcoming, we cannot conclude that the stated legislative intent will be achieved. In the meantime, consultations between the government and the resource profession associations continue.

Most structural engineers have little-to-no involvement with the resource industries, so how could this affect them? The new legislation will affect all professionals registered with Engineers and Geoscientists BC, irrespective of their service sector. Here are some provisions that lack definition:

- The new Office of the Superintendent which will be created will be granted broad sweeping powers. How these might be exercised is critical to success, but it is vital that the Office is

sufficiently distanced from government to prevent regulation of the professions from being compromised, as is the case for those regulated professions not included in this Act.

- Government appointees to Council. The number of appointed councillors remains at four, while the number of elected councillors is reduced to seven. Candidates standing for election will in future be selected on merit, it is not clear how government appointees will be chosen. In future, at least one Government appointee will need to be present at meetings of the Registration Committee or other committees with delegated Council responsibilities.
- Independent practice rights are well established for engineers and geoscientists but not for agrologists, biologists, and applied science technologists and technicians. Whether these will be granted is uncertain.
- Written declarations of competence and conflict of interest will be required for the provision of engineering services. To be effective these declarations will need to be meaningful; however, this requirement needs to be implemented with reasonableness to avoid an undue commercial impediment and an administrative nightmare.

A key change is that Engineers and Geoscientists BC's current object of upholding and protecting the interests of its members and licensees has been repealed. While initiatives to develop and modernise the professions are not precluded, there is no such requirement in the legislation. It remains to be seen how the new Office will view such initiatives, which will be important to ensure the long-term relevance of professional engineering and its ability to contribute to economic growth.

In future, Councils will also be able to make bylaws concerning specialized areas of practice – a deficiency which has previously presented difficulties in regulating our professions. Fortunately, the BC Government has responded positively to the input provided by Engineers and Geoscientists BC by improving the content of the new Bill and is seeking similar input to development of the Regulations. It will likely take several years until we can see how the new Act will change the practice of structural engineering in BC.

2018 Structural Awards



David Harvey, PEng.,
Struct.Eng.

Hot off the press! The Institution of Structural Engineers has just announced the winners of this year's prestigious competition. The judging panel of 19 world-class structural engineers (including SEABC Director, Paul Fast) was faced with the unenviable task of teasing out the winners from a record number of top-drawer projects from across the world. And as in several previous years, there was a BC project in the list of winners!

Supreme Award for Structural Engineering Excellence

Tamina Canyon Crossing, Switzerland
Leonhardt Andra und Partner

Award for Tall or Slender Structures

Dubai Frame, United Arab Emirates
Arcadis Consulting Middle East Limited

Award for Long Span Structures

Reflector Supporting Structure – 500 m Aperture Spherical Telescope, Guizhou, China
Beijing Institute of Architectural Design

Commendation: Louvre Abu Dhabi
Buro Happold Engineering

Award for Vehicle Bridges

Winner: Tamina Canyon Crossing, Switzerland
Leonhardt Andra und Partner

Commendation: Queensferry Crossing, UK
Jacobs Arup Joint Venture

Award for Pedestrian Bridges

Perry Bridge, Waikato, New Zealand
Holmes Consulting

Award for Small Projects – under £1M

Winner: Rwanda Cricket Stadium
Light Earth Designs

Commendation: Tiffany Gallery Glass Staircase, USA
Glass Light and Special Structures

Award for Small Projects – £1-3M

Herne Hill Velodrome
Heyne Tillett Steel

Award for Structures in Extreme Conditions

Stability Frame for Hywind Scotland, UK
Saipem Limited

Award for Structural Heritage

Hoover Building, London, UK
Interrobang

Award for Structural Transformation

Romerhus, Denmark
Soren Jensen Consulting Engineers

Award for Construction Innovation

Touring Frame – The Joshua Tree Tour, 2017
Atelier One

Award for Construction Integration

Victoria and Albert Museum – Exhibition Road, UK
Arup

Award for Structural Artistry

Steve Jobs Theatre Pavillion, USA
Ekersley O'Callaghan and Arup

Award for Sustainability

Haiti Chapel, Haiti
Web Yates Engineers

Award for Outstanding Value

New StructureCraft Plant, Abbotsford, BC
StructureCraft Builders Inc.

