



Volume 45 • February 2019

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BC Place Stadium by Michael Elkan



Message from the President



David Harvey, P.Eng.
SEABC President

SEABC Progress

In writing this article as I complete my third term as SEABC President and eleventh as a Director, I am not alone. Other Board members helped found the Association – a big thank you to Cameron Kemp, Surinder Parmar and Andrew Seeton for your sustained hard work and commitment. You helped create this amazing Association – its success attracted the talented group of Directors who currently serve on the Board.

It is hard to realize that so much time has passed and yet, it seems only yesterday that SEABC was created. Our first efforts were tentative but SEABC quickly shaped itself and our core services are mostly unchanged. We quickly learned to elect Directors annually, to publish quarterly newsletters and communicate efficiently with bulk emails.

We also saw the value of branches to better serve our members in the Okanagan region and Vancouver Island. To cater to the unique needs of our more junior colleagues, we launched the Young Members Group to manage the programs specifically aimed at EITs and young professionals. The YMG has flourished and developed its own identity, running events specifically geared to those in the early-career stage.

We constantly build and maintain SEABC's website which is an incredible resource. We cannot thank Webmaster, Stephen Pienaar for his unstinting efforts on our behalf. Inheriting a rudimentary yet amazingly resilient website which he expanded enormously, Stephen eventually switched to the website's current platform with its much-improved layout and functionality. We hope the new website will reliably serve us for many years to come.

We have always turned our Annual General Meeting into our 'flagship' event – initially with a view to

engage our members in SEABC business. We invited world-class structural engineers to speak to our members and were delighted when they came to Vancouver. Our invited guests entertained us royally with their project descriptions and their thoughts about structural engineering. I'm confident that few other places have attracted such top names in the profession and heard their inspiring stories.

We are belatedly realizing that Vancouver draws visitors – especially those that do not normally come to the City. Also, SEABC events are well organized and we look after our guests. Visitors enjoy our Association's hospitality and the word spreads.

We also leverage personal contacts to source our keynote speakers. Several are IStructE members known to the Directors while others are business contacts. We are especially indebted to Paul Fast for securing this year's keynote speaker, Mike Schlaich. Mike is the 2015 IStructE Gold Medalist and a giant in our field. Paul and Mike crossed paths in Germany where Paul caught a snapshot of Mike's seminar on structural engineering history. Paul describes this talk as a "can't miss" presentation – so take note!

If you have not seen them, Mike's designs are spectacular. Known for their pioneering work on retractable fabric roofs, including BC Place Stadium, Schlaich Bergmann prepare many elegant structural designs. If you are thinking about attending our annual event this year, you should go. There are two opportunities to hear Mike talk. First, Mike will demystify lightweight structures, and on the following night, he will link structural engineering history with future trends. Secure your spot quickly in both evening events before the seats fill up!

Recognizing that most attendees came to hear the keynote speaker, we separated the AGM itself from the Annual Dinner. If you want to hear about Association business and elect the Directors, please come to this year's venue, the Fairmont Pacific Rim Hotel on Wednesday March 13, at 4 pm. If you are interested but are not able to attend, we will circulate our annual report to members ahead of the meeting. This move allows us to fulfill our AGM obligations and creates time to hear Mike's lightweight structures talk at 6 pm – I look forward to seeing you there. Next evening at SFU's Harbour Centre, Mike will explore structural engineering history in the first Pinnacle Lecture – look out for more in future years.

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.

2019 Branch Executive:

Thor Tandy
Lee Rowley
Dan Gao
Stephen Pienaar
James Macauley
Dan Weber
Roxanne Duigou
Inter-Branch Liaison: Meagan Harvey (Okanagan),
Ralph Watts (North Island)

Branch Demographic:

- Members in the local Victoria, Gulf Islands area.
- A central Island group centred on the Nanaimo, Port Alberni area.
- A small North Island group.

Events in 2018:

While the best of plans seemed to have traction, 2018 repeated 2017 as a period of topic discussion and decision. The end of the year did pick up and we were able to start 2019 off with the first of our tabled events.

Recent Events:

- **NBCC2015:** This highly successful presentation by Andy Metten P.Eng, Struct.Eng was held January 10, 2019. The

content presented the significant changes in the new NBCC2015 & BCBC2018 codes.

- **Schedule 'S':** There have been a few occasions when the use of Schedule 'S' has been misunderstood. The event, to which Architects, Engineers and Building Officials were invited, was held February 19, 2019 at the Comfort Inn on Douglas St, Victoria.
- **Branch Webpage:** The Branch now has a dedicated web link on the SEABC website.
- **Executive Meetings:** We now meet monthly (approx.) and we extend a warm invitation for you to join us. Please contact an exec member if you would like to be notified.

Proposed Events for 2019 (We are Stubborn!):

- **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.
- **Impacts of Long-Duration EQ's:** Presentation on the impact of long-duration EQ's vs code design. We invite recommendations for a speaker. Please contact an exec member.
- **Non-structural Components:** "*What Not To Do*".
- **Social Events:** We plan to make this happen so we look forward to feedback from the membership.

