



**Volume 65 • February 2024**

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## Message from the President



David Harvey, P.Eng.  
SEABC President

### Peer Recognition

One of the hallmarks of a profession is recognition of peers. SEABC has taken a low-key position in this regard, given that other organizations, including EGBC and ACEC-BC, have long-established award programs locally for both professionals and projects.

One of the few honours that the SEABC Board of Directors can bestow upon an individual is Life Membership. The criteria set for such recognition includes an 'outstanding contribution' to SEABC and the profession, normally over a considerable period of time – with the expectation that the contribution goes well above and beyond the call of duty. Award of such an honour is one of the most pleasurable duties that falls upon the SEABC President.

Recently, I had occasion to award life membership to John Pao. As many of you will be aware, John helped launch the Certificate in Structural Engineering Program (CSEP) in 2000 – a series of courses which has helped train many thousands of students and helped them become better structural engineers. The courses cover most aspects of structural engineering, including buildings and bridges. The courses are regularly updated and occasionally, courses are developed when new practices emerge.

On its formation in 2008, SEABC inherited the CSEP. Since then, the CSEP has gone from strength to strength, with ever increasing demand for programs, especially from on-line students. The CSEP has established many firsts, including its technical material geared to practitioner needs. With no similar program available anywhere else, the CSEP has seen increased interest from students outside of BC and internationally. SEABC's Education Committee has developed complementary educational offerings to avoid program overlaps.

I have had the good fortune to know John Pao for many years and constantly admired his commitment to advancing the profession. John has chaired the board which has guided and developed the CSEP – now in its 25<sup>th</sup> year – since its inception, and he continues to provide inspirational leadership.

Recently, the CSEP held a facilitated strategic insights workshop, to explore future program options. As an invited participant, I was hugely impressed by the dedication of the committee members present and their extensive service to the CSEP courses. I am amazed by the course leaders, notably Andy Metten, who has shown exceptional commitment by teaching structural steel design since the program began.

The workshop revealed a strong desire to see the CSEP continue to prosper, aided by recent growth in Continuing Education reporting, on-line program availability, and continuing pressure to reduce core content in civil engineering degree courses. (The workshop report is elsewhere in this newsletter).

It was with great pleasure that in front of his peers, I had the opportunity to present the award of Life Membership that the Board of Directors bestowed upon John Pao, in recognition of his dedication to the CSEP over the last 25 years.



*David Harvey congratulates Life Member John Pao*

John's outstanding professional service should serve to remind us of the importance of giving back to our profession. Not only do our younger colleagues learn from us – we learn from them. Are you interested in course instruction? Let the CSEP Board know!

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## Committee Reports

### Young Members Group



Lois Tso

E.I.T.

### YMG Capstan Station Tour

In this edition, the YMG Committee provides updates on the past winter social as well as potential future events. The UBC CSCE networking events and the successes of the UBC design teams are also highlighted. The SEABC YMG is proud to continue to support these opportunities for local young engineers.

If you would like to get involved with volunteering as a part of the YMG Committee, please feel free to reach out to us on any one of our social platforms linked below! All volunteers of any commitment level are welcome.

LinkedIn- [linkedin.com/company/seabc](https://www.linkedin.com/company/seabc)

Instagram- [instagram/seabc\\_social](https://www.instagram.com/seabc_social)

Email- [ymg@seabc.ca](mailto:ymg@seabc.ca)

### YMG Committee Winter Social



The YMG Committee had a productive brainstorming session and winter social on January 22nd. It was a dynamic opportunity for our YMG Committee to

review our mission statement and exchange new ideas. As we prepare for the 2024/2025 term, we have a few committee roles yet to be filled. We invite all enthusiastic young members who want to contribute to the YMG group to reach out to us.

### SEABC YMG Survey

The YMG Committee is extending an invitation to participate in our survey to gauge interest in starting a Designated Structural Engineer (Struct. Eng.) preparation study group and/or hosting an informative seminar outlining the application process. We would greatly appreciate it if you could please use the following Google Form linked below to let us know your feedback!

