



Newsletter

Volume 33 • February 2016

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Message from the President



Cameron Kemp, P.Eng.
SEABC President

We do not work alone

Structural engineers do not work alone, rather they are part of a larger team that must work closely with each other to ensure that not only does the structure perform adequately but that the structural system integrates well with the other systems in the building.

Over the last few days I have seen a number of photographs of tilted buildings (often still intact) following the recent earthquake in Taiwan. These buildings have obviously suffered catastrophic foundation failure. The photographs I have seen do not reveal enough to indicate why their foundations failed.

Unfortunately over the years I have seen quite a few of these types of photographs with tilted buildings either still fully intact or partially collapsed.

Either the geotechnical engineer, the structural engineer, the builder or a combination of all three failed in designing and constructing a building whose foundations did not fail first. Successful structures require not only competent design of the structural components but also careful collaboration with the other associated disciplines to ensure that all aspects of the building design and construction are sound.

Soil structure interactions, particularly during strong seismic events, require careful discussion, analysis and problem solving to ensure that any site remediation/preparation and the building's foundation system work well together. Deep-seated soft soils or areas prone to liquefaction are examples of site conditions where close coordination and collaboration between the geotechnical engineer and the structural engineer is essential.



The other aspect of a building's design that requires close collaboration between the structural engineer and his colleagues is in the interstitial spaces between floor levels; these areas must be carefully coordinated with architectural finishes as well as mechanical and electrical utilities to ensure that everything fits and that there is ease of access for maintenance. All too often this close coordination is given cursory attention resulting in major difficulties during construction.



As the structure is the skeleton for the building from which everything else is supported structural engineers needs to work collaboratively with the other design professionals to ensure that the building's foundation and structure are capable of carrying all of the vertical and lateral loads they will see during their lifetime as well as coordinating carefully to ensure that the building skin and utilities are accommodated in a practical and efficient manner.

We need to keep reminding ourselves; **we do not work alone.**

Committee Reports

Education Committee



Tejas Goshalia, P.Eng., S.E.
Director SEABC

On February 2nd, SEABC brought to the membership an interesting evening seminar on the High-Performance Structural Systems for Seismic Applications presented by Professor Dr. Tony Yang, P.Eng, PhD, Associate Professor at UBC Dept. of Civil Engineering, who has been involved with recent research on this topic.

After presenting the background on the different types of currently available seismic energy dissipating systems, it was easily rationalized how the one-solution-fits-all is a philosophy of the past.

Research and understanding of structural dynamics has evolved to the point where we are now able to tailor affordable fuses to the desired seismic performance levels.

Tony introduced the concept of Equivalent Energy-Based Design Procedure (EEDP) – and how it allows engineers to select their structure's performance objectives for different levels of seismic shaking intensities. With his example on the Linked Column Frame (LCF), Tony explained how this methodology reallocates the cost, material and damage from a ductile moment frame's beam/column/joint to the

specially provided high-performance relatively small and inexpensive fuses. He also presented the example of Fused Truss Moment Frames ideally suited for long-span truss type structures by introducing fused knee-brace elements. Tony emphasized the simplicity of this design process lies in its ability to allow engineers to perform calculations without iterations.

This topic has much potential for further research, advances and innovations revolutionizing our fight against the challenges posed to us by earthquakes.

As usual, though this seminar was not video-recorded, its power-point slide presentation will be made available on the SEABC website very soon.



Professor Dr. Tony Yang



A Captive Audience

Technical Committee



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

The Guard Design Task Group is in the early stages of efforts to update the Guard Design Guidelines published by SEABC. This was prompted in part by a request from APEGBC that further guidance be given to engineers designing glass guards, specifically with respect to requirements for a top rail. The Task Group is set to begin meetings in early 2016.