Many things stand out in the award-winning designs:

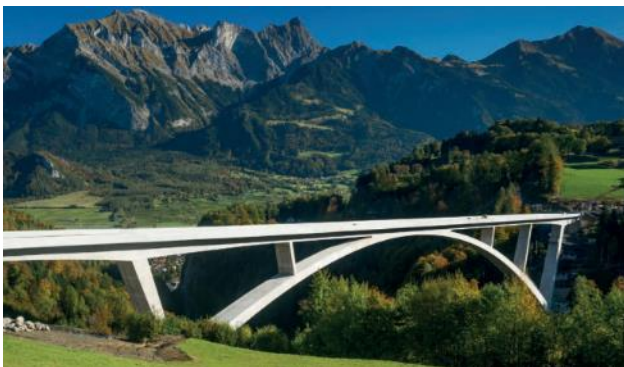
- Bold, free-cantilevered construction of the Tamina Canyon Crossing
- Steve Jobs Theater's world-record free-standing glass elevator and carbon-fibre roof
- The sheer scale of the 522 m wide cable-net supporting the spherical telescope
- Skid-launching the 130 m span Perry Bridge's network arch across tensioned cables
- Rwanda Stadium's pressed-soil tiles seismically reinforced with geogrid
- Erecting its new 4000 m² all wood-panel DLT mass-timber plant in just five days, reflecting StructureCraft's commitment and culture.



Pedestrian Bridges: Perry Bridge



Long-span Structures: 500 m Aperture Telescope



Supreme Award Winner: Tamina Canyon Crossing



Commendation – Vehicle Bridges: Queensferry Crossing



Small Projects: Rwanda Cricket Stadium



Commendation – Small Projects: Tiffany Staircase



Structural Heritage: Hoover Building



Outstanding Value: New StructureCraft Plant



Structural Transformation: Romerhus



Steve Jobs Theatre – Glass Elevator



Structural Artistry: Steve Jobs Theatre Pavilion

Committee Reports

Vancouver Island Branch



Thor Tandy, P.Eng, Struct.Eng,
MISTructE

Branch Chair

Mission:

To provide a focal point for SEABC members on the Island to meet, discuss SEABC issues and to take benefit in the form of exchange of items of technical interest. We faltered on that in 2017/18 period but we will try again in the coming months.

Proposed Events:

Polystyrene Building Blocks: Decided to re-introduce this topic as the content is a lesson in sustainability.

Rubble Foundations: *"Performance of Rubble Foundations in Seismic Zones"*. Discussion on relevance to current practice. We suggest that the material is not clearly addressed for seismic situations.

Rammed Earth: *"Ancient art seeking technical rationalization"*. Opinion to re-table and proceed.

Non-structural Components: – *"What Not To Do"*. Dan G will review with Dan W if interested in pursuing.

NBCC2015: While the code is now familiar with most practitioners, it was suggested that a presentation by a Code committee member on why the changes occurred and how to address and mitigate the impacts of the Code changes in practice. We are in the throes of organizing a date. It is late but we are aiming before end of year.

Branch Webpage: The Branch has a new web page at: seabc.ca/vi

Impacts of Long-Duration EQ's: Presentation on the impact of long-duration EQ's vs code design. VI is probably a beneficiary of such a talk. We invite

anyone interested in being a speaker to please contact an exec member.

Schedule 'S': There have been a few occasions when the use of Schedule 'S' has been misunderstood. We are considering running a workshop to clarify any issues. The event would be open to Architects, Engineers and (possibly) Building Officials.

Executive Meetings: We are aiming to have these more frequently and we extend the invitation to join us. Please contact an exec member.

2018 Branch Executive:

Thor Tandy

Lee Rowley

Dan Gao

Stephen Pienaar

James Macauley

Dan Weber

Roxanne Duigou

Young Members Group



Thomas Duke, P.Eng

Recent events put on by the SEABC YMG include a tour of the Salton Road Pedestrian Bridge as well as the second Structural Engineers Ask/Answer Questions event (SEAQ). The YMG has also been working hard to plan future events and initiatives including the 8th Annual Presentation Competition.