[forms/viewform](#)

### UBC CSCE Industry Night 2024

The UBC CSCE chapter hosted the annual Industry Night on Wednesday, January 24th from 5:30 pm to 9:00 pm. The UBC CSCE Industry Night is a networking event that aims to connect undergraduate civil engineering students at UBC with industry professionals. It provides an excellent opportunity for students to expand their network but also provides companies and professionals with an opportunity to share knowledge and experience with the next generation of engineers. Over 300 industry members and civil engineering students attended the event, with all 25 of the event's company sponsors also present.





## UBC CSCE Speed Networking 2023

Speed Networking was a great opportunity for students to meet industry members in the civil engineering field and potentially find their next job opportunity! The CSCE would like to thank all of their sponsors, and also the industry members and students that joined in at the event! The UBC CSCE appreciates all the support and is looking forward to more networking opportunities and events in 2024!



## UBC Design Team Updates

The UBC Civil Engineering design teams racked up many awards this year both in national and international level competitions. Below is the list of awards achieved by the students. Congratulations!

- EERI Seismic Design Team: 1st place in Final Annual Building Income in the EERI Seismic Design Competition
- Steel Bridge Team: 3rd Place in the Canadian National Steel Bridge Competition
- Third Quadrant Design: 3rd place in the Build Challenge of the 2023 US Department of Energy Solar Decathlon

## On the Web



Ricardo Ruiz,  
B.Sc., M.Sc.

The first two months of 2024 are off to a great start!

1. SEABC event postings and registrations through the website:
  - Vancouver Island Branch – Impacts of Long Duration Earthquakes Seminar on Jan 26, 2024. It was a very successful hybrid event with over 80 in-person and online attendees. New for this event – Certificates of Attendance will be issued soon, which can be used for claiming Professional Development Hours. The video recording of the webinar will be posted on the website!
2. Annual General Meeting 2024 has been scheduled on March 4. Members can get all the details and register for this online event at: [seabc.ca/event2024-agm](https://seabc.ca/event2024-agm)
3. 2024 Pinnacle Lecture and Dinner has been scheduled on March 6 at the Sutton Place Hotel.
  - The topic for the Lecture is Timber Construction, Low Tec – High Touch and will be presented by Konrad Merz.
  - Limited spots are available for this in-person event so members and guests should register as soon as possible.
  - For more details and to register, go to: [seabc.ca/event/pinnacle-lecture](https://seabc.ca/event/pinnacle-lecture)
4. The SEABC January 2024 Term started on Jan 9 and continues until April 4, 2024. The April 2024 Term has already been scheduled – go to: [seabc.ca/certificate-program](https://seabc.ca/certificate-program) for the details.
5. SEABC November 2023 Newsletter has been published and available on the website at: [seabc.ca/news/newsletter](https://seabc.ca/news/newsletter). The October and November Board Meeting minutes are available at: [seabc.ca/meeting-minutes](https://seabc.ca/meeting-minutes)

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## IStruct E News



David Harvey, P.Eng.  
SEABC President

Post-pandemic, IStructE is finding its own 'new normal' with in-person, on-line and hybrid activities now in full swing. Exams (two each year) continue to be held in centres around the world much as before; however, work continues to develop an on-line version of the Chartered Membership exam for use in future years. Starting this year, candidates are required to be familiar with carbon accounting. The Institution has on-line training and assessment sessions which exam candidates are required to pass.

With each new year's arrival, a new president is elected. For 2024, the Institution has announced a successor to outgoing president Matt Byatt – Tanya de Hoog. Tanya was born in the United States, grew up in Australia, and spent 25 years working on complex, signature projects in London. Since 2019, Tanya has moved back to the US. Tanya's address took place on January 18<sup>th</sup> and can be viewed at:

[www.istructe.org/tanya-de-hoog](http://www.istructe.org/tanya-de-hoog)

An interview with Tanya is here:

[www.istructe.org/profile-tanya-de-hoog](http://www.istructe.org/profile-tanya-de-hoog)

Council meetings take place once per year in-person, at headquarters in London, with three other Council briefings and workshops taking place on-line. The in-person meeting took place this year in January and was timed to coincide with the presidential address.

This turned out to be an excellent arrangement which enabled council members attending the meeting to also take in the new presidential address. Those attending, myself included, were treated to an inspiring address by President Tanya, who described her career highlights, before launching an impassioned plea for all of us to commit to aligning our values to making a positive global impact.

