

2018/2019 COUNCIL ELECTION  
AND BYLAW VOTE

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# MEET THE CANDIDATES

PUBLISHED SEPTEMBER 4, 2018



ENGINEERS &  
GEOSCIENTISTS  
BRITISH COLUMBIA

**Presidential, Vice Presidential and Councillor Candidate Materials**

# 2018/2019 COUNCIL ELECTION AND BYLAW VOTE

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## GENERAL COUNCIL ELECTION INFORMATION

Under the *Engineers and Geoscientists Act (Act)* and Bylaws of the association, Council is comprised of the President, Vice President, Immediate Past President, 10 elected Councillors, and four Councillors appointed by the Lieutenant Governor in Council (Government).

For the 2018/2019 Council Election, there are two candidates running for the office of President. The candidate that receives the largest number of votes will be elected to the office of President for a one-year term. Two candidates are running for the office of Vice President. The candidate that receives the largest number of votes will be elected to the office of Vice President for a one-year term.

Twelve candidates are running for the office of Councillor. The five candidates in this category receiving the largest number of votes will be elected to serve a two-year term as Councillor. In accordance with Section 9 (7) of the *Act*, if no member of a Faculty of Applied Science, Engineering or Geoscience in BC is elected, one will be appointed by Council for a one-year term.

All professional members and limited licensees are encouraged to vote.

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## CONTINUING COUNCILLORS

The following councillors will be entering the second year of a two-year term: Doug Barry, P.Eng., Catherine Hickson, P.Geo., FGC, Lianna Mah, P.Eng, FEC, and Jeremy Vincent, P.Geo. Caroline Andrewes, P.Eng., CPA, CMA will continue for one additional year in the role of Immediate Past President.

The following government appointees are continuing their term on Council: Suky Cheema, CPA, CA, Ken Laloge, CPA, CA, TEP, John Turner, P.Ag. (ret), and David Wells, JD.

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## VIDEOS FOR PRESIDENTIAL AND VICE PRESIDENTIAL CANDIDATES

Candidates running for the positions of President or Vice President were invited to participate in a short video as part of the candidate information presented to members. Inclusion of a video was optional for Presidential and Vice Presidential candidates and is being piloted for the 2018 election as a way to provide voting members with more information about candidates.

The videos for the Presidential and Vice Presidential candidates that participated in the optional video component can be found on the candidate's statement page. To access these pages please visit: [egbc.ca/Candidate-Statements](http://egbc.ca/Candidate-Statements)

Members are encouraged to participate in our post-voting survey to provide feedback on the usefulness of the video component.

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## ROLE OF THE NOMINATING COMMITTEE

The Nominating Committee is charged with seeking and selecting a list of candidates for election to Council that they believe best demonstrate the qualities needed for strong leadership of the association. Specifically, the committee sought candidates that have demonstrated skills in strategic thinking, organizational management, financial fluency, governance and strategic planning, in addition to a minimum of five years of experience as a professional member or limited licensee. To fulfil its mandate, the committee sought candidates through a series of Call for Nominations notices sent to the membership, and committee members reached out to potential candidates in regions throughout the Province of BC.

Under Bylaw 3(b), Nominating Committee candidates for the office of President must have served on Council for at least two full years prior to taking office, and for the office of Vice President, must have served at least one year on Council prior to taking office. Previous experience on Council is not required for candidates nominated by 25 members.

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## 2018 NOMINATING COMMITTEE MEMBERS

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### Chair

Bob Stewart, P.Eng.

### Council Appointees

Emily Cheung, P.Eng., FEC

Frank Denton, P.Eng., FEC, FGC (Hon.)

Jeff Holm, P.Eng., FEC, FGC (Hon.)

Timothy Smith, P.Geo., Eng.L., FGC, FEC (Hon.)

Selena Wilson, P.Eng.

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### Branch Representatives

Vadim Airiants, P.Eng. (Sea to Sky)

Stella Chiu, P.Eng. (Tri-City)

Eric Constantinescu, P.Eng. (Northern)

Dr. Hamid Ghanbari, P.Eng. (Richmond/Delta)

Gregory Reid, P.Eng./P.Geo., FEC, FGC  
(South Central)

Ashita Anand Sanghera, P.Eng. (Vancouver)

Barbara Thomas, P.Eng. (Vancouver Island)

Jeremy Zandbergen, P.Eng. (East Kootenay)

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2018/2019 COUNCIL ELECTION  
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# MEET THE PRESIDENTIAL CANDIDATES



ENGINEERS &  
GEOSCIENTISTS  
BRITISH COLUMBIA

Candidate materials are not edited for grammar or typographical errors, but have been formatted for consistency. The opinions expressed by candidates are not necessarily those of the association, but are permitted to ensure an appropriate and robust debate of the issues that may be of importance to members of the association.

## PRESIDENTIAL CANDIDATE (one to be elected)



**A.M. (Abdul) Mousa, P.Eng. | Coquitlam, BC**

*This candidate has been nominated by 25 members of the Association.*

Dr. Abdul Mousa, Specialist Electrical Engineer, is a recognized expert in high voltage power line design and lightning protection. He saw it as his moral obligation to protect life and property of the public when these became endangered by claims of the vendors of non-conventional lightning protection systems, which he and many other experts believed to be false. Mousa continued that campaign for many years despite attempts of the vendors to silence him by threatening to sue his employer. In his quest to fulfill that moral obligation, he launched legal action against the IEEE upon discovering that it included in Standard 998 a vendor's design method which lightning experts believed to be invalid.

Mousa was dismayed when EGBC attempted to impose Continuing Professional Development (CPD) in 2015. The administrators of the Association apparently do not know what it takes to be competent in technical matters. Mousa found it unacceptable that those bureaucrats are going to tell the profession, including thousands of experts like himself, how to become competent. Hence he waged a campaign against both the CPD Bylaw and the wasteful financial practices of the Association. His message resonated with fellow members and they nominated him for the position of Vice President in the 2015 election.

Mousa's campaign helped in decisively defeating the 2015 CPD Bylaw (56% cast negative votes), but he did not get elected. He then helped with the reform campaigns in 2016 & 2017. He also organized a petition asking Council not to amend the *Engineers and Geoscientists Act* (the "Act") unless the amendments have first been approved by the membership via a referendum.

So far, the success of the reform campaign has been limited because Council has been dominated by persons who reflect the position of the establishment that nominated them. Today, the need for reform is greater than ever as the ideal of self-governance by the profession has in effect been replaced by governance by the Registrar. Hence I am again running for election, my objective being to keep the spirit of reform alive and to give disenfranchised members the opportunity to express their protest by voting for me.

Highlights of my platform follow and more details are available on my web site:

1. Ending EGBC's suppression of dissent, including the rules prohibiting Council & Committee members from publicly expressing dissenting opinions and the Registrar's power to censor the statements of election candidates.
2. Enabling the members to speak up without fear of retaliation by eliminating the powers of oppression which EGBC wields against them.
3. Restoring personal accountability by publicizing how each Council & Committee member voted on every resolution, who made every motion, and requiring every Association announcement to be signed by the responsible EGBC member.
4. Breaking the establishment's hold on Council by suspending the Nomination Committee and requiring all candidates to be nominated by the membership.
5. No amendments are to be made to the Act, regarding CPD or otherwise, unless first approved by two thirds of the members via a referendum.
6. Restoring members' right to vote on any proposed fee increases.
7. Recognizing that the right to self-governance is vested in the membership and that Council is hence obliged to comply with the wishes of the majority of the members.
8. Limiting expenditure by EGBC by focusing on its main tasks, avoiding trivial pursuits like branding, limiting expenditures on legal services, and opening its books to interested members.
9. The Government's Professional Reliance Report proposes that all Council members be appointed by the government. We urgently need to restore true self-governance to give our members the incentive to rise and defend it.
10. EGBC's response to the above Report should be as follows: a) Promptly requiring an independent review of the work of only the small percentage of its members who work in resource development when their work impacts public safety. b) Insisting that restoring a reasonable level of government oversight over resource development would adequately fix the perceived problems.