Participation:

We encourage members to submit comment to our executive on any matter that may concern or be of interest to structural engineers.

Contact:

Thor Tandy
island@seabc.ca

Young Members Group



Thomas Duke, P.Eng

The SEABC YMG ended 2018 strong with a seminar on professional registration, as well as a joint networking and trivia evening with the ACEC-BC. With numerous events just around the corner, 2019 is assured to be another active year for the YMG.

Professional Registration Seminar

The Professional Registration Seminar is a traditional Young Members Group event. The community was invited out for an evening of presentation and Q&A with two knowledgeable individuals closely involved in the P.Eng. registration process. Kevin Riederer from RJC Engineers gave a succinct overview of the competency based registration program and added valuable input from his own experience as a member of the registration committee. Leila Lagroix, the Accredited Employer Member-in-Training (MIT) program administrator from Engineers & Geoscientists BC, spoke about the added benefits for both employers and employees of participating in the MIT program. A good round of questions and answers followed after the presentations and the night was capped off with a small, relaxed social at a nearby pub.

Young Professionals Networking Mixer and Trivia Night

SEABC Young Members Group and the Association of Consulting Engineers Canada- BC (ACEC-BC)- Young Professionals Group joined forces to host a networking mixer and trivia night on November 7, 2018. Young professionals gathered at the Mahony & Sons Irish Pub at the Stamps Landing to build relationships while enjoying a fun night of trivia. Young professionals from SEABC expanded their network by connecting with young engineering professionals from different disciplines.



Trivia Night and Networking Mixer

So You Think You Can Give a Seminar?

The 8th Annual SEABC YMG Presentation competition took place a few days ago. Everyone was encouraged to come and support the young engineers. The keynote speaker presented on a wide array of structural engineering topics and a good time was had by all.



On the Web



Stephen Pienaar, P.Eng.

Webmaster

Video Recordings and Slide Shows of Recent Seminars

BCBC 2018 Part 4 Updates:

January evening seminar in Victoria presented by Andy Metten P. Eng., Struct. Eng. (Bohlman & Partners). This seminar provided an overview of the major changes to Part 4 to both BCBC 2018 and NBCC 2015.

Schedule 'S' Demystified

February evening workshop in Victoria facilitated by Thor Tandy P.Eng, Struct.Eng, Principal Engineer at UNISOL Engineering Ltd. The workshop and discussion delved into the correct use of Schedules S-B and S-C alongside Letters of Assurance.

2018 Northwest Conference:

SEABC is a Northwest Council Chapter member. The (August) 2018 conference was hosted in Richland, Washington. The conference included eight excellent technical sessions.

EERI Distinguished Lecture: Life Safety in the City – There is more to Life than not being Crushed:

The 2018 distinguished lecturer was Dr. Lucy Jones, Ph.D. (Seismological Lab at Caltech, Pasadena). In her Vancouver talk in March, she explored a conceptual framework for creating a building code that reflects the realities of earthquake losses and the social dynamics of shared economic decisions.

Members can view these and past seminar recordings at seabc.ca/events-archive.

Current Activities on the Website

Annual General Meeting:

The President and Board of Directors of the SEABC invite members to the AGM on March 13 at 4:00 PM. Registration is not required.

Light Weight Structures – Demystified

The Annual Dinner & Presentation will follow the

AGM on March 14 at 18:00. Join fellow SEABC members and guests for a three-course plated dinner and engaging presentation by celebrated structural engineer Mike Schlaich, Prof. Dr. sc.techn. (Schlaich Bergermann Partner, Berlin). Register at seabc.agm/ADM.

History of Structural Engineering ... Leading to Future Trends

SEABC is launching its Pinnacle Lectures, that will epitomize high-calibre topics by distinguished speakers on themes that shape the future of our profession. Our first Pinnacle Lecture will be presented by Mike Schlaich, Prof. Dr. sc.techn. (Schlaich Bergermann Partner, Berlin). This is a can't miss lecture! Register at seabc.ca/Pinnacle.

Read more about these and other upcoming events at seabc.ca/events.

Be the First to know

Follow us on **Twitter** for breaking news and announcements related to SEABC.

twitter.com/seabc

Technical Committee



Kevin Riederer, M.A.Sc.
P.Eng.,

Director SEABC

The task group developing a practice guideline for the "Structural Condition Assessments of Existing Buildings" has nearly completed the first draft of the guideline. The next step will be review by EGBC and a peer review by volunteers of SEABC. Members can look for the guideline to be published later in 2019.

Anyone with interest in participating on a Technical Subcommittee or task group is encouraged to contact SEABC. Any member with an issue or concern that they would like to have the Technical Committee consider is also encouraged to reach out to the committee.