## 2024 IStructE President

Tanya de Hoog FISTructE, CEng, MIEAust is the 103rd and fourth woman President of the Institution of Structural Engineers. An experienced and talented structural engineer, Tanya has delivered high profile and complex projects around the world including world-class sporting venues such as the Oval Cricket Ground in London and Lisbon's Benfica Football Club. Tanya describes the design of a new roof over Wimbledon No 1 Court for the All England Lawn Tennis Club, as one of the high points in her career.

Tanya has a Masters in Interdisciplinary Design for the Built Environment from the University of Cambridge, and graduated from the University of Wollongong with a B.Eng. in Civil Engineering.

Tanya plays a proactive role at IStructE, where she was elected as a Member in 2003, and became a Fellow in 2014. This was followed by election to IStructE's board in 2016.

## Stop Press

Tanya De Hoog will be visiting Vancouver, March 22 to 25, 2024. Look out for announcements.



*Tanya de Hoog, 2024 IStructE President*

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# Book Review for the Structural Engineer

## Design Trails: Adventures of a Structural Engineer by Paul Fast

### Review by Tim Ibell

Professor Tim Ibell is Dean of the Faculty of Engineering and Design at the University of Bath. He is a former President of IStructE, and a former Chair of the joint Board of Moderators.

Most books devoted to structural engineering focus on the techniques and processes which underpin great structural engineering. But this book is different. Very different. *Design Trails: Adventures of a Structural Engineer* by Paul Fast focuses on the human stories behind great structural engineering. The reader is offered the privilege to enter Paul's life, and to experience the delightful and intimate sets of adventures which have cumulatively led to Paul's extraordinary success in our profession.

I have stated before that the dividing line between the Gold Medallists of our Institution and the rest of us is astonishing creativity in all they do. As one of our Gold Medallists, Paul oozes creativity, and his book reveals the stories behind this wonderful talent.

The reader quickly picks up that Paul's adoration for life's simplest but most precious attributes such as nature, family, friends and having ideas completely underpins his approach to, and success in, structural engineering. From Gulpy the Whale (don't ask, just read it) to the restoration of Mannheim, the book provides an insight into the mind of an extraordinary designer and inventor – a great engineer, in other words.

Anyone who knows Paul or his work will know that he is one of the world's leading structural-timber designers. The book crams in a vast array of Paul's wonderful creativity in timber engineering, exquisitely photographed by one in his talented family. The global move amongst structural engineers and architects to timber for all the right reasons is accelerating, and Paul is far ahead in this game. At its heart, this book is really about celebrating living wood and structural timber in

equal measure. If you are looking for inspiration about how to use timber in your designs, then this book is for you. Interspersed with this inspiration is a set of stories about Paul's family's interactions with the life of the timber when it was living wood. It extrapolates the 'merely brilliant' use of timber – we all love a good story, after all.

There is a fabulous quote cited in the book by Antoine de Saint-Exupéry, which needs to be placed in the context of being from a less inclusive era: "A designer knows he has achieved perfection not when there is nothing left to add, but when there is nothing left to take away". This completely exemplifies the work of Paul, and the basis of all examples in the book.

Amongst the exquisite photographs of extraordinary structures, the imagery includes many simple, but illuminating, sketches and photographs depicting key underpinning structural principles to demonstrate what lies at the heart of the final complex-looking outcome. This explanation is gold dust for the reader, explained so beautifully.

The 'Disappointments' chapter is phenomenally important to a student, of any age, of structural engineering. Often, when someone at the top of their game is spoken about, the temptation is to believe that all they have touched has turned to gold, and that their path has somehow been easy. This chapter slices through this so wonderfully and brings Paul closer to the 'normal' reader. Disappointments are discussed in terms of positive lessons learned and, indeed, exploited years later. Brilliant, and humble.

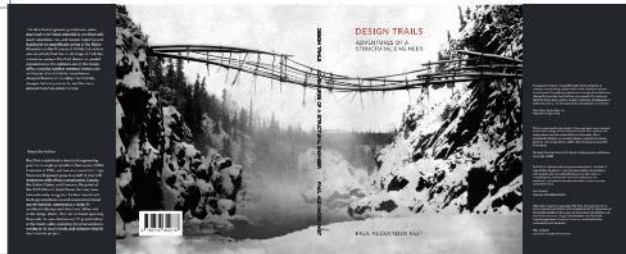
A great lesson for all of us is to invite oneself to talk to the greatest engineers and architects of our generation. Paul did this earlier in his career and became inspired. His heroes said yes to meeting him, and he learned bags. For free! Try this....