**A.M. (Abdul) Mousa, P.Eng., continued**

## **EDUCATION**

Ph.D. (Electrical Engineering), University of British Columbia, 1986

## **PROFESSIONAL HISTORY**

Consultant, 2008–present

Specialist Electrical Engineer, BC Hydro, 1978–2008

## **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Vice Presidential Candidate, 2015

## **RELATED PROFESSIONAL ACTIVITIES**

Published 151 papers, IEEE & International Conferences on Lightning Protection (ICLP), 1976–present

Reviewer for journals of IEEE & ICLP, 1990–present

Co-moderator of the Yahoo group on Lightning Protection, 2000–present

Member, IEEE & CIGRE Committees on Lightning Protection of Power Lines & Substations, 1989–2017

## **COMMUNITY INVOLVEMENT**

President & Founder, Muslim Awkaf Foundation of B.C (Charity #738904127RR0001), 2017–present

Donated \$160,000 to create scholarships in Applied Science, University of British Columbia, 2016

## **AWARDS AND HONOURS**

Exceptional Reviewer Certificate, IEEE-PES, 2015

Outstanding Engineer Award, PES Chapter – IEEE Vancouver, 2007

Lightning Safety Award, National Lightning Safety Institute (USA), 2001

Fellow, IEEE, 1995

**WEB LINK:** [www.abdulmousa.ca](http://www.abdulmousa.ca)

## **Q&A WITH CANDIDATES**

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The public is protected provided that: a) Only applicants who meet the required minimum qualifications are granted membership, and; 2) Members uphold the Code of Ethics. Both the level of expertise of members and the degree of complexity of technical assignments vary widely. The public is protected as long as each member only undertakes assignments that are within his/her scope of competence, and this is a requirement of the Code of Ethics.

Requirement (a) above has always been met via the Association's rigorous admittance procedure, and our discipline process has always addressed violations of the Code of Ethics. Hence the public has always been protected and **there are no challenges facing this Association**. If some external stakeholders think otherwise, then the Association ought to educate them, not appease them.

Despite statutory prohibitions, there will always be persons who cause accidents by driving while not sober. Similarly, there is no way to prevent all EGBC members from violating the Code of Ethics. It is unfortunate that some such incidents cause catastrophic failures. Such events are few and far between, and the only way for redress, in addition to discipline by EGBC, is for the victims to sue the offenders to recover the damages. It makes no sense to seek to punish the whole profession for the sins of a few. Regarding the remaining Ethics violations, it may help if EGBC paid to individual victims the fines which it collects from the offenders, instead of pocketing that money.

**What are the key issues facing the engineering and/or geoscience professions?**

The issue facing technical professionals has not changed: gaining the in-depth knowledge needed to grow & undertake higher professional responsibilities. However, matters have been complicated by recent developments, namely:

1. We previously wrote our own computation algorithms based on solid personal knowledge of applied science, and programmed them where necessary. Hence we were able to confidently put our names behind results of our computations, and accept professional responsibility for the work. Today most use commercial software written by others. The challenge is for the user to investigate the underlying theory, be satisfied of its validity, and that it actually produces correct results.
2. Our work requires searching the literature to get comprehensive knowledge of the subject, wading through conflicting opinions, and determining which is credible. That involved going to the library and searching through volumes of journals. Today most think that "googling it" would do. Hence they end getting lots of garbage mixed with a few useful documents, and miss a lot of the relevant literature. The challenge is to do whatever it takes to get to the bottom of the matter.
3. Today people got addicted to their electronic gadgets, with their work day repeatedly interrupted by frequent checking of their email, social media, trivial texting & tweeting, etc. No one can reach in-depth knowledge of anything this way. The challenge is disciplining ourselves not to open those gadgets too often.

Some administrators think that the challenges are external because they do not really understand how the profession works.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

The Legislature found it appropriate to adopt the self-regulation model for engineering and geoscience because the matter involves technical issues which are best judged by the practitioners in those fields. As noted above, "regulation" means deciding who is entitled to admission and disciplining those who commit ethics violations. In return, we were asked to bear the cost of regulation via annual membership dues, but also given control over the finances of our Association via the right to vote on any dues increase.

Members lost control over the finances of their Association in 2010 when the Act was amended, at the behest of the Association, to enable Council to unilaterally set the annual fee. Subsequent policy changes by the Association caused more powers of the members to be gradually taken away and concentrated in the hands of Council. Today, the ideal of self-governance by the members has practically been totally lost. To make this possible, EGBC adopted the notion that Council is wiser than the membership at large, that only Council cares to protect the public, and that any policy requests by members can only be self-serving.

My dream is restoring true self-governance by shedding the above absurd arrogant notion, and by having Councils which truly represent the members, who recognize that the power is vested in the membership and that Council's actions are only legitimate when they reflect the wishes of the members.

## PRESIDENTIAL CANDIDATE (one to be elected)

**K.V. (Katherina) Tarnai-Lokhorst, P.Eng., FEC | Victoria, BC**

*This candidate has been nominated by the Nominating Committee.*



I am deeply honoured to be selected by the Nominating Committee as their 2018-2019 Presidential Candidate. Over the last five years on Council and several Association committees, I acquired an intimate working knowledge of our organization's operations and finances, and the complexities of managing our dual responsibility as regulator and member advocate. As President, I will continue to share this knowledge with you through clear, open and transparent communication.

Professional regulation requires significant resources to verify the appropriate knowledge, abilities, expertise and ethics of new, current and returning members who practice engineering and geoscience. We keep fees as low as they are in part thanks to thousands of hours of volunteer service given by members on more than 50 committees across the province. I intend to ensure the Association continues to be fiscally viable and prudent.

Some of the advancements we made during my tenure on Council include

- developing fairness policies and guidelines in support of all members, especially regarding diversity and learning;
- enhancing the recognition of technologists and other qualified members of the engineering and geoscience team as students and as Licensees with independent practice scopes;
- enhancing existing positive relationships with government representatives regarding engaging with the Association in all matters pertaining to engineering and geoscience;
- expanding consultation practices on major issues;
- highlighting ways that advocacy for the professions supports public interest;
- expanding the network of 30 by 30 Champions in support of the recruitment and retention of women in engineering (please see my website for more information on this Engineers Canada initiative);
- educating and building relationships with the people of British Columbia through outreach.

The Association has one primary duty: to protect the public interest by regulating engineering and geoscience. We also have an objective to enhance the professions through member services. These roles are interwoven because the benefits that members receive through these services directly enhance public safety. For example, the Mentoring Program provides members with one-on-one support and guidance from peers to improve the technical and soft skills of professional practice. Another example is the competency-based assessment system, developed to make the registration process smoother for applicants, staff and volunteers on the Registration Committee and the Fairness Panel; this system is now nationally-recognized for its ability to provide a more objective analysis of each applicant's experience. In the same way, the Organizational Quality Management (OQM) program is in demand as a value-added vehicle for certifying organizations. It is very important that these opportunities, member initiatives developed by staff, continue to be fostered at the Association.

We remain in a critical period. With the challenges some Canadian professional regulators have experienced in the last few years, our government is concerned that public interest may be jeopardized when regulators conduct activities that serve members. The Professional Reliance Review Report, available on the Engineers and Geoscientists BC website alongside our response, seems to echo this concern. Now is the time for strong leadership to promote the legitimate advantages inherent in the duty and objects of the Association: our member activities enhance our regulatory role as responsible public stewards who value the safety of our communities.

If you have any questions or comments, please contact me via my website.

## EDUCATION

Doctor of Social Sciences (Interdisciplinary), Royal Roads University, 2018

MBA (General), University of Phoenix, 2007

B.A.Sc. (Mechanical Engineering), University of British Columbia, 1987

## K.V. (Katherina) Tarnai-Lokhorst, P.Eng., FEC (continued)

### PROFESSIONAL HISTORY

President, The Lokhorst Group Ventures, Inc., 2008–present  
Instructor, Mechanical Engineering, Camosun College, 1994–1996, 2001–present  
Adjunct Professor, Mechanical Engineering, UBC, 2016–present  
Mechanical Engineer, Boeing Canada, de Havilland Division, 1988–1991

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member, Executive Committee, 2016–present  
Member, ASTTBC/APEGBC Joint Board, 2015–present  
Member, Mentoring Committee, 2014–present  
Member of Council, 2013–present (Vice President, 2017–2018)  
Director, Engineers and Geoscientists BC Foundation, 2015–2017 (Chair, 2016–2017)  
Member, Registration Committee, 2015–2016  
Member, Audit Committee, 2013–2015  
Member, Governance Committee, 2013–2015  
Outreach Activities Volunteer, Victoria Branch, 2008–2014 (Outreach Coordinator, 2012–2014)

### RELATED PROFESSIONAL ACTIVITIES

Member, Education Council, Camosun College, 2008–2013  
Chair, Education Council, Camosun College, 2009–2011  
Member, Camosun College Board of Governors, 2009–2011  
Chair, Academic Governance Council of British Columbia, 2010

### COMMUNITY INVOLVEMENT

Member, Victoria Alumni Leadership Council, UBC, 2017–present  
Director, CCA Board, University of Victoria & Camosun College, 2015–present  
Healthy Minds Ambassador, Camosun College, 2012–present  
Peer Coach, Camosun College, 2011–present  
United Way Campaign Co-Chair, Camosun College, 2014–2015

### AWARDS AND HONOURS

Fellow (FEC), Engineers Canada, 2015  
Engineers Canada-TD Insurance Meloche Monnex Scholarship, 2015

**WEB LINK:** [www.kathylokhorst.com](http://www.kathylokhorst.com)

### Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

As a regulatory authority, the key challenge Engineers and Geoscientists BC continues to face is the risk of losing the privilege of self-regulation. Many British Columbians, members and non-members, do not have a clear understanding of what self-regulation means. Over the last year, as Vice President, I toured the province, visiting branches and providing some education regarding self-regulation, its benefits and how Council must respond within the current legislative landscape. It is only through education that our members and the general public can best understand the challenges, benefits and requirements of a self-regulated profession. It is only by supporting self-regulation that we will have the privilege of keeping it.