Tour of the Salton Road Pedestrian Bridge

On October 2nd, a group of SEABC members toured the Salton Road Pedestrian Bridge, an aesthetically pleasing structure that compliments the importance of the U-District development in Abbotsford. The tour started with a short safety orientation followed by a site tour led by members of the Graham

Infrastructure contracting team; Ronan Deane, Aidan Connell and Manjot Toor. A member from the design team, Nik Cuperlovic from Associated Engineering was also present during the site tour. At the time of the tour, portions of the North and South walkway ramps were completed and the main arch segment was fabricated and stored on the contractor laydown area. The attendees were given the opportunity to walk alongside the portions of the completed South walkway ramp, overlooking the fabricated arch. Nik and members of the Graham Infrastructure team discussed the various design complexities and construction challenges of the structure. The main span of the Salton Road Pedestrian Bridge will accommodate a 76 m long by 3.5 m wide roadway for pedestrians and cyclists, crossing over one of the busiest highways in the Lower Mainland, Trans-Canada Highway 1. The main span is planned to be erected into place later this month, with approximately 97,000 kg of steel required to be lifted. The completion of the new pedestrian bridge will contribute to the public's safety, accessibility and cultivation of the community.



The Salton Road Pedestrian Bridge

They Came, They Saw, They “SEAQ”ed

The second Structural Engineers Ask/Answer Questions event (SEAQ 002) had a fantastic turn out and engagement. SEAQ is a meet-up group of young practicing and non-practicing engineers that come together to ask and answer each other questions in a non-judgmental and open environment. The event started with Eytan Fizman of RJC Engineers giving a presentation on Concrete Structures and Innovations, and then the floor was opened to questions about the presentation and engineering in general.

Participants asked a range of questions, from technical questions about concrete modeling and the future of concrete, to non-technical questions about effective and collaborative structural engineering firms. A list of some of the questions asked at the event can be found on the SEABC YMG LinkedIn page.

You are invited to register for SEAQ 003 which will take place on November 12, 2018. The topic of focus will be Mass Timber Structures. Registration and event information can be found here:

www.registration.information

So You Think You Can Give a Seminar? CALL FOR CONTESTANTS!

Worked on an interesting dream project? Got a chance to visit an amazing job site? Learned something extra-ordinary? Here is an opportunity to share your experiences and enter a chance to win \$1000 and bragging rights among your fellow young engineers.

To enter, email the presentation title and a 250 word description to ymg@seabc.ca. Chosen candidates will give a 10-15 min presentation to a panel of judges during the competition which is taking place on Feb. 20th, 2018 at UBC Robson Square. For more information, please refer to the competition flyer at the end of the newsletter.



The 2018 “So You Think You Can Give A Seminar” Contestants

On the Web



Stephen Pienaar, P.Eng.

Webmaster

Are you making the SEABC website work for your firm? You can showcase your firm in two ways:

- 1) **Directory of Structural Firms:** The Directory currently lists 82 firms across the province. We have received positive feedback from many that their listings are generating valuable leads. Listing in the Directory is free and available for firms that employ one or more SEABC members.
seabc.ca/directory
- 2) **Photo of the Month:** Thanks to generous contributions from members, we are able to dress up the SEABC website with a beautiful photo every month. We would love to receive your contribution.
seabc.ca/photo-of-the-month

Current activities on the website

The SEABC website is a busy place this month:

- **Membership renewal:**
Log in by December 31 to renew your membership for 2019. A group renewal option is available for firms that want to renew for their staff.
seabc.ca/about/membership
- **January 2019 Term of the Certificate in Structural Engineering Program:**
The upcoming term offers four courses, all available in classroom and live interactive webcast formats. An early-bird discount is available until December 4
seabc.ca/certificate-program/course-list
- **P.Eng. Registration and the Members in Training:**
The Young Members Group is hosting an evening seminar on November 28 about

professional registration with Engineers and Geoscientists BC.

seabc.ca/events/upcoming

- **So You Think You Can Give a Seminar?**
Young members are invited to enroll for the eighth annual SEABC Young Members Presentation Competition. The abstract submission deadline in January 7.
seabc.ca/events/upcoming
- **Video recordings of past seminars:**
Members can log in to watch **video recordings** of seminars.
seabc.ca/videos
- **Be first the first to know:**
Follow us on **Twitter** for announcements of SEABC events.
twitter.com/SEABC

We want to hear from you

We welcome your comments for improving the SEABC's website and other online services. Please send your suggestions to webmaster@seaba.ca

Sincerely,
Stephen Pienaar, P.Eng
SEABC Webmaster



Communications Committee



David Harvey, P.Eng.,
Struct.Eng.