Members of various Technical Subcommittees also recently provided input on a number of issues where APEGBC sought the recommendation of SEABC. These included:

- Guidance on what components or systems are acceptable to be used for tension loads where 'drop-in' anchors have traditionally been utilized. Specifically with regards to NBCC Clause 4.1.8.18(8)(d)
- Providing a position with regards to the separation of Gravity Load design and Lateral Load design in Part 9 buildings using the prescriptive requirements of Part 9, Good Engineering Practice, and/or Part 4
- Updating and clarifying the Technical Bulletin published by SEABC titled "Fire Rating of Seismic Bracing."

Anyone with interest in participating on a Technical Subcommittee 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

Do you enjoy reading this newsletter? Many SEABC members tell us they do.

We always appreciate our members contributing articles or photographs to the newsletter describing their professional activities or interests. Working to inform readers about our engineering designs or research helps raise our professional profile, and may help inspire others to follow suit. Contributions from structural engineers are always interesting and we want to see more. Give it a go!

Kindly send information for publication to:

newsletter@seabc.ca

– We will certainly try to publish as many submissions as we can.

Young Members Group



Nick de Ridder, P.Eng.
YMG Member

In February this year, the YMG will be hosting their 5th annual "So You Think You Can Give a Seminar" competition. We enjoy organising this event which allows young members to hone their presentation skills. Public speaking ability can be key to a successful career as individuals progress into more senior positions. This is one of the goals of the YMG - developing initiatives to benefit young members. We meet as a group every six weeks or so to discuss the YMG's goals and how we are achieving them.

In this newsletter I thought we could use the opportunity to remind readers what our goals are and the reason that we exist as a group. In the November 2008 Newsletter, Kevin Riederer wrote

the first “Young Members” column, which was a call to those hoping to form a group. The description he gave was:

“... the functions of this group would include: developing initiatives to benefit young members, organizing professional development seminars, undertaking out-reach initiatives, and hosting networking opportunities and social events.”

We still abide by these four principles. Along with the presentation competition this year, we are planning a seminar on collaboration between the engineer and architect. We also offer a bi-annual seminar on obtaining your P.Eng. and we often plan tours of local projects (tunnelling through Burnaby Mountain, Telus Garden), or host hands-on demonstrations (Hilti products). We try to promote structural engineering with students and the general public through events like the local elementary school Science Fair at UBC, or partaking in Earthquake Day at the Vancouver Public Library.

All our events have a social aspect to them. Just participating in group activities allows a person to meet other engineers in the City, with members representing Associated Engineering, Equilibrium, Fast + Epp, Glotman Simpson, RJC and SNC- Lavalin among others.

As we enter a new year, we will continue to work diligently in achieving our goals and constantly looking for ways to improve our events, start new ones, and keep developing initiatives to benefit young members.

On the Web



Stephen Pienaar, P.Eng.
Webmaster

New Website

The long-anticipated new SEABC website is yet again delayed. The project has met strong headwinds in the form of integration complexity and limited volunteer hours. We are looking at the option of employing a professional web developer to complete the project in coming months.

Current Events

New on the SEABC website:

- **February 24: So You Think You Can Give a Seminar?**
Annual presentation competition by the Young Members Group to be held on www.seabc.ca/events
- **March 10: Annual General Meeting, Dinner and Presentation.**
Keynote address by Tristram Carfrae, Deputy Chairman and Fellow at Arup
www.seabc.ca/agm
- **Be first the first to know:**
Join our **Twitter feed** for announcements for SEABC events.
www.twitter.com/seabc

Please contact webmaster@seabc.ca with any website suggestions or questions.

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 items of technical interest.

2015 Branch Executive:

Branch Exec: Thor Tandy, Dan Weber, Dan Gao, Tyler Best, Roxanne Duigou

Inter-Branch Liaison as best we can: Meagan Harvey, Lee Rowley, Ralph Watts

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.

Successful Events:

Although we assisted in notice distribution, Dr. Elwood's talk on "Christchurch 5 Years On" was not strictly a Branch event. The event was well attended anyway and considered a success.

We are still awaking from New Year hibernation so no other item on which to report.