Self-regulation is not only the handing out of licenses to qualified applicants. Self-regulation engages professionals in regulatory processes, such as defining the roles and responsibilities of registered members, imperative for us in this Association where we have great diversity in our disciplinary knowledge and expertise. Self-regulation allows professionals to effectively respond to our changing world and to ensure the safety of the increasing expanse of technology that we develop. Self-regulation enables members to guide the public in determining when professionals should be consulted and whether they are members in good standing, legally permitted to fulfill these duties.

## **K.V. (Katherina) Tarnai-Lokhorst, P.Eng., FEC (continued)**

### **What are the key issues facing the engineering and/or geoscience professions?**

Beyond self-regulation, two of the key issues that continue to face our professions are expanding the library of practice disciplines and enhancing fairness, equity, diversity and inclusion in our professions.

#### ***Disciplines of Practice***

Engineering and geoscience are expanding professions, with new disciplines identified at a rapid pace. Several times in the last year, members have approached me about defining emerging and existing disciplines. For example, a need exists to better define the situations and practices in which professional regulation is required within computer science as software engineering. Integrated engineering has also become an increasingly popular discipline and requires formal definition for the protection of the public. Documenting newer disciplines is necessary for two reasons: to educate non-engineers and non-geoscientists about which professional is qualified to conduct the work required; and to ensure public safety by regulating the unregulated.

#### ***Fairness, Equity, Diversity and Inclusion***

Recent surveys continue to highlight the disparity between the salaries of men and women in our professions. This is one of the inequitable areas that persist in spite of members' efforts to rectify it. Although British Columbia contains one of the most inclusive societies in the world, we continue to exhibit the unintended consequences of implicit biases based on gender, age, body shape and race, to name a few. We should assess our salary and compensation data (anonymized, of course!) to determine the areas in which we require additional practice guidelines to help us become more inclusive.

### **Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

I continue to see Engineers and Geoscientists BC hold our place as a preeminent professional regulatory body in British Columbia, recognized across Canada and around the world as the leader in protecting the public interest by effectively regulating professional practice and enhancing the reputation of our professions. It will be British Columbian engineers and geoscientists who will be instrumental in elevating our technological reach and societal influence to make this world a better place.

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# MEET THE VICE PRESIDENTIAL CANDIDATES



ENGINEERS &  
GEOSCIENTISTS  
BRITISH COLUMBIA

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## VICE PRESIDENTIAL CANDIDATE (one to be elected)



### **D.I. (David) Harvey, P.Eng., Struct.Eng., FEC | Richmond, BC**

*This candidate has been nominated by the Nominating Committee.*

I am very privileged to be nominated as a candidate for Vice President, and am indeed grateful for this exciting opportunity to serve the Engineers and Geoscientists BC membership in a new capacity. If elected, I commit to serving the public interest and promoting the interests of our Association's members and licensees. As part of the Registration Committee, I have worked hard to develop programs for assisting foreign-trained professionals and minorities to achieve Association membership. I have seen the great value and enrichment that this innovative regulatory change has brought to engineering and geoscience. I will continue to help develop new programs to facilitate access to our professions and help them thrive in a modern world.

My goal will be to maintain and enhance practice standards, and continue engagement with our membership regarding regulatory development. I am aware that we need to find better ways to promote awareness of the issues that face us. In my opinion, we need to streamline and update our regulatory approach to reflect the changes in the way our professions are currently practiced. We are extremely fortunate in having an ongoing, productive relationship with government, which considers Engineers and Geoscientists BC to be a trusted partner in the delivery of government initiatives. This is an important relationship that places engineers and geoscientists in a key societal role, protects our professional standing, and underpins the high degree of respect shown to both professions by the public. We will build on our dialogue with government to enhance our regulatory mandate, and our engagement with industry to enhance the Organizational Quality Management program. Our Association needs to work closely with companies to ensure the success of corporate regulation in expanding public protection.

To strengthen the high regard that the public has for professional engineers and geoscientists, it is vital to promote our professions, and the value that engineering and geoscience bring to society. We should, therefore, focus on our achievements, and celebrate the contribution we make to the wellbeing of our fellow citizens.

Kindly consider my election platform – I look forward to receiving your support.

### **EDUCATION**

M.Sc. (Civil Engineering), University of Bristol, 1982

B.Sc. (Civil Engineering), University of Bristol, 1969

### **PROFESSIONAL HISTORY**

Structural Specialist, Associated Engineering, 1982–present

### **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Member, Registration Committee, 2013–present (Chair, 2014–2016)

Member, Standing Awards Committee, 2012–present

Member, Structural Qualifications Board, 2001–present

Member of Council, 2013–2016

Member, Executive Committee, 2014–2015

Member, Continuing Professional Development Committee, 2002–2012 (Chair, 2008–2012)

### **RELATED PROFESSIONAL ACTIVITIES**

Member of Council, Institution of Structural Engineers, 2002–2011, 2017–present (President, 2006–2007)

Member, Board of Directors, Structural Engineers Association of BC, 2008–present (President, 2016–present)

Member, Structural Awards Panel, Institution of Structural Engineers, 2006–2011

Member, Executive Board, Institution of Structural Engineers, 2005–2010

## D.I. (David) Harvey, P.Eng., Struct.Eng., FEC continued

### COMMUNITY INVOLVEMENT

Member, Dunbar Ryerson Chamber Choir, 2017–present  
Member, Early Music Vancouver Society, 2015–present  
Member, Vancouver Chamber Choir Society, 2015–present  
Member, United Voices Choir, 2015–present  
Member, Vancouver Recital Society, 2007–present  
Council Member, Dunbar Heights United Church, 2015–2016

### AWARDS AND HONOURS

R.A. McLachlan Memorial Award, APEGBC, 2009  
Fellow, Engineers Canada, 2008  
Professional Service Award, APEGBC, 2002

### Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

In my opinion, our Association's most critical challenge is to be seen to be always acting in the public interest. At a time when governments are taking action when professions are perceived to be putting their own interests first, keeping professional regulation within the control of the members must be our first priority.

**What are the key issues facing the engineering and/or geoscience professions?**

BC's engineers and geoscientists are a talented, well-qualified group of professions that serve the public well. We are fortunate to enjoy the privilege of self-regulation. Key issues we face are:

- Maintaining standards as our senior professionals move towards retirement
- Adapting to demands made on professionals by the constantly developing international marketplace
- Updating Regulatory requirements to accommodate the increasing delivery of engineering and geoscience through very large corporations that are often based outside of Canada.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

I am confident that Engineers and Geoscientists BC will build on its established position as a leading progressive regulator of professional engineers and geoscientists in Canada. I envisage ongoing operational improvements, continued strong leadership, and enhanced member services. I expect to see greater public protection, stronger professional advocacy, and better recognition by the public of the contribution of engineering and geoscience.

## VICE PRESIDENTIAL CANDIDATE (one to be elected)



### H.G. (Harlan) Kelly, P.Eng. | Vancouver, BC

*This candidate has been nominated by the Nominating Committee.*

Please let me have your vote to continue my involvement on council on your behalf as VP EGBC. I have been a member of our Association for over 40 years and provided leadership on council for six years. The experience obtained and the opportunity to serve your council is gratifying. My involvement in initiatives with our Association for accountability, clarity, membership communication, risk assessment, financial reporting, dialogue on our relevance, and open discussion for resolution with ASTT BC continues to form a key focus for me in my involvement with council. My years of practice in consulting engineering have included a variety of roles not only with our Association but in teaching, learning and study, which developed within me a unique knowledge and broad range of engineering, and business management.

My personal commitment to you is to continue to bring about clarity, responsiveness and accountability from our Association's employees and membership. I will continue to use my abilities to develop a clear vision of business and personal responsibility to our organization. Listening is the first communication step of leadership. My direction will be to reinvest my time through listening to you and knowing your needs.