Director SEABC

Just a reminder that your Communications Committee produces the newsletters, bulk emails, notices and bulletins that you, the members, enjoy. We are all volunteers, but we work hard to keep you informed. Communications underpins everything that SEABC does, and we simply could not operate without our communications team.

So, who are we? First and foremost, our webmaster, Stephen Pienaar looks after our popular and heavily-trafficked website. On line, we list current and planned activities, archived material and other material. I look after writing columns and sourcing/assembling articles for publication. Finally, our Newsletter Editor, Catherine Porter, crafts our newsletter from the material we have collectively

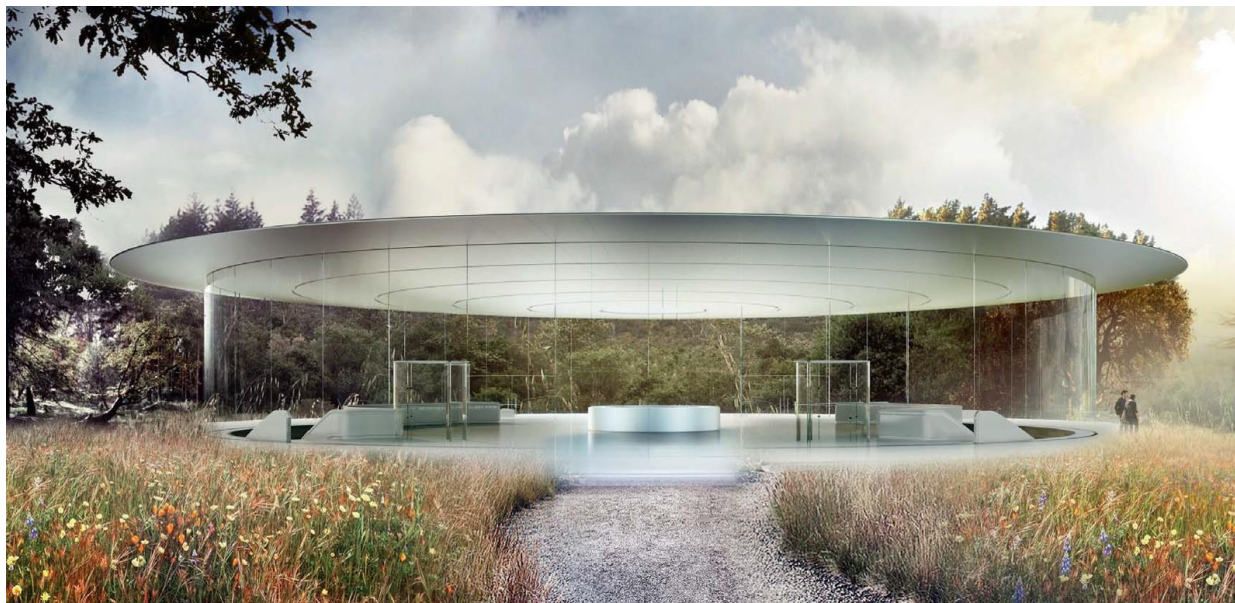
provided. Catherine does a wonderful job of turning the raw text and images the writers provide into a professional document. Well done, Catherine! We hope you enjoy our service, but we realize that there is always the opportunity to improve. So, are we overlooking anything? Are there better ways to communicate? We welcome your constructive comments or suggestions.

Please contribute – it is your newsletter. We want your stories, so please share your experience with your fellow professionals. By describing our designs or research, we raise our professional standing and we can inspire others to do better. This is a great way to advance the standard of practice. We love receiving interesting contributions from structural engineers, so kindly forward your submissions for publication to:

newsletter@seabc.ca

Would you like to volunteer? Can you send us articles for our newsletter? Are you interested in publishing? Do you like writing articles on structural engineering? If any of these apply to you, please join our team!

Photos of Interest - Steve Jobs Theatre Pavilion



The Award Winning Steve Jobs Theatre Pavilion

IStructE News



David Harvey, P.Eng.
Struct.Eng.

People and Papers Awards

The fine folks at local consulting firm Fast & Epp have been well recognized by the Institution this year. Winning prestigious international awards demonstrates that our practices and our structures compete globally and in some cases are world-leading. Here is information on the IStructE website:

www.istructe.org-awards/people-and-papers-awards



The Sir Murray Buxton Award winners for 2018 were Paul Fast and Derek Ratzlaff for their paper Design of the Grandview Heights Aquatic Centre, Surrey, Canada. Above, IStructE President Faith Wainwright presents the medal to Chris Mills, representing Paul and Derek at the ceremony in London, UK.