Paul tells the story about using his own hands to build his log cabin in a snowy landscape. It is hard to imagine anything more stereotypical about British Columbia! It demonstrates so clearly that Paul is far more than merely a designer. Chris Wise is known for categorising design-team members into one or more of 'Philosopher', 'Artisan' or 'Artist'. Paul is all of the above, and the book offers insights and ideas to all three types of reader.

In short, this is a delightful, inspirational book for any structural engineer wanting to use our natural resources beautifully, with respect and with the greatest skill. Please read it.



*Design Trails author Paul Fast*



## Call for Presenters 2024 Engineers and Geoscientists BC Annual Conference

Calling all industry experts, thought-leaders, innovators, technology experts, and professional speakers!

Engineers and Geoscientists BC is excited to announce our 2024 Annual Conference will be held in person and live streamed\* on October 16-18, 2024, at the Vancouver Convention Centre in Vancouver, British Columbia.



Engineers and Geoscientists BC Annual Conference is the premier event for engineers, geoscientists, technologies, academia, government representatives, industry leaders and other members of the community across British Columbia and beyond. Do not miss your chance to steer the conversation! Submit your proposal before the March 15, 2024, deadline for the opportunity to share your research, experiences, and best practices with the professional community.

We are seeking submissions that will focus on innovation, technology, leadership, and communication, while supporting registrants in maintaining their competency to fulfill their duty to protect the public and the environment with respect to the practices of engineering and geoscience.

Submit your proposal through our online form by March 15, 2024.

\*Live stream option is still to be confirmed

For more information, please email:  
[conference@egbc.ca](mailto:conference@egbc.ca)





## CSEP Strategic Insights Workshop



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

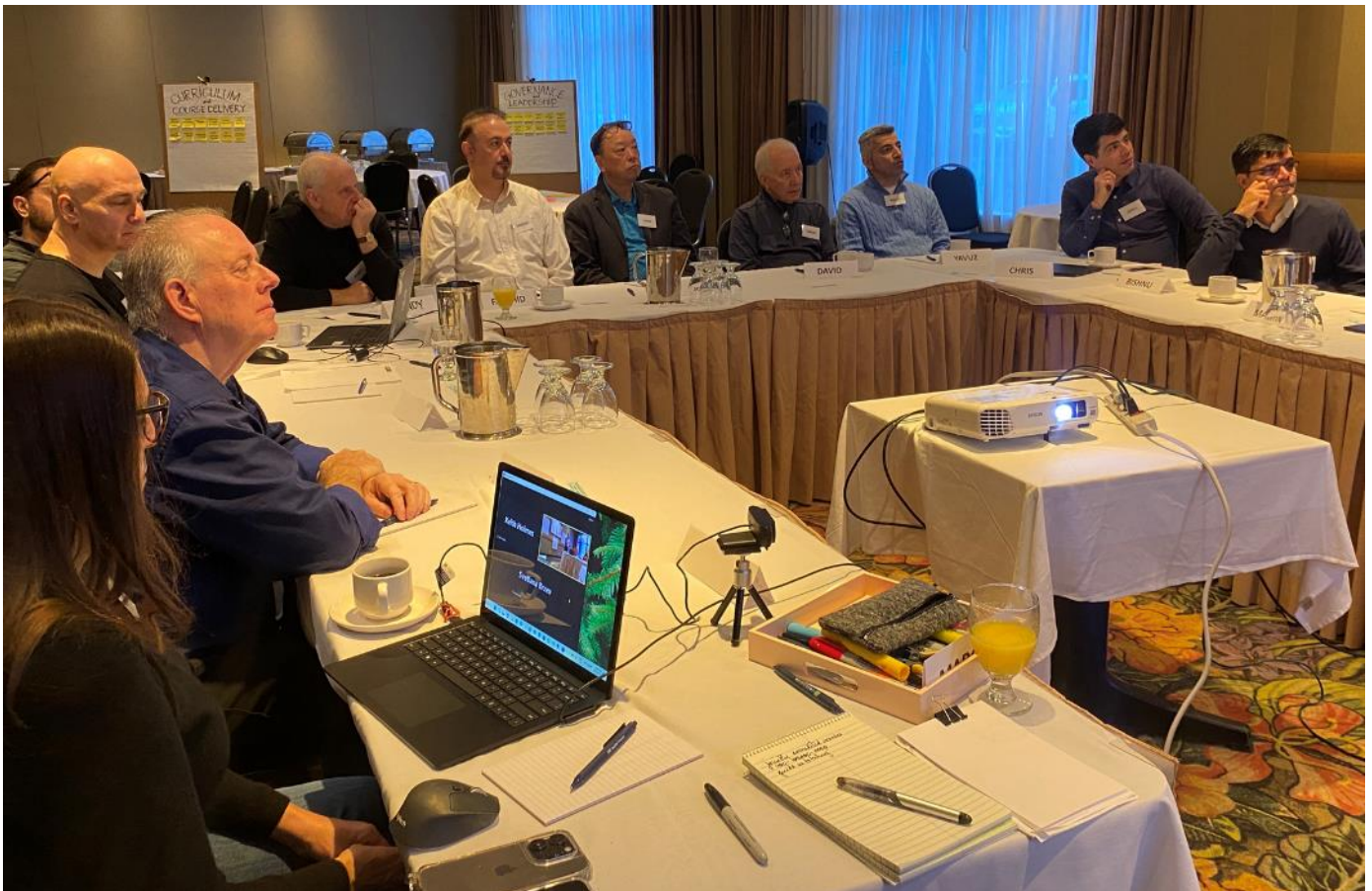
As I messaged earlier, the Certificate in Structural Engineering Program (CSEP) has been a huge part of SEABC's success story – and one of which SEABC is immensely proud. Many local structural engineers have benefitted from the knowledge gained from participation in the CSEP and demand for courses has never been higher.