Proposed Events:

- Polystyrene Building Blocks: A Triple Bottom Line Approach to Addressing Several of Haiti's Most Pressing Challenges. This is re-presentation of Roxanne Duigou's paper on recycling in Haiti – Mid-year TBC.
- Case study of a real claim against a structural firm – March. TBC
- Rubble foundations: assessment and upgrade – April TBC
- Rammed Earth – an ancient art seeking technical rationalization – May TBC.
- Non-structural components – "What Not To Do". Case studies and acceptable solutions. June TBC.
- Social event(s) TBC.
- We encourage members to submit comment to our executive on any matter that may concern or interest structural engineers.

Contacts:

Victoria/Gulf Islands:	Branch Executive
Central Island:	Lee Rowley
North Island:	Ralph Watts
Okanagan:	Meagan Harvey

IStructE News



Bill Alcock, P.Eng. Struct.Eng.
MStructE.

Director SEABC

IStructE Meetings in London, January 14-15, 2016

The January two-day meetings at the Institution's offices in London covered a lot of ground this year.

International Interest Group (IIG)

Seismic Practices Template

At the IIG meeting, it was agreed that each international Regional Group would prepare a summary template of the seismic codes, standards, code committee membership and related organizations (both governmental and NGO) in its region, to be completed, collated and summarized by the Institution at the end of the year.

Engagement with the Academic Community and Student Membership

Considerable time was spent on discussing how to attract students to become Student Members in the Institution. As each Regional Group functions quite differently, there were a wide variety of suggestions, some of which could be adapted by each group. To conclude this portion of the meeting, each Regional Group was tasked with developing a program to improve engagement with the academic community and increase student membership.

Technical Guidance Notes (TGN's)

The Institution is in the process of preparing TGN's (articles focusing on common technical structural problems) which are intended for young members and new graduates. Forty-seven have been published thus far in The Structural Engineer. A further forty-four topics have been identified, and the intention is that each Regional Group, including

those in the UK, will write 1 to 2 TGNs each year. Suggestions for future TGNs are always welcome.

Ethics and the international community

The Institution plans to launch a guide on ethics in July 2016. A greater international perspective is sought as there are many issues which may be more or less relevant in different regions. It is also vital that the guide is globally applicable as the Institution does not want to produce something that cannot be enacted in certain regions. The panel will be contacting the chairs of the regional groups to obtain their input into the guide.

Council Meeting

To examine the theme of the January meetings, "A collaborative Institution embracing a changing landscape", Council broke into small groups and discussed several topics:

- Learning from international experience: the Institution is openly embracing collaboration with international groups and SEABC is a prime example of this.
- Relationships within the engineering community: in the UK there are 34 Institutions; there is limited interaction between them and in some cases rivalry exists. This is not beneficial to the public. IStructE is open to working collaboratively with other institutions to improve relationships and perhaps even collaborate on office functions.
- Relationships with the built environment: The Institution is perceived as being somewhat closed to the construction community and has little visibility. A number of suggestions were made on how to improve this including:
 - Collaboration on an event registry.
 - Approaching other construction related organizations with a candy box of what the Institution offers.

- o Ensuring that the setting up of each new panel or task group is offered as a collaborate effort to the other Institutions

Following the conclusion of the Council meetings, incoming President, Alan Crossman gave his inaugural address.

New President Alan Crossman's Inaugural Address: "The Art of the Possible"

Alan's career spans a wide variety of structural engineering from an award winning water treatment plant, to façade retention of some of the UK's major historical buildings. Alan is strong believer in having a wide breadth of understanding of structural engineering, and to the importance of career long development as a fundamental responsibility of structural engineers. Armed with these attributes, Alan believes that almost anything is possible. More information about Alan and a video of his Inaugural Address can be found at: www.istructe.org/news-articles



Incoming President Alan Crossman with Bill Alcock.








Left to Right: Immediate Past President Tim Ibel, Past President Nick Russell and CEO Martin Powell.






Past President Nick Russell (left) with incoming President Alan Crossman.