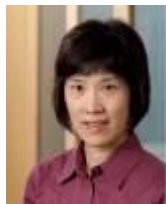
The Sir Arnold Waters Medal winner for 2018 was Paul Fast. Above, IStructE President Faith Wainwright presents the medal to Chris Mills, representing Paul.

Another award presented was the 'Excellence in Structural Engineering Education Award 2018'. This international award recognises the high-quality university-level teaching of structural engineering and is presented to individuals or university departmental teams who display a commitment to the highest standards of teaching in structural engineering and a drive to develop exciting and innovative philosophies and techniques to improve student learning. This scheme is open to both member and non-member academics and teams.

The successful award winner for 2018 was Alastair McDonald for the paper 'First Year Design – The Design of Experimental Structures'



Schedules to be used by Supporting Registered Professionals



Kitty Leung, P.Eng. Struct.Eng.
PE, SE, LEED AP

There has been concern brought forth by SEABC members where structural engineers who act as 'Supporting Registered Professionals,' SRPs, responsible for secondary structural elements and/or specialty structural elements, were incorrectly asked by some Authority Having Jurisdictions to submit Letters of Assurance in the forms set out in Schedule B and C-B.

SRPs should instead, through the use of Model Schedules S-B and S-C as contained in AIBC/APEGBC Practice Note 16, provide assurance that their designs and field reviews of the element substantially complies with the Code. These S-B and S-C documents are meant to be submitted to the applicable Registered Professional of Record, and not the AHJ.

It is noted that Engineers and Geoscientists BC is aware of the issue and has a few documents with information that help address this on its website:

- Practice note 16

www.Professional-Design-and-Field-Review

- Bulletin K: BCBC LOA in the BC Building Code and Due Diligence

www.egbc.ca/letters-of-Insurance-in-BC-Building-Code

SEABC members may also ask the AHJs to contact Engineers and Geoscientists BC practice advisors at practiceadvisor@egbc.ca to seek clarification.

Extraordinary General Meeting



David Harvey, P.Eng.
Struct.Eng.

The SEABC Board recently invited members to attend the Association's first Extraordinary General Meeting on Monday October 15, 2018. The EGM was needed to approve the Special Resolution: *"That the Structural Engineers Association of British Columbia designates itself as a member-funded society, as defined in the Societies Act of November 28, 2016"*.

As a not-for-profit society based in British Columbia, SEABC is required to register with the government. On November 28, 2016, the BC Government updated the Societies Act giving societies two years to re-register as not-for-profit societies under the new Act. The legislation requires increased reporting by societies that receive significant public funding, while simplifying administration for member-funded societies. The Board preferred the simplified reporting required for societies like ours under the new Act.

With the deadline fast approaching, the EGM took place and the Special Resolution was duly approved by the members attending. Subsequently, SEABC was duly re-registered with the BC Government as a member-funded society. You can check out *"Part 4 – Proceedings at General Meetings"* at:

www.seabc.ca/about/bylaws/

Certificate in Structural Engineering Program



Shannon Remillong,
CSE Program Co-ordinator

January 2019 term is just weeks away!

The following four courses offered this January 2019 at UBC Robson Square are:

- C52 Bridge Conceptual Design 1
- C10 Design of Earth Supported Structures
- C11 Timber Design of Light Residential & Commercial Buildings
- E16 Introduction to Cables & Cable Systems

Registration for the January 2019 is open until end of day Monday, January 7th through the SEABC website:

www.seabc.ca/certificate-program/current-term/

Early-bird rates apply until Friday, December 14th. Classes will be on either Tuesday or Thursday evenings beginning the week of January 8th and ending the week of April 4th with a mid-term break in the week of February 19th.

Courses fill up fast so register early and take advantage of the savings!