Communications Committee



David Harvey, P.Eng.,
Struct.Eng.
Director SEABC

Much SEABC business hinges on communications. Yes, our Board and committee meetings are in-person interactive debates, while our communication with members is mostly electronic whether it is via the website, a bulk-email or the newsletter. We do get to communicate directly with participating members when we host live events, so attending the Annual Dinner or an evening seminar is a really great way to know the Board members and your fellow professionals. We look forward to meeting our fellow SEABC members – please take the opportunity to give us your valuable feedback.

In the meantime, please consider sharing your experience with your structural engineering colleagues. This is a great way to learn and is fun to do. Informing readers of the newsletter about our engineering designs or research can inspire others to do likewise. Your editorial team is interested in receiving contributions from structural engineers, so kindly send information for publication to:

newsletter@seabc.ca

Thank you for your interesting articles – we need them to build our newsletter and keep it relevant to all readers. Now, how would you like to edit the SEABC Newsletter? We are looking for a structural engineer that enjoys writing and publishing articles. Let us know if you are keen to join our team – we'd love some help and are looking out for your help.

Recent Seminars and Events



David Harvey, P.Eng.
Struct.Eng.

Do you have a deserving colleague that has contributed strongly to the profession and/or the community? Is that person serving as a role model and inspiring others? If so, consider nominating him/her for the 2019 President's Awards, recently announced by Engineers and Geoscientists British Columbia. The President's Awards are B.C.'s premier awards for professional engineers and geoscientists. To nominate an individual, you will need to prepare a letter of nomination, or support for a nomination, outlining that person's outstanding achievements. To streamline and standardize the process, nominations are currently made on-line.

The President's Awards include awards for meritorious achievement; community service; professional service; young professionals; and the R.A. McLachlan Memorial Award – BC's top award for professional engineers. Nominations must be received by Friday April 12, 2019.

Full details of the awards and the nomination procedures are available at:

www.egbc.ca/Member-Programs/Awards

For further information or assistance on any aspect of the EGBC President's Awards, contact **Laurel Buss**, Communications Officer at: lbuss@egbc.ca



IStructE News



David Harvey, P.Eng.
Struct.Eng.

In recent years several individuals have represented IStructE's British Columbia Regional Group on the Institution's Board, Council, Committees and Panels – thank you for your important contributions. Currently, I serve as the Regional Group representative on the Council which meets in London twice yearly. This is a very rewarding duty as like-minded structural engineers from across the world network for a couple of days. Ideas are shared, contacts made, and many maintain contact. The Council meetings include workshop sessions exploring the latest topics affecting structural engineers. The IStructE Council is an excellent place to rub shoulders with some of the key international players in our field.

Each year, the Institution holds its flagship event, the Structural Awards in London. This prestigious occasion attracts many nominations from the world's top structural engineering projects and the event's popularity is increasing. BC has often been well represented and some local projects made the shortlist for 2018. Heartiest congratulations to Lucas Epp and his team from StructureCraft Builders Inc., who received the 2018 Structural Award for Outstanding Value. StructureCraft had submitted their new plant in Abbotsford which manufactures their dowel-laminated timber product for the North American market. The design of the new plant makes good use of dowel-laminated timber, an excellent new local product that is helping to reduce the cost of mass-timber structures. We should all be proud that this BC structure was acknowledged as the best-value building in the world last year.

The judges commented that the plant, at 4,800m², is a large factory and office structure for fabrication of timber panels. They recognized the importance of ensuring that the environment for the employees was warm and welcoming. The value of using dowel-laminated panels for the building fabric was clear –

in the tight tolerances achieved, the quality of the manufacture and the integration of architecture and services. They pointed out that the entire structure was built in a very impressive five days, and to a very tight budget. The judges thought that the different forms of timber used in its construction were a creative use of the material and particularly enjoyed the idea that an all timber building would be used to make timber for other structures. It's unusual to see a factory constructed fully from this sustainable, locally-sourced material.



StructureCraft Plant, Abbotsford, BC

2019 IStructE President

IStructE recently announced that Joe Kindregan, a consulting engineer from Kildare, Ireland, has been appointed 2019 President of The Institution of Structural Engineers. Previously head of the Department of Civil and Structural Engineering at the Dublin Institute of Technology, Joe has enjoyed a long involvement with the Institution, through service on its Board, Education Committee and Ireland Regional Group.

"I am truly honoured to be taking on the role of President of the Institution of Structural Engineers for 2019" said Joe. "The Institution's membership is spread over 100 countries and boasts some of the most innovative structural engineers working today, representing a profession that has made an essential contribution to the development of the world's most iconic structures. The future for structural engineers is likely to be both exciting and demanding as society tackles some of humanity's most pressing needs – from the effects of climate change, migration and increasing urbanisation to infrastructure deficits in the world's most disadvantaged areas – all while delivering cost effective and sustainable structural engineering projects. I look forward to promoting and highlighting the unique contribution to society and the built environment of our members."