Kudos then to John Pao and the CSEP Board of Directors for their wisdom to consider how to develop the program to suit future needs. This took

the form of a strategic insights workshop, organized by visioning consultant, Margot Paris and facilitated by Greg Oyehtart of Epic Strategy Group. Participants included current and former program directors and interested parties. Margot and Greg proved to be excellent at keeping the workshop focused and on schedule, while ensuring that all opinions were aired on how the CSEP should look in the future.

The workshop revealed strong enthusiasm for growing the CSEP to meet increasing demand, especially for on-line participation. The top four key objectives were identified for further action. The next step is to prepare a strategic implementation plan to enable the CSEP to grow and prosper.

I feel privileged to have been invited to attend the workshop and am optimistic that the CSEP Board of Directors have the future of the program very much in hand.



*Workshop Participants Helping to Plan the Future of the Certificate in Structural Engineering.*



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## Executive Board 2024 Candidates for Election



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

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



### **Armin Bebamzadeh, Ph.D., P.Eng.**

A Research Associate and Instructor at the Earthquake Engineering Research Facility, University of British Columbia, Dr Bebamzadeh is standing for election to the SEABC Board. If elected, Armin will serve as a Director.



### **Robert Bourdages, P.Eng., SE, LEED® AP**

A Principal with Stantec, Robert is standing for reelection to the SEABC Board, having served as a Director of SEABC for four years. If elected, Robert will continue to serve as a Director.



### **Stanley Chan, P.Eng.**

A design engineer with RJC, Stanley is a past chair of 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 six years. If elected, Stanley will continue to serve as a Director.



### **Tim Dunne**

Tim is the founder and principal of Dunne Enterprises Ltd and has served as a Director of SEABC for one year. If elected, Tim will continue to serve as a Director.



### **Daniel Gao**

A structural engineer with RJC, Dan currently serves as Chair of SEABC's Technical Committee and Vancouver Island Branch. Dan is standing for election to the SEABC Board. If elected, he will serve as a Director.



### **Tejas Goshalia, P.Eng., SE**

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



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

A Principal with Associated Engineering, David is a founding Director of SEABC. David currently chairs the SEABC Communications Committee and has served as President for eight years. 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 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 nine years. If elected, Kitty will continue to serve as a Director.



### **Colin MacLeod, P.Eng.**

Colin is a Senior Project Manager, Alternative Delivery, with AECOM. Colin has served as a Director of SEABC for one year. If elected, Colin 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 SEABC and has served as Secretary/Treasurer since its inception. If elected, Surinder will continue to serve as a Director.