Registration Inquiries and Requests/Suggestions:
Please contact Shannon Remillong, Certificate Program Executive Assistant, at email:

courses@seabc.ca

CSE Board of Directors

John Pao, M.Eng., P.Eng., Struct.Eng., Bogdonov Pao Associates Ltd. (Chair)

Shannon Remillong (Executive Assistant)

Farshid Borjian, M.A.Sc., P.Eng., PE, C.Eng., M.I.Struct.E., Struct.Eng., Borjian Engineering Ltd

Svetlana Brzev, Ph.D., P.Eng., FEC, University of British Columbia

Anthony El-Araj, P. Eng, Struct Eng, PE, SE, LEED AP, Glotman Simpson Consulting Engineers

Andreas Felber, Ph.D., P.Eng.,(on temporary leave), BC Hydro

Darrel Gagnon, M.Sc., P. Eng., Cowi N.A. Engineering

Chris Jacques, P. Eng., M.I.Struct.E., LEED AP, Read Jones Christoffersen Ltd

Saqib Khan, M.A.Sc., P.Eng, SE., PE. McElhanney Consulting Services

Bishnu Pandey, Ph.D., P. Eng., British Columbia Institute of Technology

Carlos Ventura, Ph.D., P.Eng., University of British Columbia



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Structural Stream at Engineers & Geoscientists BC Convention



Farshid Borjian P.Eng.,
Struct.Eng.

Structural Stream at Engineers & Geoscientists BC Convention

On Friday, October 26, 2018 Engineers and Geoscientist BC in collaboration with SEABC held a full day structural stream during the EGBC AGM and convention in Vancouver convention center. There were four separate presentations, two in the morning and two in afternoon with the focus on the changes in the BC building code, and structural codes. Around 100 structural engineers attended each presentation.



Engineers enjoying the presentation

Modifications to BC Building Codes Part 4: Design Loads

Grant Newfield, (P.Eng., Struct.Eng.) from Read Jones Christoffersen Ltd. Presented our first topic of the day. The 2018 BC Building Code has made many important changes such as: some updates to Live Load combinations, Loads on Guards and updates to Wind and Snow Loads – both of which now include previous Commentary features now transferred to the body of the Code. Wind loads now have-

separate topographic factors, specific requirements for wind tunnel testing, updates to loads on cladding, etc. Snow loads have updated- basic roof snow load factor, specific weight of snow, updated calculations of the accumulation factor, loads due to sliding snow, etc.

Modifications to BC Building Codes Part 4: Seismic Loads and Base Isolation

The second presentation in the morning was by John Sherstobitoff, (P.Eng.) from Ausenco Engineering Canada Inc. There were changes or additions to over 20 portions of NBCC 2015 with regards to Earthquake Loads and Effects; the revised/added provisions are being adopted by BCBC 2018 (effective December 10, 2018). That session outlined the changes/additions and overviews their impacts on design and possibly on construction costs, including the all-new provisions for seismic isolation and supplemental energy dissipation. The session also summarized the revised Seismic Design Data in Appendix C, the updated Commentary L regarding seismic upgrading of existing buildings, and the new Annex within Commentary J regarding selection and scaling of earthquake ground motion time history records.



Grant Newfield, John Sherstobitoff and Farshid Borjian

Modifications to CSA A23.3: Concrete Design

Dr. Perry Adebar, (P.Eng.) from The University of British Columbia led the topic for the first afternoon session. The substantive new requirements in the 2014 edition of CSA A23.3 Design of Concrete Structures were described. The largest changes relate to the seismic design of concrete buildings and

include: effective stiffness of concrete walls; magnification of the design shear force to account for higher mode demands; the requirement to do a detailed analysis of the demands on walls in subterranean levels; anchorage requirements for horizontal steel in walls, design of squat walls; design of moderately ductile coupled shear walls; accounting for foundation movements; revised procedures for evaluating the seismic demands on gravity-load frames and lastly the design of tilt-up buildings. The presentation ended with a brief summary of the expected changes for 2019.

Modifications to CSA S16: Steel Design

Finally, the last presentation of the day was by Andy Metten, (P.Eng., Struct.Eng.) from Bush Bohlman & Partners LLP. The 2018 edition of the BC Building Code and the 2015 edition of the National Building Code of Canada both reference S16-14, which has several changes from the previous steel standard S16-09. Andy went through the most important of the changes in S16-14 and talked about other changes that will affect your steel building design including a new steel for HSS members and changes in bolt standards. He then highlighted a few of the changes in NBC 2015 including the seismic design, snow and wind provisions that had an influence on how you design your steel buildings.



Andy Metten, Perry Adebar and Farshid Borjian

At the end of each session, was an interactive Q+A with the audience who were experienced structural engineers.