Joe gave his inaugural address entitled *"Engineering Contributions to Humanity Through the Ages: Challenges for 2050"* at the Institution's headquarters in London on January 14. Addressing the in-the-room and on-line audience, outlined the work of structural engineers, acknowledging several key contributions. Joe noted the unprecedented challenges facing today's structural engineers stemming from technological change and social demands to combat natural hazards and highlighted the radically altered design approach advocated by the Institution's 2017 Gold Medalist Joe da Silva.

Calling for more new-materials research and development, Joe observed the impact of data on design and construction, the increasing use of artificial intelligence, and the need for smart analytics to help manage the Internet of Things. Turning to resource usage, Joe reported that we are currently using 170% of the world's sustainable

resources – a figure that will rise to a staggering 300% by 2050. Further challenges are posed by changes in demography and culture, talent mobility and the knowledge-based economy.

Pointing out that our profession can accommodate these challenges and can be turned into opportunities by forging a new direction for the structural engineer who will work across discipline interfaces. To do this we need a new direction for education – broader-based, focused on drawing out and developing creative talent from our natural problem-solving abilities.

Joe ended by pondering on what this means for the Institution. He believes that the "golden thread" weaving through all this is IStructE's drive to inculcate a life-long learning culture in its membership, commencing with education, underpinned by its competency test in achieving Chartered Membership. As he wrapped up his stirring and thought-provoking address, Joe noted that a member's further developments must embrace broad needs across the hard and soft skill areas.

It appears that Joe has set himself a lofty goal for his presidency, one that deserves our support. The 2019 President has the future of our profession very much at heart and we wish him every success in launching the new educational paradigm and creating the necessary institutional change.

You can view Joe's address at: [www.youtube](http://www.youtube.com/watch?v=...)



Joe Kindregan

Photo of the Month

Thanks to generous and talented SEABC members and local professional photographers, we are dressing up the SEABC website with a beautiful new photo every month. The photo lights up the home page and forms a header image for other web pages.

We recognise recent contributions:

- December: "BC Place, Vancouver, BC", by Michael Elkan Photography.
- January: "IABSE 2017 Harbour Cruise, Canada Place, Vancouver, BC", by Andrea Sunderland Photography.
- February: "Samuel Brighthouse Elementary School, Richmond, BC", by Fast + Epp".

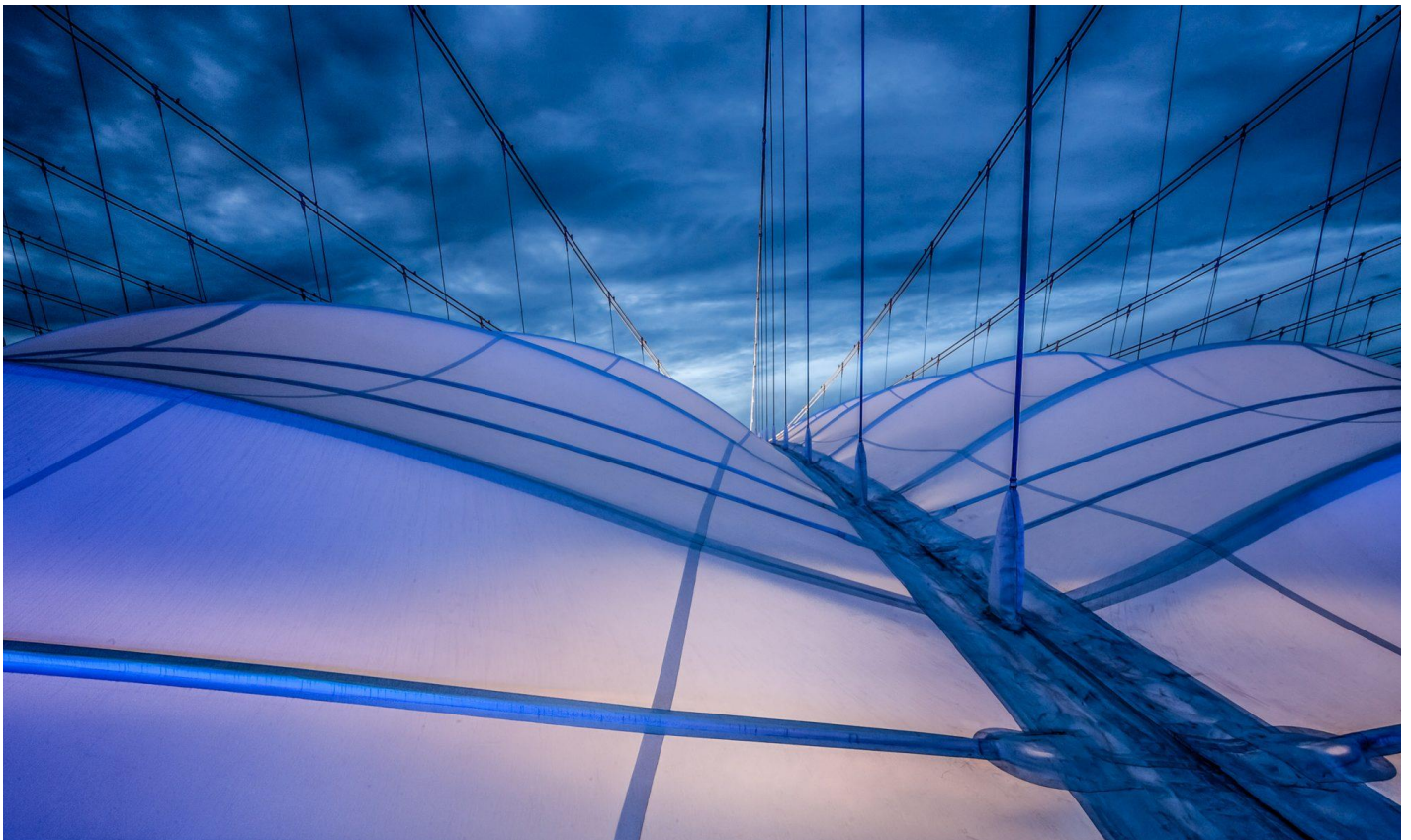
Want to contribute photos?