### **Kevin Preston, P.Eng.**

A facade structural specialist with Morrison Hershfield Ltd, Kevin has served as a Director of SEABC for two years. If elected, Kevin will continue to serve as a Director.



### **Kevin Riederer, P.Eng., Struct.Eng.**

Principal Structural Engineer with RJC, Kevin has served as a Director of SEABC for nine years and is a former chair of SEABC's 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 has served as a Director of SEABC for five years. If elected, Calvin will continue to serve as a Director.



### **Andrew Seeton, P.Eng.**

Structures Engineer with the City of Vancouver, Andrew is a founding Director of SEABC and former chair of its Education Committee. If elected, Andrew 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 nine years. If elected, John will continue to serve as a Director.



The SEABC Annual General Meeting will take place online on **Monday March 4<sup>th</sup> at 5.30 pm**. Look out for announcements in your mailbox.





## Rock Anchors are Versatile

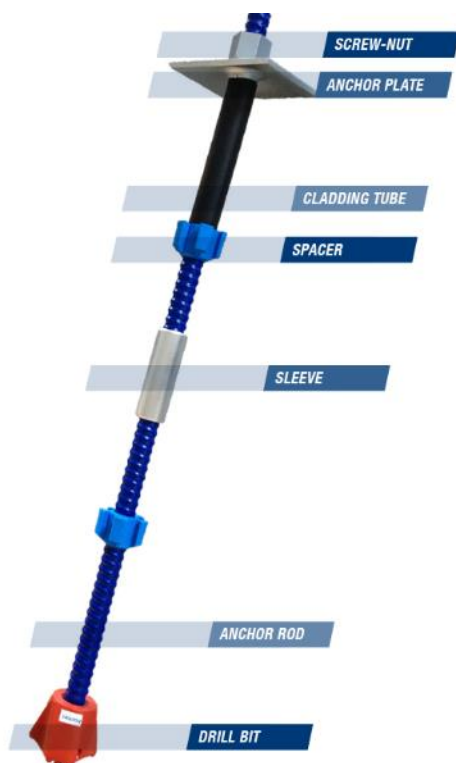


Robert Bourdages, P.Eng.  
LEED AP

Rock anchors are commonly used in a variety of earth retaining and slope stabilizing applications. They can also be used for other applications where anchorage and post-tensioning is required.

A port project in the Caribbean is doing just that. Rock anchors are oriented vertically and are used to connect precast elements together and secure them to the seafloor.

Piers can be subjected to heavy and even extreme loading such as large waves from tropical storms, earthquakes, lateral earth pressures, currents, mooring, and berthing. Rock anchors are a convenient way to provide connectivity and global overturning and sliding stability.



KSB®  
K = Kuchler / SB = Self-drilling anchor

© Kuchler 2022

Figure 1 Rock Anchor Assembly (Provided by Kuchler)

Once the precast elements are stacked, rock anchors are placed vertically through precast cylindrical block-outs and are drilled through sub-base material and then into the dense seabed material. The anchor drilling bits can readily penetrate the material below the foundation and secure the structure to the seabed.

The anchors are high-strength steel threaded cylinders – the center void is used for simultaneous grouting. The anchor is advanced with a rotary percussion drill. The annular space between the anchor perimeter and block-outs (precast elements) or sounding soil/rock are also filled with grout, allowing for continuous bond and corrosion protection.

Anchors are then stressed and secured with a screw nut and anchor plate. They can achieve impressive working loads, on the order of 960KN for an anchor having an outside diameter of 75mm and wall thickness of 12.5mm.

The prestress effect allows for precompression of the assembly for predictable and integral behavior. Rock anchors are an impressive technology that can do much more than provide retention of soil and slope stabilization.