This year, the location in Vancouver provided better opportunity for more structural engineers to attend the structural stream.



Engineers listening attentively to the afternoon session

Mark Your Calendar

Upcoming Seminars/Webinars and Events

Ozone for Drinking Water Treatment

Date: November 29, 2018

Location: Vancouver

Presenter: Dr. Saad Y. Jasim, P.Eng.

More Information: www.egbc.ca/Events/Events/2018

Tour of the False Creek Neighbourhood Energy Utility

Date: Friday December 07, 2018

Venue: False Creek Energy Centre, 1850 Spyglass Place, Vancouver, BC

Time: Tour Slot #1: 9:00 AM–10:00 AM

Tour Slot #2: 10:15 AM–11:15 AM

(Please make your selection during online registration)

More Information: www.egbc.ca/Events/Events

Eighth Annual Young Members Presentation Competition

Date: Monday January 7, 2019

Location: HSBC Hall (C-680), UBC Robson Square, Vancouver

More Information: www.seabc.ca/events/upcoming/

Engineers and Geoscientists BC/AIBC Certified Professional (CP) Course

Date: Wednesday January 9, 2019 - Wednesday April 10, 2019

Venue: AIBC #100- 440 Cambie Street Vancouver, BC

Time: 8:30 AM–5:00 PM

More Information: www.egbc.ca/Events2019

Women in Leadership-Webinar

Date: Monday, February 04, 2019

Presenter: Ms. Diana Pavlovská
The Humphrey Group

Time: 8:30 AM–9:00 AM: Registration

9:00 AM–10:30 AM: Webinar

More Information: www.egbc.ca/Events/

Stormwater Detention Pond Design

Date: Monday February 25, 2019

Venue: Vancouver, BC

Presenter: Jim Dumont, P.Eng.
Water Infrastructure Engineer

Time: 8:00 AM–8:30 AM: Registration

8:30 AM–4:30 PM: Stormwater Detention Pond Design

More Information: www.egbc.ca/Events

Final Words

Editorial Information

The SEABC Newsletter is published by the Structural Engineers Association of British Columbia. The current and past issues are available on the SEABC website at www.seabc.ca.

The Newsletter is edited and managed by the SEABC Communications Committee.

- Committee Chair: David Harvey
- Newsletter Editor: Catherine Porter
- Webmaster: Stephen Pienaar

Submissions are welcomed and all SEABC members are encouraged to actively contribute to the Newsletter. Submissions, letters to the Editor, questions and comments can be sent to: newsletter@seabc.ca.

The Committee reserves the right to include or exclude submitted material and in some cases edit submitted material to suit overall space requirements. If content is not to be edited, please advise so at submission time.

SEABC Board of Directors

President:	David Harvey
Past President:	Cameron Kemp
Secretary / Treasurer:	Surinder Parmar
Other Directors:	Perry Adebar, Stanley Chan, Paul Fast, Tejas Goshalia, Adrian Gyax, Kitty Leung, Kevin Riederer, Andrew Seeton, John Sherstobitoff

Committee Chairs:

Education:	Tejas Goshalia
Structural Practice:	John Sherstobitoff
Technical:	Kevin Riederer
Seismic Resilience:	Andrew Seeton,
Communications:	David Harvey
Young Members:	Stanley Chan

Branch Chairs:

Vancouver Island:	Thor Tandy
Okanagan:	Meagan Harvey

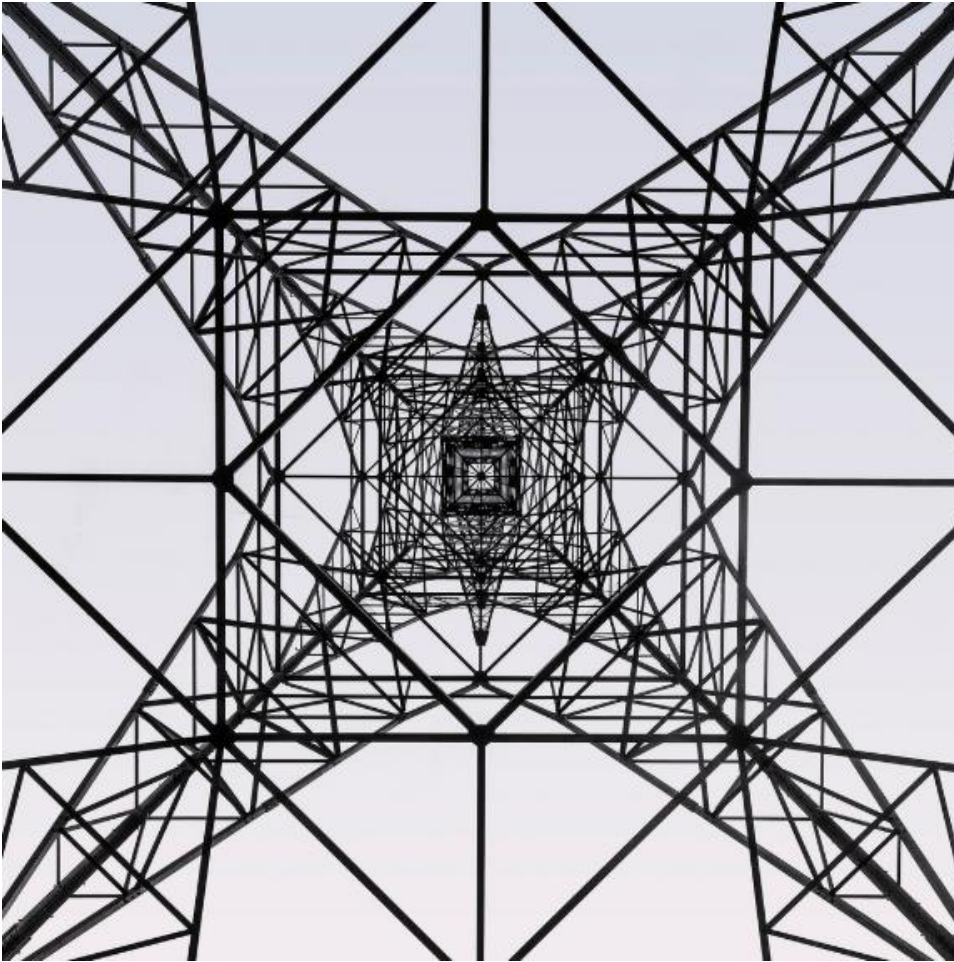
Advertising

Pre-paid rates per edition:

- \$270 (quarter page), \$360 (half page) or \$450 (full page) plus GST. Rates include a banner advert on the Events page of the SEABC website.
- 50-word "Available for Employment" ads are free.

Please address advertising enquiries to: newsletter@seabc.ca.

Please support our advertisers!



8TH ANNUAL SEABC PRESENTATION COMPETITION

DATE: FEB 20TH, 2019

VENUE: HSBC Hall (C680), UBC Robson Sq.

SO, YOU THINK YOU CAN GIVE A SEMINAR!

Worked on an interesting dream project? Got a chance to visit an amazing job site? Learned something extra-ordinary? Here's a chance to share your experiences and enter a chance of winning \$1000 and bragging rights among your fellow young engineers.

APPLICATION DEADLINE

January 7th, 2019

REQUIREMENTS:

SEABC members with less than 10 years' experience. participation in previous years' event does not disqualify you from participating again!

PRIZE:

Up to \$1,000! invitation to present at the SEABC AGM! SEABC trophy!

SEABC YMG

ymg@seabc.ca

ORGANIZING COMMITTEE

Navpreet Bharaj

Email: navpreet.bharaj@kiewit.com

Eytan Fizman

Email: EFizman@rjc.ca



Who?

- Students. EITs, Engineers with less than 10 years' experience.
- SEABC members (annual membership for \$75, free for students).
- Contestants outside of lower mainland highly welcomed! Travel costs may be subsidized (contact YMG for more info). Participation in previous years' event does not disqualify from participating again!

What to expect?

Give a 10-15 minutes presentation followed by up to 5 minutes Q&A.

Rating is based on:

- Presentation skills
- Ability to answer questions
- Topics and content

Be advised that the presentations may be filmed.

Topics

Must pertain in some way to structural engineering and can include:

- A project you have been involved in;
- Post-disaster reconnaissance work;
- A project completed at school;
- An international experience you would like to share;
- Your research work;
- A personal reflection about industry practice;

Application:

Please provide:

- Presentation title
- Your title and affiliation
- Abstract (approx. 250 words)

A 5-minute video of a condensed version of your presentation may be requested by January 11th for the first round.

For more information or to submit your application, please contact YMG at ymg@seabc.ca.