If you would like to feature a photo on the SEABC website, then please reach out to contact webmaster@seabc.ca.

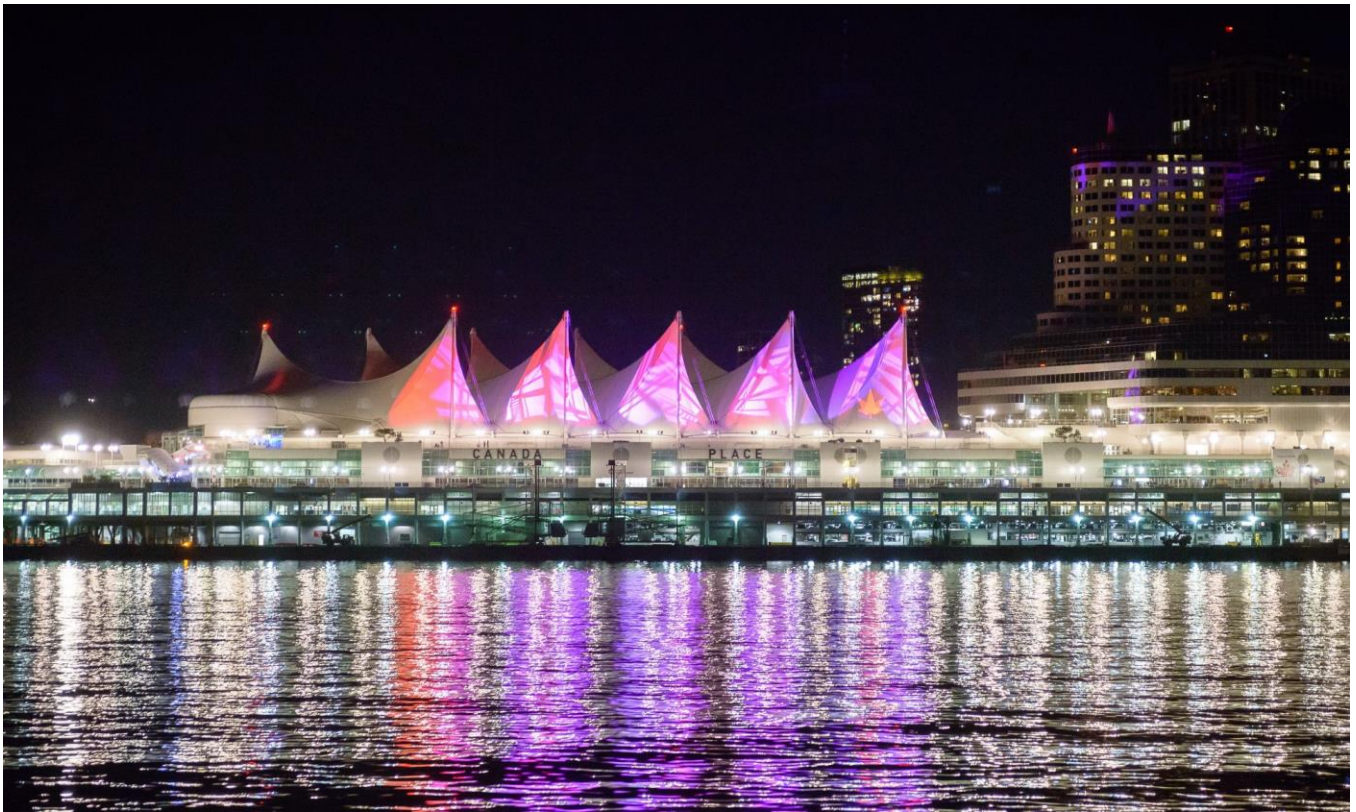
Photo requirements:

- Theme: Structural engineering, e.g. building, bridge, or structural detail.
- Local context: Structure located in British Columbia or designed by an SEABC member.
- Size: Landscape orientation with horizontal resolution of 2,000 pixels or more.