2016 Executive Board – Candidates for Elections

	<p>Perry Adebar, Ph.D., P.Eng., University of British Columbia</p> <p>Professor in the Department of Civil Engineering at the University of British Columbia, Perry has served as a Director of SEABC for three years. If elected, he will continue to serve in that capacity.</p>
	<p>Bill Alcock, P.Eng. Struct.Eng.</p> <p>Bill was formerly a Vice President, Engineering and Quality Management for Sacré-Davey Engineering, and a former director and chair of the Division of Structural Engineers. Bill currently serves as SEABC's representative on IStructE's Council. Bill has served as a Director of SEABC for five years and if elected, will continue to serve in that capacity.</p>
	<p>Grant Fraser, P.Eng.</p> <p>A bridge engineer with Associated Engineering, Grant is the incoming chair of SEABC's Young Members Group. He has been involved with the Young Members Group since 2010. Grant has served as a Director of SEABC for one year and if elected, will continue to serve in that capacity.</p>
	<p>Cameron Kemp, P.Eng., LEED® AP (Serving President)</p> <p>A Principal and Chairman of Omicron Canada Inc., Cameron was a founding Director of the SEABC. Currently serving as President, Cameron has served in that position for five years.</p>
	<p>Paul Fast, P.Eng., Struct.Eng.</p> <p>Managing Partner with the firm he founded, Fast + Epp Structural Engineers, Paul has served as a Director of SEABC for six years and if elected, will continue to serve in that capacity.</p>

	<p>Tejas Goshalia, P.Eng., SE</p> <p>A Senior Associate with Stantec, Tejas has served as a Director of SEABC for three years and currently chairs its Education Committee. If elected, he will continue to serve in that capacity.</p>
	<p>Adrian Gyga, P.Eng, Struct.Eng.</p> <p>A Principal with his own firm, Gyga Engineering Associates Ltd., Adrian has served as a Director of SEABC for six years and if elected, will continue to serve in that capacity.</p>
	<p>David Harvey, P.Eng., Struct.Eng.</p> <p>A Principal with Associated Engineering, David was a founding Director of the SEABC and currently chairs its Communications Committee. If elected, he will continue to serve in that capacity.</p>
	<p>Kitty Leung, P.Eng., Struct.Eng.</p> <p>Manager, Structural Engineering, with WSP Canada Inc's Vancouver office, Kitty has served as a Director of SEABC for one year and if elected, will continue to serve in that capacity.</p>
	<p>Surinder Parmar, P.Eng., PMP</p> <p>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.</p>

	<p>Kevin Riederer, P.Eng.</p> <p>Project Structural Engineer with Read Jones Christoffersen Ltd., Kevin has served as a Director of SEABC for one year and currently chairs its Technical Committee. If elected, he will continue to serve in that capacity.</p>
	<p>Andrew Seeton, P.Eng.</p> <p>A senior structural engineer with Glotman Simpson Consulting 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.</p>
	<p>John Sherstobitoff, P.Eng.</p> <p>A Principal with Ausenco, John has served as a Director of SEABC for one year and currently chairs its Structural Practice Committee. If elected, he will continue to serve in that capacity.</p>



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

IStructE Exam Training

Interested in becoming a Designated Structural Engineer? As many of you know, APEGBC maintains a register of structural engineers with the Struct.Eng. designation which can be used to take overall responsibility for Part 3 buildings when required by the Authority Having Jurisdiction. The City of Vancouver typically requires the specialist designation for all building designs within the city.

The majority of structural engineers on the register met the program requirements by passing the Institution of Structural Engineers Chartered Membership exam. This internationally-available exam is code-neutral and tests the ability of

candidates to solve structural engineering problems which were mostly derived from real engineering projects. The exam can be written locally, and is held each year in January and July. You can apply to take the IStructE exam as part of your Struct.Eng application.

If you are interested in obtaining your Struct.Eng. designation via this route, join us at the next IStructE exam training seminar planned for May 20th at the Accent Inns in Burnaby. This one-day orientation course will feature presenters Mark Porter, Adrian Gygax, Robert Jirava and David Harvey, who will outline preparation for the exam. The presenters will provide tips for success and conduct interactive problem solving using past exam questions. Save the date, and watch for seminar details to come!