### EDUCATION

M.Eng. (Civil Engineering), University of British Columbia, 1972

B.A.Sc. (Civil Engineering), University of British Columbia, 1970

### PROFESSIONAL HISTORY

Researcher and President, KNE2 Ltd, 2015–present

VP Technology, Opus DaytonKnight Ltd., 2010–2015

VP Technologies, Dayton & Knight Ltd., 2007–2010

President and C.E.O., Dayton & Knight Ltd., 2001–2007

Project to Senior Project Engineer, Dayton & Knight Ltd., 1978–2007

Project Engineer, McElhanney Survey and Engineering, 1976–1978

Design Engineer, Greater Vancouver Sewerage and Drainage District, 1972–1976

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Mentor, Mentoring Program, 2016–present

Member, Foundation Nominating Committee, 2014–2016

Member of Council, 2009–2016

Member, Registration Committee, 2011–2015

Member, Professional Practice Committee, 2009–2015 (Chair, 2010–2013)

Member, Executive Committee, 2009–2010

Speaker, Young Professionals Stream – Annual Conference and AGM, 2009

### RELATED PROFESSIONAL ACTIVITIES

Member, American Academy of Environmental Engineers, 2000–present

Member and Life Member, Water Environment Federation, 1969–present

Adjunct Professor, Environmental Engineering, UBC, 2000–2016

Authored over 70 presentations and peer reviewed papers, Research Gate, 1974–2015

Member, International Water Association, 1990–2014

Invited Speaker, Environment for Europe, Rural and Mountain Sustainable Development, Belgrade, Serbia, 2011

Contributing Author, 3 Manuals of Practice on wastewater and biosolids treatment, ASCE/WEF, 2001–2010

Invited Speaker, National Operators Training Conference, Chicago, 2006

Invited Speaker and Paper, International Water Association, Krakow, Poland, 2005

Executive Positions, BC Water and Waste Association, 1990–2005 (President, 2004–2005)

Conference Chair, Biosolids Committee, Canadian Biosolids Conference/ Water Environment Federation, 2000, 2003

Chair, Annual Conference Technical Program, BCWWA, 1992, 1998, 2002

Associate, Member and Life Member, American Society of Civil Engineering, 1973

## H.G. (Harlan) Kelly, P.Eng., continued

### COMMUNITY INVOLVEMENT

Councilor, Residential Strata Council, 2012–2016, 2018–present  
Assistant to member of the Federation of Canadian Artists, Granville Island, Vancouver, BC, 1975–present  
Various Committee Chairs, Toastmasters, 1978–1985  
Hockey Coach, Delta Atom to Peewee, 1982–1984  
Chair, Northbrook Langley Lions Annual Hockey Tournament, 1982  
President, Parent Organization for Fraser Academy (dyslexia and other learning difficulties), 1981–1982

### AWARDS AND HONOURS

WEF Bedell Award, BCWWA, 2015  
Stanley Copp Award, BCWWA, 2013  
Received recognition for 9 ACEC, ACECBC National and Provincial Environmental Awards of Merit and of Excellence for Design and Research of Water Resources, 1993–2013  
Personal Recognition Award, BCWWA, 2005  
5S Award, BCWWA, 1999

### Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The Engineers and Geoscientists Act gives primacy to the **Protection of the Public**. Through this duty of care our Association gives our members the **Right to Practice**, protects that right, and assures that we uphold that right.

- Maintain the Association's relevance and operational transparency.
- Resist advocacy of our membership and government policy.
- Remain a-political and serve the government.
- Reduce risks to self-regulation.

**What are the key issues facing the engineering and/or geoscience professions?**

In speaking to members through the Branches and other informal venues, I hear concerns related to:

- Communication.
- Regulation.
- Balanced governance.
- Clarity.
- Diversity and plurality.
- Corporate practice.
- Rights and obligations.
- Financial responsibility.
- Transparency - accountability.
- Provincial review.
- Professional practice.
- CPD.
- CEO succession.
- Risks to self-governance.
- Strategic Plan update.
- Web site inter-activeness.
- Appreciation.

**H.G. (Harlan) Kelly, P.Eng., continued**

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

- Complete the current EGBC 2017-2020 Strategic Plan.
- Prepare a new Strategic Plan for 2020.
- Appoint a committee to investigate our CEO succession plan.
- Renew asks for changes to the Act to reflect new needs including provision for a corporate regulation.
- Enhance diversification, particularly for women in engineering.
- Support the Branches in the advancement of engineering as a career choice in post-secondary and undergraduate programs.
- Create greater transparency and clarity including the finances separating the Regulatory and Membership functions.

2018/2019 COUNCIL ELECTION  
AND BYLAW VOTE

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# MEET THE COUNCILLOR CANDIDATES



ENGINEERS &  
GEOSCIENTISTS  
BRITISH COLUMBIA

Candidate materials are not edited for grammar or typographical errors, but have been formatted for consistency. The opinions expressed by candidates are not necessarily those of the association, but are permitted to ensure an appropriate and robust debate of the issues that may be of importance to members of the association.

## COUNCILLOR CANDIDATE (five to be elected)



### **A.B. (Antigone) Dixon-Warren, P.Ge. | New Westminster, BC**

*This candidate has been nominated by the Nominating Committee.*

I am honoured to be nominated by the Nominating Committee as a candidate for Council and appreciate the opportunity to serve with Engineers and Geoscientists BC in a new capacity. Through my volunteer work at the Association, I have gained an appreciation for the great work that our Association does. We have innovative leaders, solid governance, and dedicated staff. As a result, I believe we are one of BC's most respected professional organizations.

If elected, I will continue to put the public interest first and promote the interests of our membership. As a Professional Geoscientist and a Project Management Professional currently working in the utility sector, I pride myself on my demonstrated record of identifying innovative solutions to complex problems and in my ability to seek a balanced approach.

As a new Councillor, I would like to focus on:

- Promoting our professions and the work of the Association by encouraging students, new graduates, internationally trained professionals and non-registered practitioners to become members. In addition, I want us to further develop tools to help our existing membership become more involved in the Association through mentoring, volunteering or branch engagement.
- Encouraging diversity in our professions by having more women enter and stay in the work place. Today, women remain underrepresented in our sectors, especially at executive levels. We need to further understand where barriers may exist in schooling or entry into the work force, where obstacles in retention and advancement occur, and work towards solutions to address these issues.
- Continuing to foster sustainability in our philosophies to ensure we achieve the highest environmental standards in our practices. As professionals we have a duty of care to protect the environment in our everyday work so that we minimize our footprint and pass the benefits onto our clients and the greater public.

## **EDUCATION**

Certificate (Advanced Project Management), Langara College, 2008

M.Sc. (Earth Sciences), Simon Fraser University, 1998

B.Sc. (Geography), Simon Fraser University, 1996

## **PROFESSIONAL HISTORY**

Project Manager, Site C/Project Delivery, BC Hydro, 2013–present

Projects Manager, Engineering, The Corporation of Delta, 2009–2013

Groundwater Specialist, Engineering, Township of Langley, 2004–2009

## **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Member, Geoscience Committee, 2012–present (Chair, 2015–present)

Stream Coordinator, Annual Conference and AGM, 2013–2014, 2016–2017

Participant, Brand Working Group, 2014–2016

Member, Mentoring Committee, 2010–2015

## **RELATED PROFESSIONAL ACTIVITIES**

Mentor, Mentoring Program, BC Hydro, 2017–present

## **COMMUNITY INVOLVEMENT**

Treasurer, New West Hospice Society, 2016–present

## **AWARDS AND HONOURS**

Outstanding New Staff Member, Illinois State Geological Survey, 2002

Employee of the Quarter, Illinois Department of Natural Resources, 2002

A.B. (Antigone) Dixon-Warren, P.Geo., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

As self-regulating organization, Engineers and Geoscientists BC must protect the public while also represent the interests of our membership. Our professions were included in the recent provincial review of professional reliance and recommended changes to the governance of regulators will undoubtedly impact the operations of our Association. This includes the potential for a new oversight office and standard legislation for professional governance. Having effective people on Council to address these issues and advocate for the Association and its members is critical. We need to work closely with government to assure any changes are responsible, meet the needs of our members, and maintain the trust of stakeholders and the public.

**What are the key issues facing the engineering and/or geoscience professions?**

We need to do a better job of promoting our professions to students, new graduates and new Canadians while bringing non-registered practitioners into the Association. We need to assure we are demonstrating the value of registration and of the Association to everyone wanting to practice engineering and geoscience in BC. Meanwhile women continue to be under represented in our professions. We need to understand issues that act as barriers for women in our professions and support the advancement of women to senior and executive levels. Awareness of the impacts of pollution, unsustainable practices and climate change is increasing, concomitant with expectations from the public that professionals prioritize the protection of human health and the environment in decision making. We need to continue being leaders in environmental stewardship to meet the expectations of the public, our clients, and government.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

We are a forward thinking and progressive organization that is highly respected by our stakeholders and the general public. We continue to look proactively for operational improvement within the organization while keeping public safety and environmental stewardship in the forefront of our work. We continue to work with our membership, staff and government to ensure the Association is an effective and efficient regulator for the next generation of engineers and geoscientists.