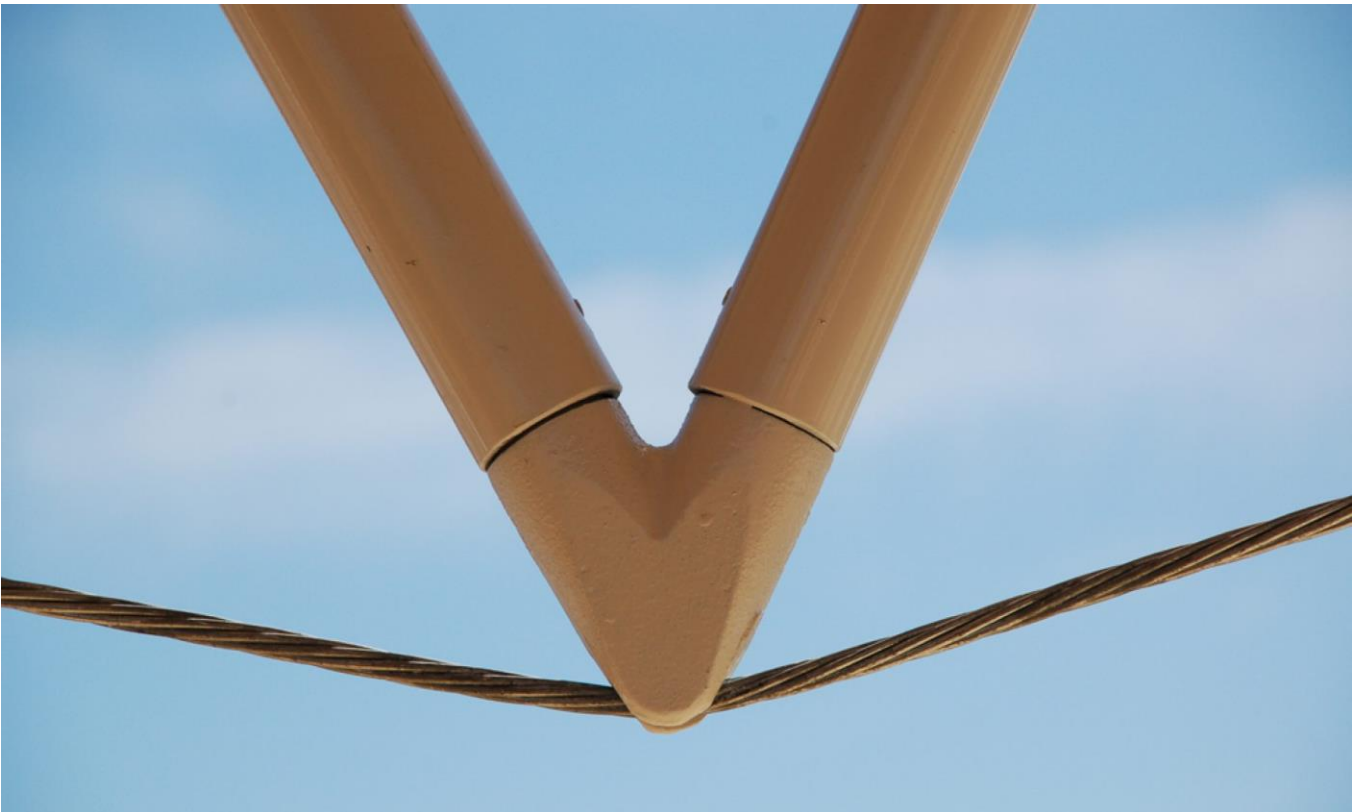
We will credit your firm (or you, if an individual) on the SEABC home page together with a link to your website.



BC Place, Vancouver, BC, by Michael Elkan Photography



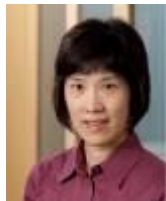
IABSE 2017 Harbour Cruise, Canada Place, Vancouver, BC, by Andrea Sunderland Photography.



Samuel Brighouse Elementary School, Richmond, BC", by Fast + Epp".

Items of Interest

Schedules to be used by Supporting Registered Professionals



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

Structural Engineering Services for Part 3 Building Projects

A revised version of *The Professional Practice Guidelines - Structural Engineering Services for Part 3 Building Projects* is now available on the Engineers & Geoscientists British Columbia website:

www.egbc.ca/getmedia

This version 4.0 published on January 29, 2019 is an update from the 2016 version. A new subsection *3.3.3-Building Permitting Stage* is added under *Section 3.3-Basic Structural Engineering Services*. The goal is to clarify the requirement/expectation for documents submitted for building permitting purposes.