For further information on APEGBC's Designated Structural Engineer program:

www.apeg.bc.ca/Become-a-Member

To view past IStructE Chartered Membership exams:

www.seabc.ca/struct_eng.html

Recent Seminars and Events

Certificate in Structural Engineering Program



Shannon Remillong
CSE Program Co-ordinator

The January 2016 Term is now underway and for the second consecutive term, registration numbers have reached a record high with 165 students. The winter Course offering is:

- C4-1 Introduction to Earthquake Engineering & Seismicity
- C13 Structural Steel Design for Buildings
- E11 National Building Code Part 4: Structural Design
- E22 Introduction to Heavy Timber Design

The Certificate in Structural Engineering Program Executive Committee is pleased to announce **E12 Seismic Design of Steel Structures** which will be offered this spring. The course is 12 weeks in length, beginning Friday, April 8th and continuing for 11 Tuesdays, April 12th - June 28th. Mid-term break is Tuesday, May 24th.

Registration for the April 2016 Term will open Monday, February 15th through the SEABC website. SEABC Members will receive a discounted rate, and additional savings with early-bird rates apply until Friday, March 18th.

The Executive Committee would like to extend Congratulations to Mehdi Jamili who recently graduated from the SEABC Certificate Program, successfully completing 12 courses. He will be awarded a certificate at the upcoming SEABC AGM held on March 10th.

In support of BC Structural Engineers, the Certificate in Structural Engineering Program Executive Committee is now offering an annual Outstanding Achievement Award to practicing Structural

Engineers taking CSEP courses. An award of \$500.00 will be given to an outstanding student who has taken a minimum of 2 courses over 2 consecutive years with highest grade point average. There are 4 students who have accomplished these goals between September 2013 and 2015 that stand out: Graham Best (GPA: 98%), Robbe Drugmand (GPA: 97.5%), Travis Oudshoorn (GPA: 96%) and Eric Howie (GPA: 96%).

Registration Inquiries and Requests/Suggestions: Please contact Shannon Remillong, Certificate Program Administrative Assistant, at email: <mailto:courses@seabc.ca>

CSE Board of Directors

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

Shannon Remillong (Administrative Assistant)

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

Svetlana Brzev, Ph.D., P. Eng. BCIT

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

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

Darrel Gagnon, M.Sc., P. Eng., Buckland & Taylor

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

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

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

IABSE Symposium



Adam Lubell, PhD, P.Eng.
Read Jones Christoffersen
Ltd
Symposium Co-Chair



Katrin Habel, Dr. Sc. Techn.,
P.Eng.
Associated Engineering
Symposium Co-Chair



SEABC will host the 2017 IABSE Symposium, a three-day technical conference preceded by a program of pre-conference workshops, tours of local structural engineering projects, and the Annual Meetings of IABSE's technical committees and working groups. Check out the symposium website at: www.iabse2017.org and be sure to sign up for the mailing list to receive important news and announcements.

The International Association for Bridge and Structural Engineering (IABSE) is a technical society whose members include many renowned and top level engineers from around the world. IABSE's aim as a technical society is to promote the advancement of structural engineering practice while taking into account technical, economic, environment, aesthetic and social aspects.

Support from our corporate partners will help to keep this major international conference affordable for the delegates, especially the young engineers. The Local Organizing Committee has recently announced the Corporate Sponsorship and Exhibition information. A range of tiered, event and other sponsorship opportunities are available and an exhibition hall will be provided during the Symposium. A comprehensive brochure providing additional details is available on the symposium website: www.iabse2017.org

We have started to discuss these sponsorship opportunities with local and international firms over the last few weeks and are very pleased to have some early interest in sponsorship and exhibition booths. The symposium website will be updated to show our confirmed sponsors as they come on board. There are still many great opportunities available and we will continue to contact additional potential sponsors and exhibitors in the weeks ahead.