## COUNCILLOR CANDIDATE (five to be elected)



### **M.E. (Martin) Fandrich, P.Eng. | Fort Langley, BC**

*This candidate has been nominated by 25 members of the Association.*

My father is a Professional Engineer, but growing up I had no idea what he actually did. I knew that he had a desk and I thought that he dealt with numbers and occasionally used computers.

I discovered what engineering is later, and I am still learning. I am proud of my profession and its role in society. This has led me to volunteer with Engineers and Geoscientists BC in various capacities over the years.

Our Association was been granted the right of self-governance. When we vote in council elections we exercise our right to regulate ourselves. Our proposed bylaw changes receive the input of thousands of professionals every time we vote. As members we need to value, maintain and protect this asset to our governance.

As an independent voice I hold that Council should:

- Value and respect our members and the volunteers on which our Association is built,
- Maintain the relevancy of the Association as engineering and geoscience roles evolve, and
- Actively highlight the irreplaceable value of our professions to the wellbeing and safety of the public.

Our professions are continually developing, and we need to ensure our Association is proactively-led. We need to operate in an open manner while being efficient and effective in fulfilling our core mandate.

## **EDUCATION**

Ph.D. (Mechanical Engineering), University of Cambridge, 1997

B.A.Sc. (Mechanical Engineering), University of British Columbia, 1993

## **PROFESSIONAL HISTORY**

President and Principal Consultant, Bannerman Consultants, 2008–present

Senior Consultant, Frazer-Nash Consultancy, 2002–2007

Senior Engineer, Lo-Rez Vibration Control Ltd., 2001–2002

Mechanical Analyst, Rolls-Royce Canada, 1997–2000

## **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Member, Registration Committee, 2014–present

Chair, Branch Representatives, 2012–2014

Member, Nominating Committee, 2009, 2012, 2013

Executive Member, Fraser Valley Branch, 2008–2012 (Chair, 2010–2011)

## **RELATED PROFESSIONAL ACTIVITIES**

Member, Board of Advisors, Answers by Engineers, 2016–present

Fellow, Institute of Mechanical Engineers, 2012–present (Member and CEng, 2004–present)

Executive Member, British Columbia Section, American Society of Mechanical Engineers (ASME), 2012–2015

Judge, Fraser Valley Science Fair, 2008

## **COMMUNITY INVOLVEMENT**

Executive Member, Langley Chapter, Canadian Parents for French, 2014–present (President, 2016–2018)

Member, Economic Development Advisory Committee, Township of Langley, 2012–2015 (Chair, 2015)

Judge, Provincial Skills Competition, Skills Canada, 2009

M.E. (Martin) Fandrich, P.Eng., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The key challenge facing Engineers and Geoscientists BC is one of balance. We need to protect the public within the framework of a self-governing profession. We need to set and hold high standards while listening to and being led by the members. While there are obviously benefits for the Association to have a role greater than simply setting a minimum level of competence and experience for entry into the professions, we should aim to be lean and efficient.

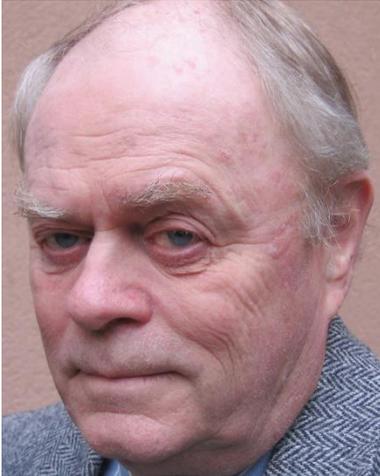
**What are the key issues facing the engineering and/or geoscience professions?**

The execution of every profession is being impacted by technology. The difference with our professions is that we are also creating the disruptive technologies. Society as a whole is facing many challenges and our professions are uniquely able to work towards some of the solutions. Often this involves interdisciplinary work, and our new members are less likely to conform to the classical engineering disciplines and educational paths more common in past generations. Our professions need to adapt in order to face society's challenges while maintaining our high standards.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

Our strength is our members. As professionals, we have globally respected knowledge. Engineers and Geoscientists BC can set the standard for regulatory bodies in BC because we have unparalleled skills already within our membership. With such a wealth of experience, we need to be an association that listens to its members. We need to continue to operate as a body where members desire to contribute as volunteers, and where volunteers feel valued for their contributions.

## COUNCILLOR CANDIDATE (five to be elected)



### **D.J. (Donald) Flintoff, P.Eng. | Richmond, BC**

*This candidate has been nominated by 25 members of the Association.*

#### **Issues:**

1. **Professional Reliance Report Recommendations Target Governance, Regulatory Review;**
2. **Council Approves 9% Membership Fee Increase;**
3. **Life Membership Proposed Bylaw Changes;**
4. **Transparency & Accountability;**
5. **The 2/3 Majority Issue;**
6. **Gag Rules- 2017 AGM**
7. **Continuing with Gag Rules at 2018 AGM**
8. **Obfuscate "No Votes" at Council**
9. **The Practice Review Program; and**
10. **The Future.**

*see [weblink](#) for further discussion of these issues*

*(EGBC has a 400 word limitation for Councillor statements including Statement Section, Education, Professional History, Engineers and Geoscientists BC Activities, Related Professional Activities, Community Involvement, Awards and Honours and Web Link)*

## **EDUCATION**

B.A.Sc., (Electrical Engineering), University of Toronto, 1970

## **PROFESSIONAL HISTORY**

Senior Electrical Regulatory Analyst, BC Utilities Commission, 2007–2015

Electrical Superintendent, Simon Fraser University, 2004–2007

Manager of Engineering and Estimating, Enmax Services, 2002–2003

Various Positions (Project Manager, Project Engineer, Electrical Engineer, Chief Electrical Engineer, Shareholder, and Director) in various consulting firms, 1970–2002

## **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Presidential Candidate, 2017

Councillor Candidate, 2012

## **RELATED PROFESSIONAL ACTIVITIES**

Field Safety Representative (FSR) Class A, Technical Safety BC, 1982–present

Numerous courses on safety and technical issues, 1970–2002

## **COMMUNITY INVOLVEMENT**

Director, Thompson Community Association, 2017–present

Member, Richmond Taxpayer Alliance, 2016–present

Warden, Camp 5 –Iron Ring Ceremony, 2008–present

Chair, Facilities and Parks Committee, Thompson Community Association, 2018

Chair, Constitutions and Bylaws Committee, Thompson Community Association, 2018

Richmond Representative, YVR Aeronautical Noise Management Committee, 2013–2014

President, Richmond Centre, Provincial Riding Association, 1991–1995

Advisory Planning Commission, City of Richmond, 1980s

## **AWARDS AND HONOURS**

Life Member, APEGBC, 2017

**WEB LINK:** <https://don-flintoff.business.site>

D.J. (Donald) Flintoff, P.Eng., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

Demonstrating to the government that the Association is capable of protecting the public interest by ensuring our members are capable of delivering a quality product that protects the public interest. This may cause us to “raise the bar” for admittance as a member; and abandon other pursuits to address this challenge.

**What are the key issues facing the engineering and/or geoscience professions?**

The government perception that another layer of oversight is necessary to ensure the Association protects the public interest. The attempts by Council and staff to suppress dissent and stifle the voice of the members at the AGM by continuing to introduce motions that have already been defeated by the members can be referred to as “The Gag Rules”.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

Considering the Report above, our ability to remain a self-regulating Association is at risk. Looking ahead, sadly, we may have to adopt a year 2000 Ontario solution of separating the regulatory and advocacy functions into two distinct organizations. There may be a need to create a BC Society of Engineers and Geoscientists that would be directly advocating our interests with government and industry. While this is not my preferred path, it may become a necessary path to take as the current Association moves to a more regulatory role under government influence. This may seem somewhat futuristic but keep in mind the Report states, “Ensuring that professional organization duties and objects are focused on regulation of the profession and the public interest, and do not include advocacy or representation of member interests;”

## COUNCILLOR CANDIDATE (five to be elected)



**S.K. (Susan) Hayes, P.Eng. | Victoria, BC**

*This candidate has been nominated by the Nominating Committee.*

Thank you for taking the time to review the candidates' statements and participate in the election.

Volunteering with Engineers and Geoscientists BC since 2005 has given me an understanding of and appreciation for how the association works in regulating engineers and geoscientists in our province. One of my favourite aspects is meeting many of the dedicated members and members-in-training to learn more about their volunteer roles with the association, as well as the interesting and diverse areas in which they practice on a daily basis.