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/

2019 Executive Board - Candidate for Elections

Below is the list of candidates standing for election to the Board of Directors for the 2019/2020 term. The list will be open for submissions until Wednesday, February 27, 2019 (seabc.ca/AGM) Election will take place at the SEABC Annual General Meeting on March 13. If required (e.g. there is a large number of candidates,) a ballot will take place, otherwise election will be by acclamation.



Perry Adebar, Ph.D., P.Eng., University of British Columbia

Professor in the Department of Civil Engineering at the University of British Columbia, Perry has served as a Director of SEABC for six years. If elected, Perry will continue to serve in that capacity.



Stanley Chan

A design engineer with Read Jones Christoffersen Ltd., Stanley currently chairs SEABC's Young Members Group. He has been involved with the Young Members Group since 2011 and has served as a Director of SEABC for one year. If elected, Stanley will continue to serve as a Director.



Paul Fast, P.Eng., Struct.Eng.

Managing Partner with the firm he founded, Fast + Epp Structural Engineers, Paul has served as a Director of SEABC for nine years. If elected, Paul will continue to serve as a Director.



Tejas Goshalia, P.Eng., SE

A Senior Associate with Stantec, Tejas has served as a Director of SEABC for six years and currently chairs its Education Committee. If elected, Tejas will continue to serve as a Director.



Adrian Gyga, P.Eng., Struct.Eng.

A Principal with his own firm, Gyga Engineering Associates Ltd., Adrian has served as a Director of SEABC for nine years. If elected, Adrian will continue to serve as a Director.



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

A Principal with Associated Engineering, David was a founding Director of SEABC. David currently chairs the SEABC Communications Committee and is currently serving as President. If elected, David will continue to serve in that capacity.



Cameron Kemp, P.Eng., LEED® AP, Past President

A Principal and Chairman of Omicron Canada Inc., Cameron was a founding Director of the SEABC. Having served five years as SEABC President, Cameron is currently Past President, and if elected, will continue to serve in that capacity.



Kitty Leung, P.Eng., Struct.Eng.

A structural engineering principal and manager, working for Vancouver-area firms, Kitty has served as a Director of SEABC for four years. If elected, Kitty will continue to serve as a Director.



Surinder Parmar, P.Eng., PMP

Manager- Portfolio Capital Projects with BC Hydro, Surinder was a founding Director of the SEABC and has served as Secretary/Treasurer since its inception. If elected, he will continue to serve as a Director.



Kevin Riederer, P.Eng.

Project Structural Engineer with Read Jones Christoffersen Ltd., Kevin has served as a Director of SEABC for four years and currently chairs the SEABC Technical Committee. If elected, Kevin will continue to serve as a Director.



Calvin Schmitke, P.Eng., Struct.Eng.

Director, Structural Engineering of Omicron Canada Inc., Calvin is standing as a new candidate for election to the SEABC Board. If elected, Calvin will serve as a Director.



Andrew Seeton, P.Eng.

An Associate with Aspect Structural Engineers, Andrew was a founding Director of the SEABC and former chair of its Education Committee. If elected, he will continue to serve as a Director.



John Sherstobitoff, P.Eng.

A senior structural engineer specializing in earthquake engineering and a Principal with Ausenco, John has been an SEABC Director for four years. If elected, John will continue to serve as a Director.

Mark Your Calendar

Upcoming Seminars/Webinars and Events

EERI 2019 Annual Meeting

Date: March 5-8, 2019

Time: 6:00 – 9:00 p.m.

Venue: JW Marriott Parq Vancouver

For more info: www.2019am.eeri-events.org/

SEABC Annual General Meeting

Date: Wednesday 13 March, 2019

Time: 4:00 p.m.

Venue: Emerald Ball Room at Fairmont Pacific Rim Hotel, 1038 Canada Place, Vancouver

For more info: seabc.ca/AGM

2019 Annual Dinner & Presentation

Date: Wednesday March 13, 2019

Time: Dinner and Presentation 6:00 p.m.

Venue: Emerald Ball Room at Fairmont Pacific Rim Hotel, 1038 Canada Place, Vancouver

For more info: seabc.ca/ADM

See brochure at end of newsletter

2019 SEABC Pinnacle Lecture

Date: Thursday March 14, 2019

Time: Refreshments 5:00 pm

Lecture: 5:20 pm - 9:00 pm (with half-hour break for boxed dinner and refreshments)

Venue: Fletcher Challenge Theatre at SFU Harbour Centre, 515 W Hastings St, Vancouver

For more info: seabc.ca/Pinnacle

See brochure at end of newsletter

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 Gygax, 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!

SEABC Annual Dinner Meeting & Presentation



Date:	Wednesday – March 13, 2019
Venue:	Emerald Ball Room at Fairmont Pacific Rim Hotel, 1038 Canada Place, Vancouver
Time:	5:30 pm - Social / Networking; 6:00 pm - SEABC President address, 3-course dinner, and Presentation
Keynote:	Mike Schlaich, Prof. Dr. sc.techn. Managing Director, schlaich bergemann partner, Germany
Registration:	seabc.ca/adm
Cost:	\$75+GST (SEABC Members), \$150+GST (Non-Members) Three-course plated dinner is included

Keynote Presentation:

Light Weight Structures – Demystified

Elegant, bold, sleek, barely visible, light weight - are some of the many attributes and compliments that Mike has garnered for his ingenious structural designs of buildings, towers, roofs, facades and bridges, throughout Europe, the North Americas, South America, Asia-Pacific, and the Middle East.