Please contact David Ellis, Chair of the Sponsorship Committee, if you would like to discuss these opportunities in further detail: ellisd@ae.ca

604-293-1411



Co-Chairs Adam Lubell and Katrin Habel, Honorary Chair Peter Taylor.

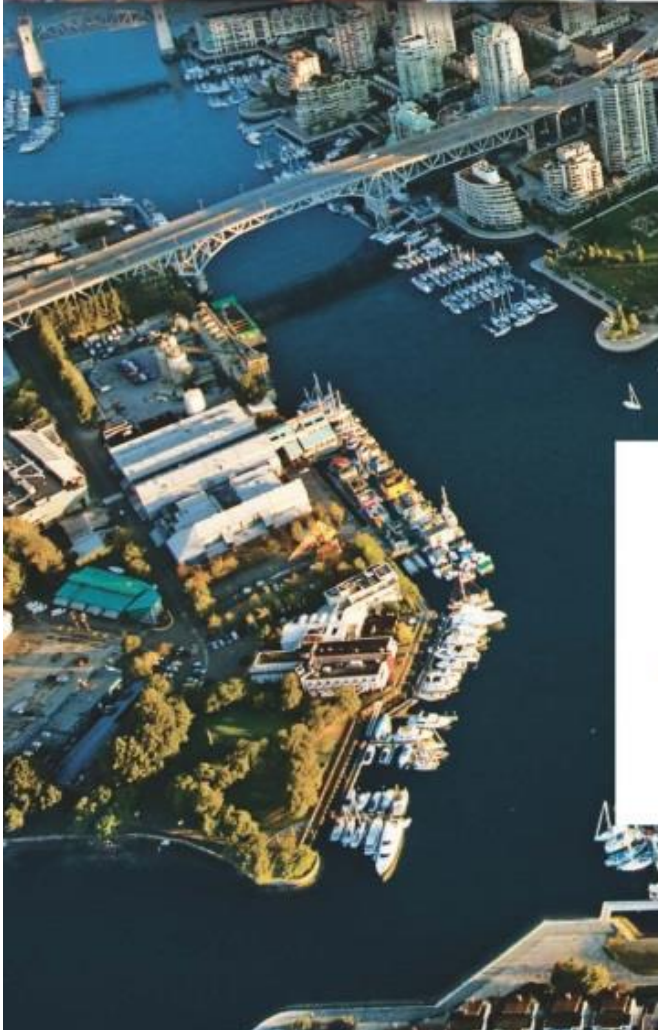




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Nominate a Colleague



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

Director SEABC

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 2016 President's Awards, recently announced by APEGBC – B.C.'s premier awards for professional engineers. To nominate an individual, you will need to prepare a letter of nomination, or support for a nomination, outlining that person's outstanding achievements.

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 15th 2016.

The Presidents Awards nomination procedures are available at:-

www.apeg.bc.ca/For-Members/Awards/President-s-Awards-Nomination-Procedures

For further information or assistance on any aspect of the APEGBC President's Awards, contact Laurel Buss at:- lbuss@apeg.bc.ca

Annual General Meeting

SEABC's 2016 Annual General Meeting and Dinner will be held on Thursday, March 10 – the switch to a Thursday is to suit the availability of our keynote speaker.

This year we are pleased to welcome Tristram Carfae, Deputy Chairman of Arup. Tristram has had a stellar career designing some of the world's most prestigious structures, including the Beijing National Aquatics Centre.

Tristram's pioneering structural designs have been widely acknowledged. In 2014 he was awarded the IStructE Gold Medal, the Institution's highest award for his outstanding work. Tristram's Gold Medal address focused on how to best use computers in structural design – a subject of great interest to many structural engineers. Tristram will share with us his thoughts on the optimal use of computers for design and will touch on other current global structural engineering issues.

We aim to attract world-class keynote speakers to our AGM dinner meetings and this year, we will be hosting a structural engineer with an impeccable pedigree.