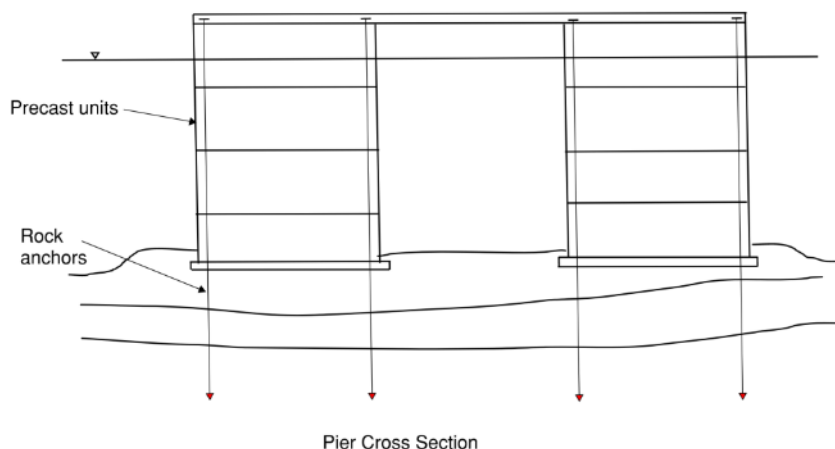


Figure 2 Pier Concept as envisioned by the designer, WSP

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# Certificate in Structural Engineering Program



Shannon Remillong,  
CSE Program  
Co-ordinator

## Registration for the summer term is now open!

We look forward to welcoming students into the classroom at UBC Robson Square this April 2024, while simultaneously offering the online format.

**THREE courses** will be offered **Live Webcast**, with selected courses simultaneously offered **In-Person** at the UBC Robson downtown campus. Courses will be Tuesday or Thursday evenings beginning the week of April 9 and ending the week of July 4, 2024.

## The following courses will be offered April 2024 Term:

- **C6** Dynamic Analysis of Structural Systems
- **E30** Soil-Structure Interaction in Earthquake Design: Theory and Practice- NEW COURSE!
- **E23** Performance-based Design of Tall Buildings – NEW REVISED COURSE!

Course outlines are available: [seabc.ca/certificate-program](https://seabc.ca/certificate-program)

Registration details: [seabc.ca/certificate-program](https://seabc.ca/certificate-program)

## Important Dates:

- Registration open: Monday, February 12, 2024.
- Early-bird deadline: Friday, March 15, 2024.
- Registration will remain open until Tuesday, April 9, 2024.
- First lecture: week of April 9, 2024.
- Last lecture: week of July 4, 2024.

- Withdrawal Deadline: Monday, April 22, 2024.

## Course Fees and Discounts:

- Classroom (UBC Robson) \$500 + GST.
- Live webcast \$700 + GST
- Early-bird discount of \$50 per course applicable until Friday, March 15, 2024.
- SEABC Member's discount of \$50 applied at registration.

*Courses will fill up fast so make sure to register early and take advantage of the savings!*

## Mahmoud Rezai Scholarships

This year at the **SEABC Annual Dinner and Pinnacle Lecture on March 6, 2024**, the Certificate Program Executive Committee will award the annual \$1,000.00 Mahmoud Rezai Scholarships to six outstanding students who have taken a minimum of 2 courses over 2 consecutive years, with the highest-grade point average. The six students who have accomplished this goal between years 2021- 2023 are:

- Gursarbjot Singh (MG Engineering Inc, Vancouver)
- Eric Vander Hoek (Fast & Epp, Vancouver)
- Bernardo Garcia Ramirez (RJC, Edmonton)
- Gregory Vettese (SEG Consulting, Burnaby)
- William Wong (Previously Timber Engineering, Vancouver)
- Afaq Ahmad (Weiler Smith Bowers, Burnaby)

The Executive Committee would also like to congratulate the following who have recently graduated from the SEABC Certificate Program, successful completing 12 courses:

- Doug La Prairie (Strake Engineering, Newfoundland & Labrador)
- William Wong (previously Timber Engineering, Vancouver)
- Afaq Ahmad (Weiler Smith Bowers, Burnaby)

**Congratulations everyone, well done!**

Shannon Remillong, Certificate Program  
Administrative Assistant, [courses@seabc.ca](mailto:courses@seabc.ca)

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## President's Notes



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

### EGBC Assessors

Engineers and Geoscientists of British Columbia (EGBC) are seeking qualified assessors of applicants for registration in the structural engineering discipline. At present there is a shortage and applicants are now waiting longer than previously. If you are interested in assessing applicants, please call EGBC's Ben Tester:

[btester@egbc.ca](mailto:btester@egbc.ca)

I feel privileged to have volunteered for the current Credentials and former Registration Committees since 2012 and have assessed many applicants. This is an excellent way to give back to the profession and at the same time help young structural engineers take a big step forward in their careers. Hard work, but I'd recommend it to anyone with an interest.