A specialist in lightweight structures, Mike is a firm believer in a holistic, conceptual design approach, and in the engineers' responsibility to contribute more to 'baukultur' - that is the concept of producing quality structures to improve quality of life. Emulating it with his continued academic engagement and research at the TU Berlin, Mike has created his unique brand of technical excellence. At the Annual Meeting, Mike will share some of his achievements – demystifying how research can be readily transferred into a routine practice of generating elegant light-weight structures.

Special Note: *Members are urged to also register for the March 14 Pinnacle Lecture wherein Mike will unfold his exclusive lecture on the history of structural engineering - its evolution, current trends & how to position for an ever optimized world of future.*



VW Autostadt, Wolfsburg, Germany



Excenterhaus Bochum, Germany



Roof for Palacio de Comunicaciones, Spain



Rathenow Pedestrian Bridge, Germany



Yamuna Bridge, Wazirabad, India



Mike Schlaich graduated with a Doctrate in Technical Sciences from ETH Zurich. He joined the esteemed structural engineering firm schlaich bergemann partner (sbp) in 1993. He is now its Managing Director, with six offices across the world, serving on prominent international projects and redefining engineering fundamentals with cutting edge research.

Mike is a certified proof checking engineer for structural analysis, a Professor at TU Berlin, and its Chair of Conceptual and Structural Design. He is a highly esteemed member of various international Professional Societies and was recognized as Fellow of Institution of Structural Engineers, London, UK.

Mike is recipient of numerous international awards, recently amongst them: the 2016 Deutscher Ingenieurbaupreis for the Rathenow Footbridge in Germany; and the 2015 Gold Medal by the Institution of Structural Engineers, London, UK.

REGISTRATION DEADLINE March 4, 2019



www.seabc.ca
E-mail: info@seabc.ca

SEABC's Pinnacle Lecture

HISTORY OF STRUCTURAL ENGINEERING ... LEADING TO FUTURE TRENDS

Date:	Thursday – March 14, 2019
Venue:	Fletcher Challenge Theatre at SFU Harbour Centre, 515 W Hastings St, Vancouver
Time:	5:00 to 5:20pm – Refreshments 5:20 to 9:00pm – Lecture ... includes half hour break for boxed Dinner + Refreshments
Presenter:	Mike Schlaich, Prof. Dr. sc.techn. Managing Director, schlaich bergemann partner, Germany
Cost including Dinner + Refreshments	Annual Dinner Meeting attendees: \$25 for SEABC members; \$85 for non-members Annual Dinner Meeting non-attendee: \$50 for SEABC members; \$85 for non-members Registration is required: seabc.ca/pinnacle

SEABC's Pinnacle Lectures epitomize high caliber topics by distinguished speakers on themes that shape the future of our profession. Our first Pinnacle Lecture will be presented by Mike Schlaich.

Throughout his career, Mike collaborated with the likes of Frank Gehry, the offices of Richard Rogers and Sir Nicholas Grimshaw, engineers like Ted Happold and Fazlur Khan to strive for excellence and elegance. His passion to elevate technical norms to deliver free expression of geometrical curves was influenced by Felix Candela and Frei Otto amongst others. Encapsulating his experiences in an inspiring lecture for students and professionals at TU Berlin, Mike unfolds an energizing view on the history of structural engineering - its evolution and current trends, aimed to revitalize for an ever-optimized world of future structures.

NOTE from Paul Fast: "Got snapshot of this lecture while visiting Mike in Berlin...this is a CAN'T MISS presentation!"

Limited seating is available, so register at the earliest to avoid later disappointment.



Christlicher Garten, Berlin, Germany



Footbridge Sassnitz, Germany



Study-review: 432 Park Avenue, New York



Mike Schlaich graduated with a Doctrate in Technical Sciences from ETH Zurich. He joined the esteemed structural engineering firm schlaich bergemann partner (sbp) in 1993. He is now its Managing Director, with six offices across the world, serving on prominent international projects and redefining the engineering fundamentals with cutting edge research.

Mike is a certified proof checking engineer for structural analysis, a Professor at TU Berlin, and its Chair of Conceptual and Structural Design. He is a highly esteemed member of various international Professional Societies and was recognized as Fellow of Institution of Structural Engineers, London, UK.

Mike is recipient of numerous international awards, recently amongst them: the 2016 Deutscher Ingenieurbaupreis for the Rathenow Footbridge in Germany; and the 2015 Gold Medal by the Institution of Structural Engineers, London, UK.

REGISTRATION DEADLINE March 4, 2019