So would you like to discover how the amazing Beijing Water Cube design was developed? All you have to do is attend our AGM and hear it first-hand from the designer! We are confident that you will find Tristram's presentation insightful and inspiring, so please register now for our popular AGM. Space is limited and you will not want to miss out on SEABC's signature event.

www.seabc.ca/agm



Tristram Carfae

Structural-Safety

The Structural-Safety web site combining CROSS (Confidential Reporting on Structural Safety) and SCOSS, (Standing Committee on Structural Safety) has Newsletters, a data base of reports, information on how to report, alerts and other publications:

www.structural-safety.org/

Mark Your Calendar

Upcoming SEABC Seminars/Events

So you Think You Can Give a Seminar?

Date: Wednesday February 24, 2016

Presenter: Samson Chan, M.Eng, P.Eng,
Infrastructure Engineering – SNC Lavalin Inc.

Venue: Room C100, UBC Robson Square, 800 Robson
Street, Vancouver

Time: 6:00-8:30pm

Registration: www.seabc.ca/commerce/ymg

Annual General Meeting, Dinner and Presentation

Date: Thursday March 10, 2016

Keynote Speaker: Tristram Carfae

Venue: Sutton Place Hotel, 845 Burrard St,
Vancouver

Time: 5:30pm

Registration: www.seabc.ca/commerce/aggm

Save the Date: 2016 NW SEA Conference

Dates: August 3-6, 2016

Venue: The Element Hotel, Downtown Bozeman,
Montana

Registration: Coming soon!

For more information, see flyer at the end of the
newsletter.

Course Offering – E12 Design of Steel Structures for Seismic Resistance

Dates: Friday April 8, 2016 and then 11 Tuesdays,
April 12 to June 28 2016

Venue: Alma Van Dusen Room, Vancouver Public
Library

More information:

www.seabc.ca/cse_current_term.php

Upcoming Industry Events

2016 Wood Design Awards in BC

Date: February 29, 2016

Nominations Deadline: Closed

Venue: Vancouver Convention Centre, West.

More information: Contact Zena Caul at 1-877-929-
9663 ext.4

SFU Geoscience Seminar

Date: February 29, 2016

Presenter:

Venue: TASC 1 7011, Simon Fraser University,
Burnaby, BC

Time: 6:00-7:30pm

Cost: Free

More Information: amichaud@apeg.bc.ca

Save the Date: IStructE Exam Training Seminar

Date: May 20, 2016

Venue: 3777 Henning Drive, Burnaby, BC, V5C 6N5

Time: 8:30 am – 5:00 pm

Registration: Coming soon



2016 Western States Roundup – NW SEA Conference

Schedule of Events

Wednesday 8/3

The Element Hotel in Downtown Bozeman

1 – 5 pm: Western States and NW Delegate Meetings

5 pm – 8 pm: Welcome Reception



Thursday 8/4 & Friday 8/5

Montana State University Ballrooms

8:30 am - 5 pm : Breakfast – Lunch – Vendors – Seminars!

Thursday 6 pm – 9 pm: Key Note Speaker Dinner, Bobcat Stadium Skybox (TBD)

9pm – 12pm: Music on Main Street, Downtown Bozeman!

Friday 6 pm – 10 pm: BBQ Dinner – Music – Views – Fun! (Location TBD)

**Saturday 8/6 – Fly Fishing, Rafting, Picnic – Sweet Pea Arts Festival, Yellowstone Park...
TBD.**

Registration Information Coming Soon... look for announcements!

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:	Cameron Kemp
Past President:	David Davey
Secretary / Treasurer:	Surinder Parmar
Other Directors:	Perry Adebar, Bill Alcock, Renato Grant Fraser, Paul Fast, Tejas Goshalia, Adrian Gyax, David Harvey, Kitty Leung, Andrew Seeton, Kevin Riederer, John Sherstobitoff

Committee Chairs:

Education:	Tejas Goshalia
Structural Practice:	John Sherstobitoff
Technical:	Kevin Riederer
Communications:	David Harvey
Young Members:	Grant Fraser

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.