### SEABC AGM 2024

Kindly note that the 2024 AGM is fast upcoming. This year's AGM will once again be an on-line Zoom meeting. Registration is required to participate. Check out the Events page on the website where members can register and find reports. Members can ask questions, make motions (with prior notice) and elect directors to the SEABC Board. The meeting will commence at 5.30 pm on Monday March 4<sup>th</sup> and is expected to last about 45 minutes.

[seabc.ca/event/2024-agm](http://seabc.ca/event/2024-agm)

### SEABC Pinnacle Lecture 2024

The 2024 Pinnacle Lecture will feature keynote speaker Konrad Merz, founding principal of Merz-Kley Partner. Konrad's presentation is entitled Low-

Tec – High Touch, in which he explores the structural design of wooden buildings. Konrad has worked for a Swiss glulam manufacturer, a Canadian producer of engineered wood products, and has a master's degree in wood construction.



*Konrad Merz*

The Pinnacle Lecture will be a dinner meeting at the Versailles A Ballroom at the Sutton Place Hotel, Burrard Street on Wednesday March 6<sup>th</sup> commencing at 5 pm for networking and 6 pm for dinner. Join us for a really great event.

[seabc.ca/event/pinnacle-lecture](http://seabc.ca/event/pinnacle-lecture)



*Sutton Place Hotel*



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## Mark Your Calendar

### 2024 Annual Dinner and Pinnacle Lecture

**Date:** Wednesday, March 6, 2024

**Location:** Ballroom Versailles-A, Sutton Place Hotel,  
845 Burrard Street, Vancouver

**Time:** 5:00 PM Networking

6:00 PM Dinner

**For more info:** [seabc.ca/event/pinnacle-lecture](https://seabc.ca/event/pinnacle-lecture)

### Writing Effective Emails

**Date:** Wednesday, March 13, 2024

**Location:** Webinar

**Time:** 8:00 AM–8:30 AM Pacific Time: Registration  
and Login

8:30 AM–11:00 PM Pacific Time: Webinar

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

### Application of Artificial Intelligence (AI) in Mine Wastewater Treatment

**Date:** Thursday, March 21, 2024

**Location:** Webinar

**Time:** 8:45 AM–9:00 AM Pacific time: Registration

9:00 PM–11:30 PM Pacific time: Webinar

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

### Hydrotechnical Design of Hydropower Facilities

**Date:** Wednesday, April 3, 2024 – Friday April 5, 2024

**Time:** 8:15 AM – 8:30 AM Pacific Time Registration

Day 1-3 8:30 AM 4:30 PM Pacific Time Day 1-3

Webinar

**Location:** Webinar

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

## Upcoming Seminars, Webinars and Events

### Two – Dimensional Modeling Using HEC- RAS

**Date:** Tuesday April 16, 2024 – Thursday April 18,  
2024

**Location:** In Person Vancouver BC

**Time:** 7:30 AM–8:00 AM Pacific Time: Registration  
and Breakfast Day 1-3 8:00 AM–5:00 PM Pacific Time  
Seminar Day 1-3

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

### Leadership: The Art of Influencing

**Date:** Wednesday April 17, 2024, Thursday April 18,  
2024

**Location:** In Person, Vancouver BC

**Time:** Day 1 and 2 Registration and Breakfast, 8:00  
AM–3:30 AM Pacific Time.

8:30 AM–4:30 PM Pacific time: Seminar

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

### Leading and Managing Organizational Change

**Date:** Monday, May 6, 2024

**Location:** Webinar

**Time:** 8:00 AM-8:30 AM Pacific time: Registration  
and login

8:30 AM-4:00 PM Pacific time: Webinar

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

### Introduction to Hydrogeology and Groundwater Management

**Date:** Thursday, May 30, 2024

**Time:** 8:00 AM – 8:30 AM Pacific Time Registration  
and Breakfast 8:30 AM 4:30 PM Seminar

**Location:** In Person Vancouver BC

**For more info:** [egbc.ca/Events](https://egbc.ca/Events)

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# 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](http://www.seabc.ca).

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

- Committee Chair: David Harvey
- Newsletter Editor: Catherine Porter
- Editorial Assistant: Mark Budd
- Webmaster: Ricardo Ruiz

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](mailto: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.

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