For the past two years I have been fortunate to serve as a Councillor and have enjoyed both the primary role of setting policy and direction, as well as being appointed to several committees and groups. Some were new to me and expanded my experience with the regulatory environment, while others aligned with the causes that are of personal importance, including:

- **Sustainability & Climate Change:** Balancing the environmental, economic and other factors at play in helping our society move towards carbon neutrality.
- **Diversity in Engineering:** Targeting equality for all individuals within the profession.
- **Value of Engineers:** Helping the public better understand the value that our members bring to projects, not only technical knowledge and competence, but also an ethical standard and duty to protect the public.

I believe that the association is a strong regulator that continually works to improve its practices, to better protect the public and support members in doing so in their professional work. I hope to continue to play an active role in this interesting and important development.

### EDUCATION

B.Sc. Hons. (Mechanical Engineering), Queen's University, 2005

### PROFESSIONAL HISTORY

Principal & Building Performance Advisor, Focal Engineering Inc., 2015–present

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Council 30 by 30 Champion, 2017–present

Member, Advisory Task Force on Corporate Practice, 2017–present

Member of Council, 2016–present

Climate Change Advisory Group, 2016–present

Professional Practice Committee, 2016–2017

Member, Editorial Board, 2010–2016

Guest Participant, Sustainability Committee, 2012–2013

Advisory Board Member, DAWEG, 2007–2008

Treasurer, DAWEG, 2005–2006

### RELATED PROFESSIONAL ACTIVITIES

Chair, IBPSA BC Chapter Energy Modelling Association, 2015–present

Participant, Various BCBC Step Code & VBBL Working Groups, 2015–present

Internal Communications, IBPSA BC, 2013–2015

Director, Light House Sustainable Building Centre, 2013–2014

Mentor, YWCA High School Mentorship Program, 2007–2012

Co-founder & Chair, Cobalt Engineering Corporate Sustainability Committee, 2007–2010

Mentor, UBC Tri-Mentoring Program, 2006–2008

**S.K. (Susan) Hayes, P.Eng., continued**

## **COMMUNITY INVOLVEMENT**

Volunteer & Sponsor, World Vision, 1996–present  
Fundraiser, Leukemia & Lymphoma Society, 2009–2012  
Cardiac Ward Volunteer, St Paul's Hospital, 2007–2008

## **Q&A WITH CANDIDATES**

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

There are many important activities currently underway within the association, including addressing recommendations from both the independent External Audit of Legislative and Governance Functions initiated by the association, as well as the BC government's recent Professional Reliance Review of 5 provincial regulators.

However, a key initiative that has direct impact on protecting the public interest will be moving into the third phase of developing a plan for the regulation of corporations. This phase will include determining the structure of the proposed program to ensure the protection of the public without introducing onerous processes or costs to members and companies. In addition, it will be important to recognize the opportunity that this presents for the profession to communicate to the public the value of engineers and geoscientists, and the ethics that are brought to all interactions with our membership.

**What are the key issues facing the engineering and/or geoscience professions?**

As outlined in my candidate statement, I believe that sustainability, diversity in the profession, and enhancing the public's understanding the role of professional engineers and geoscientists are key topics to continue to be addressed by the profession.

In addition, the association faces a number of issues that are related to the changing regulatory environment including: regulating emerging areas of the profession that didn't exist when the Act was created, such as software engineering; updating the non-practicing member, life member and related bylaws; considering appropriate regulation of corporations; and addressing the topic of continuing professional development, which, although defeated in the last member vote, continues to be an important issue.

I also look forward to hearing from members about what issues are important to them in their various areas of practice and communities around the province.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

Engineers and Geoscientists BC is a well-respected regulator within Canada, and I would anticipate this to continue as services to members, regulatory practices and public protection measures continue to evolve and improve over the coming years.

I also hope that the association will continue to demonstrate leadership in encouraging and supporting members to strive towards new goals in areas such as sustainability and diversity. For example, with respect to the 30 by 30 initiative, 5 years from now is nearly half-way from today (2018) to the Engineer's Canada 2030 goal (which targets 30% of new professional engineers to be women in 2030). Therefore, I hope to see significant improvement over the current statistics (15% was achieved in 2017), and that the efforts made towards this specific target will also have had noticeable impact on other, broader areas of diversity within the profession.

## COUNCILLOR CANDIDATE (five to be elected)



**P.B.P. (Philippe) Kruchten, P.Eng., FEC | Vancouver, BC**

*This candidate has been nominated by the Nominating Committee.*

It would be my privilege to serve our membership again as a councillor. The experience of being a councillor has been very enlightening and fulfilling.

While advocacy for the profession, building a better image of engineering for the public, defining a new logo for the association, working with Victoria and Ottawa for policy changes and a revised Engineer Act, are all laudable goals or initiatives, our Council should not lose sight of the main mission of the Association, which is to register (i.e., to license) qualified individuals. Our licensing process should not be relegated to a back seat, some humming noise in the background. The introduction of the competency reporting system has been a great progress in this area, but more need to be accomplished to make it effective, efficient, and fairer for candidates. At the same time, I am not in favour of following the path of some other provinces and breaking out the pure regulatory function into a separate entity. This issue can be addressed under a

single umbrella by proper governance and resource allocations, and hopefully without a change in the “act”.

I can contribute to our next council my 18 years of experience with the registration process in various roles and capacities –in more recent years as chair of the registration committee-- and my experience of two terms in council.

### EDUCATION

Doctorat de l’Ecole Nationale Supérieure des Télécommunications, France, 1986

Diplôme d’ingénieur en mécanique, Ecole Centrale de Lyon, France, 1975

### PROFESSIONAL HISTORY

Professor of Software Engineering, UBC, 2004–present

Software Engineering Consultant, Rational Software (then IBM), 1987–2003

Software Engineer, Alcatel Business Systems, 1979–1987

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member, Registration Committee, 2005–present (Chair, 2006–2009, 2017–present)

Member, Board of Examiners, 2004–present (Chair, 2010–present)

Registration Interviewer, 2000–present

Member of Council, 2005–2009

Member, Software Engineering Task Force, 1999–2001

### RELATED PROFESSIONAL ACTIVITIES

Member, Technical Committee on Software Engineering, IEEE, 2018–present

Co-founder and Member, IFIP WG2.10 on Software Architecture, 1999–present (Chair, 2014–2018)

Treasurer, Canada Chapter of INCOSE, 1997–present

### COMMUNITY INVOLVEMENT

Member, Selection Committee, Manning Innovation Awards, 2013–present

Member, Vancouver Angel Technology Network, 2013–present

Board Member and Webmaster, Whiff of Grape Vancouver, 2000–present

**WEB LINK:** <http://ece.ubc.ca/faculty/philippe-kruchten>

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

Losing track of the main mission and become distracted by indeed useful and laudable initiatives that are not strictly related to the main mission.

**What are the key issues facing the engineering and/or geoscience professions?**

1. The apparition of new “emerging” disciplines, far from the traditional core triplet (Civil, Mechanical, Electrical), which do use or not the word “engineering”, and which pose challenges in regulation (should they be regulated?), and licensing (how do we assess education and experience?). Combined with a lack of direction from government (provincial and federal) on how to deal with these new disciplines may lead to diverse treatment across the country. For example, what to do with “genetic engineering”? Is it engineering, does it put the public at risk?
2. Revision of the Engineer Act has been with our provincial legislature has been the goal of every council that I can remember, and is still prominent in the 2017-2020 vision. How can we make real progress?

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

That it be an effective regulatory body, and not primarily an advocacy body. That it comes to grips with new forms of engineering. That the BC Engineer act be updated.

## COUNCILLOR CANDIDATE (five to be elected)



**B.K. (Brent) Lyon, P.Eng. | North Vancouver, BC**

*This candidate has been nominated by the Nominating Committee.*

Engineers and Geoscientists BC was founded to uphold and protect the public interest and safety. Delivering on this not only requires enforcement and standards, but also advocacy. Strong ethics and quality of work alone do not guarantee success.

I support initiatives and alliances that allow us to do good work, plain and simple. I support efforts to implement bidding practices like QBS, as it allows engineers and geoscientists to focus on doing quality, efficient work, rather than simply undercutting rates. I support diversity initiatives such as 30-by-30 because it brings a greater talent base and fresh perspectives into our ranks. I support CPD requirements as they align with our position as a self-governing association of professionals trusted to provide up-to-date technical advice. Where the need for an engineer or geoscientist is being marginalized, I support efforts to ensure public safety comes first. So, if a non-engineer/geoscientist feels they can probably design a retaining wall, I'm going to push

back. Hard.

In my career, I've been fortunate enough to have candid discussions with thousands of engineers and geoscientists, typically talking about both the work they enjoy as well as their frustrations. More often than not, the "ask" takes the form of getting to quality work. I view this as not only reasonable, it is also admirable. We have allies in industry, government and the general public that support us in this endeavour – let's make that happen.

### EDUCATION

B.A.Sc. (Chemical Engineering), University of British Columbia, 1996

### PROFESSIONAL HISTORY

Principal, Lyon Consulting, 2015–present

Partner / National Practice Leader (Engineering) / Senior Consultant, David Aplin Group, 2006–2015

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Executive Member, Sea to Sky Branch, 2007–present (Vice Chair, 2016–2017, Chair, 2017–present)

Guest Speaker, University Industry Nights / ITEG / Career Development Events, 2009–present

Member, Employer Advisory Committee, 2017

Event Chair, Popsicle Bridge Competition, 2007–2014

### RELATED PROFESSIONAL ACTIVITIES

Panelist Speaker (Audience – International Professionals), IEBCA / NSMS / Training Innovations, 2015–present

Presenter / Volunteer Interviewer (Audience – Mature Jobseekers), LoganHR / Minerva, 2011–present

Keynote / Panelist Speaker (Audience – Students & New Graduates), UBC / SFU / WEC / GSA, 1999–present

### Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The erosion of trusted and respected professional status of engineers and geoscientists in BC, at the expense of public safety and efficient projects. This pressure comes in many forms. It can be tender documents that focus almost entirely on price. There is also the practice of offshoring engineering and geoscience services, then having a local professional approve designs with which he/she had little oversight. There are some groups lobbying for certain engineering and geoscience services to no longer require the stamp of a Professional Engineer or Geoscientist (e.g. Phase 1 environmental assessments, retaining walls, etc.). In every case, the initial project cost is marginally reduced while the public is exposed to increased safety risks, greater life-cycle costs and project overruns.

## **B.K. (Brent) Lyon, P.Eng., continued**

### **What are the key issues facing the engineering and/or geoscience professions?**

1. Maintaining the privilege of self-governance by continuing to earn the public's trust.
2. Keeping pace with technology and industry so that engineering and geoscience oversight isn't left behind.
3. Inclusivity – eradicating any systemic prejudices that prevent talent from being brought into our ranks.
4. The “silver tsunami” – ensuring the next generation of engineers and geoscientists are well prepared and mentored so they can take on increased responsibilities as boomers retire.

### **Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

I see increased advocacy to ensure that the public sees us as a trusted entity founded and focused on the protection of the public interest. This helps both businesses and companies recognize the value that engineers and geoscientists deliver, and also supports our interest in continuing to be a self-governing association. I also see closer collaboration with industry associations (ACEC-BC, CIM, etc.) and all three levels of government. There's no need for Engineers and Geoscientists BC to go-it-alone on many of our initiatives, especially when they are in pursuit of improved public safety, diversity, and economically viable projects.

## COUNCILLOR CANDIDATE (five to be elected)



**A.J. (Andy) Mill, P.Eng., Struct.Eng., FEC | North Vancouver, BC**

*This candidate has been nominated by the Nominating Committee.*

This is not my first rodeo. I have had the pleasure and privilege to serve on many Engineers and Geoscientists BC Councils and committees over many years. For some, this may be seen as a disadvantage, for others an asset; it is however the truth of what I offer. It strikes me that selecting a candidate to serve should somehow be based on what he or she will do, and less on what they have done. Given that if elected to Council there will be a broad array of issues addressed, I thought perhaps I could offer some principles that would frame my involvement; I offer these in the form of seven promises.

I promise to participate in debate prepared and open minded, without a predetermined agenda.

I promise to support decisions in the best interest of the public and the profession, in that order of priority, and all before my own interest.

I promise to practice diversity, tolerance, and civility; basic tenets that seem to be rarefied.

I promise to respect the environment.

I promise to embrace and advocate science and knowledge-based decision making.

I promise to uphold the three pillars our association: protection of the public, regulation of our professionals, and promotion of the profession. It is the ethical foundation of our Engineering and Geoscience professions that allows our association to both regulate and promote the professions under one umbrella.

I promise to respect and strengthen the privilege of a self-governing profession.

Thank you for taking the time to read all the candidates statements and "Q&A", and for considering my candidacy.

### EDUCATION

Diploma (Urban Land Economic), University of British Columbia, 1992

M.A.Sc. (Structural Engineering), University of British Columbia, 1985

B.A.Sc. (Hons. Civil Engineering), University of British Columbia, 1983

### PROFESSIONAL HISTORY

Director, Buildings Group, David Nairne and Associates Ltd., 1995–present

Structural Engineer and Project Manager, Dominion Construction Ltd., 1985–1995

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member, Investigation Committee, 2014–present

Chair, Seismic Peer Review Committee 2005–present

Member, APEGBC/ASTTBC Joint Board, 2014–present (Co-Chair, 2015–present)

Member of Council, 1991–1993, 1994–1996, 1997–2001, 2004–2006, 2010–2014

Member, Registration Committee, 1991–1993, 2004–2006 (Chair, 1997-1999, 2010-2014)

Member, Practice Review Committee, 1997–2005, 2009–2011

### AWARDS AND HONOURS

Meritorious Award for Professional Service, Engineers Canada, 2016

President's Award Special Recognition, APEGBC, 2007

A.J. (Andy) Mill, P.Eng., Struct.Eng., FEC continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The key challenge facing our association is remaining relevant, current, and progressive. In times of rapid change, this can only be accomplished through persistent and meaningful dialogue with government, industry and our members. We are competing with a deluge of information being delivered to our audiences from a myriad of sources; our messaging must be clear, succinct, topical and meaningful.

**What are the key issues facing the engineering and/or geoscience professions?**

I believe the key issues facing our professions are linked to the very nature of what we do: the battle between what is real and what is just shiny. The massive array of information available, including technical information, has and will produce a class of quasi professional that can provide quick and visually appealing answers that are often twaddle. As professions that require considered thought, analysis and deliberation to reach conclusions in an era of impatience and misinformation, it is our collective voice(s) that is required to assert the truth.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

A five-year vision of three things:

1. Engineers and Geoscientists BC is recognized as the most respected professional regulatory body in BC... and Canada.
2. An unquestioning acceptance by government, industry and the public that the Engineering and Geoscience professionals, both as individuals and a collective, embody ethical, trustworthy and knowledge-based behaviour.
3. A contemporary Engineers and Geoscientists Act written by our hands that allows our professions to race into the future unfettered by reference to airships.

## COUNCILLOR CANDIDATE (five to be elected)



### C.R. (Chris) Moser, P.Eng. | Langley, BC

*This candidate has been nominated by 25 members of the Association.*

Thank you for taking the time to read the Candidate Statements and voting in this election. I appreciate that this shows you are interested in the future of our association and want to elect candidates who are capable of providing good leadership. I served on the EGBC Council from 2015-2017, and am now seeking re-election.

From my Engineering activities during the last 38 years I understand the direction that the Association needs to go in order to protect the public and to champion Engineers in BC.

I have experienced Engineering work from the perspective of working in a Design Office, working as a sole Proprietor and working at a Production site. Consistently I have found Engineers to have similar concerns.

All are aware of the potential impact to the public of their actions and decisions and are looking to do their work competently and safely, but are finding that their ability to function effectively is being hampered by a lack of mentoring and exposure to useful training.

I do not believe that the EGBC Continuous Professional Development (CPD) program encourages employers to ensure that the Engineers on their staff have sufficient training.

I think that the intent of Continuous Professional Development (CPD) needs to become more targeted with EGBC monitoring the training programs provided by the employers of Engineers. I can see that there is a workable solution via expanding the existing EGBC OQM program to include monitoring of training and I want to see this implemented in BC and across Canada.

I am seeking your vote to be elected as Councillor for the 2018-2020 cycle so that I can work with the EGBC association to put a structure in place that will ensure all of us are able to get the training we need to complete our assignments effectively.

## EDUCATION

B.A.Sc. (Chemical Engineering), University of British Columbia, 1980

## PROFESSIONAL HISTORY

Senior Engineering Specialist, Chemtrade, 2012–present  
Vice President, Technology, Lignol Innovations, 2010–2012  
Proprietor, Moser Inorganic Technologies, 2006–2010

## ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member of Council, 2015–2017

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

The key challenge is to confirm that Engineers have sufficient knowledge and training to function effectively in the position they are assigned.

**C.R. (Chris) Moser, P.Eng., continued**

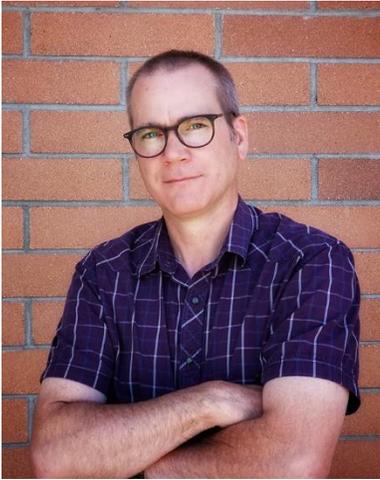
**What are the key issues facing the engineering and/or geoscience professions?**

To protect the Public, Engineers must get every decision correct the first time, so ensuring each Engineer has sufficient knowledge and training to function safely and effectively is paramount.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

To work closely with employers of Engineers in the province of BC to ensure that Engineers are being exposed to sufficient training to allow them to competently undertake the responsibilities assigned to them.

## COUNCILLOR CANDIDATE (five to be elected)



### **R.B. (Brock) Nanson, P.Eng. | Kamloops, BC**

*This candidate has been nominated by 25 members of the Association.*

I'm running for a second term because I believe there is still very important work to be done. And more specifically, that I'm able to contribute in a meaningful way to get it done.

The Professional Reliance Report is a shot across our bow. The recommendations within are extremely concerning as they threaten to erode or eliminate our ability to govern ourselves. If the CPD bylaw of 2015 caused members to open one sleepy eye, the Report should snap them fully awake.

I've now seen two groups of newly-elected councillors join council. In reality, it takes much of the first year for a new councillor to get up to speed with the details of current issues and history and become effective in their role. Perhaps a term should be 3 years instead of 2, but that's an issue for another day.

I believe I was elected in 2016 largely due to my concern about the circumstances that lead to the failed 2015 CPD vote and aftermath. I soon learned that the CPD committee was unusual as it didn't include a council representative. To me, this was a failing! I arranged to attend CPD meetings as an observer and my report back to council resulted in the committee being modified to include two council members. And yes, I'm one.

I challenged the committee to step back and reassess the problem. And council experience allowed me to explain how other EGBC endeavors (Corporate Practice and OQM) could connect. I now envision a solution that is more surgical, much less onerous and much more practical. And I expect it will be truly supported by employers if/when Corporate Practice becomes reality.

Demonstrating we're on track as an Association is vital. I'm respectfully asking the membership for another two years to help move us in the right direction.

## **EDUCATION**

B.A.Sc. (Civil Engineering), University of British Columbia, 1989

## **PROFESSIONAL HISTORY**

Director, Engineering & Construction Services, TRU, 2018–present

Project Manager, CTQ Consultants / Certes Applied and Natural Sciences Ltd., 2008–2018

Project Engineer, TRUE Consulting Group, 1991–2008

## **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Member of Council, 2016–present

Member, Registration Committee, 2016–present

Member, Continuing Professional Development Committee, 2017–present

## **COMMUNITY INVOLVEMENT**

Member, Steering Committee, BC Sustainable Energy Association, Kamloops Chapter, 2016–present

Member, Strata Council, Settler's Crossing, Sun Peaks BC, 2016–present

Vice President/Co-Founder, Tesla Owners Club of BC, 2016–present

Director, Kamloops Gymnastics and Trampoline Centre, 2011–2017

R.B. (Brock) Nanson, P.Eng., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

My answer to this question in 2016 has turned out to be perhaps somewhat prescient: "APEGBC self-determination." And, "...the next term will shape the Association for years to come. Crucially, our ability to govern ourselves."

It's now July 2018, we've rebranded as Engineers and Geoscientists British Columbia and the recently-released Professional Reliance Report has made some very concerning recommendations that threaten to impact our ability to govern ourselves. Anyone who hasn't already seen the June 28th news posting on the Association website discussing the report absolutely should read it! I believe it's safe to say that there's never been a bigger potential threat to our professions than this!

I ran in 2016 because I was quite sure the Association was in for some big challenges – mostly driven by the CPD issue - and I wanted to help the Association find its way. However, I must admit that I didn't appreciate the challenges could be quite this significant! It's turned out that the divisive views on CPD were just the tip of the iceberg and rather trivial compared to what we're now facing.

I'm running again because I believe the two years I've spend on council have prepared me to help the Association navigate the turbulent waters ahead. With the challenges we now must accept we are facing, I can't, in good conscience, NOT run for re-election when I know I have useful experience and still have plenty of ideas and energy to contribute.

**What are the key issues facing the engineering and/or geoscience professions?**

The issues aren't issues so much as they are objectives of the Association. I'm referring to the end goals of the Corporate Practice task force, the CPD committee, and to some extent, the values of the OQM program.

The failed CPD vote of 2015 triggered my decision to run in 2016. I wasn't convinced that the CPD bylaw had been designed to satisfactorily address the knowledge and ethics gaps of members that lead to disciplinary actions and – worse – public safety failures. I saw the bylaw as a big stick to be swung somewhat blindly, in the hope that it would somehow connect with the problem. This wasn't the way I believed engineers and geoscientists should operate. I therefore had to vote against the bylaw.

The Corporate Practice task force has done an incredible job of examining the effects of regulating companies and organizations (employers). I can see how corporate regulation could include a CPD component developed in-house by each employer, tailored to address the specifics of the employed professional's practice and level of risk to the public. The result would typically be a far less onerous CPD program that is both relevant to the professional and supported by the employer.

The Professional Reliance report indicates that a CPD program of some sort will be required, whether desired by members or not. Better we build one that is supported by other EGBC objectives, is attractive to government and confirms we are capable of governing ourselves, than settle for the alternative.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

My vision for the next five years is derived from the challenges the Professional Reliance (PR) Report will undoubtedly trigger.

It's been said that challenges are also opportunities. What I've seen in my term to date is a picture that is comprised of the Corporate Practice task force recommendations, CPD committee findings and the OQM program melding into a new regulatory model for EGBC. But to implement a new model would require – essentially – an Act rewrite. Such a rewrite is always at the pleasure of government and until now, seemed highly unlikely to be of interest to government.

## R.B. (Brock) Nanson, P.Eng., continued

Our act is essentially 100 years old and many of today's disciplines and modern realities weren't even imaginable at that time it was written. A rewrite now makes sense and the PR report may be the way to encourage it to happen. It follows that my five year vision for EGBC is of a process to protect the Association from the potential threat of the recommendations made in the PR Report while renewing the relevance of our Act, with the primary objective of retaining our ability to responsibly govern ourselves. Given the current political climate, this will be a delicate process, requiring us to balance our desire to govern ourselves with the renewal and greater accountability the government is looking for. The next five years will redefine the Association. It's up to us to ensure the redefinition suitably reflects who we are.

## COUNCILLOR CANDIDATE (five to be elected)



### **R.N. (Nimal) Rajapakse, P.Eng. | Vancouver, BC**

*This candidate has been nominated by the Nominating Committee.*

I am honoured to be nominated as candidate for council by the EGBC nominating committee. I was elected to the council in 2017 for one year. My interactions with EGBC over the past year have further reinforced my interest to serve our professions and members and work together to maintain a world-class regulatory framework. In this regard, the recent review of professional reliance in the natural resource sector presents several challenges to EGBC and its members. EGBC's response to the review and future proposals to revise the regulatory model should include wide consultation with members. I support improvements to the regulatory framework without diluting its autonomy and integrity. Our regulatory model should continue to promote professional excellence and a competitive and ethical professional environment. We also have other challenges such as the under representation of indigenous peoples and women in our professions; declining interest in registration; and integration of continuing professional development. As council member, I will actively work with EGBC and members to find practical solutions to the above

challenges; strengthen communication between EGBC and its members; enhance services available to members; support and modernize the accreditation of engineering and geosciences programs in Canada; and promote diversity and equity in our professions.

### **EDUCATION**

D.Eng. (Structural Engineering), Asian Institute of Technology, 1983

M.Eng. (Structural Engineering), Asian Institute of Technology, 1981

B.Sc. Hons. (Civil Engineering), University of Sri Lanka, 1977

### **PROFESSIONAL HISTORY**

Professor, School of Engineering Science, SFU, 2009–present

Vice-President (Research & International), Carleton University, 2015–2016

Dean, Faculty of Applied Science, SFU, 2009–2015

Professor, Department of Mechanical Engineering, UBC, 2000–2009 (Head, 2000–2007)

### **ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES**

Member of Council, 2017–present

Member, Audit Committee, 2017–present

Member, Registration Committee, 2017–present

### **RELATED PROFESSIONAL ACTIVITIES**

Member, Board of Directors, Electricity Human Resources Canada, 2010–2016 (Member, Executive Committee, 2014–2016)

Member, Mayor's Advisory Committee on Health Technology Initiatives, City of Surrey, 2013–2015

Member, Mayor's Advisory Committee on Clean Energy Initiatives, City of Surrey, 2010–2015

Member, Audit Committee, National Council of Deans of Applied Sciences and Engineering, 2011–2013

### **COMMUNITY INVOLVEMENT**

Chair, Board of Directors, Society for Homeless, Ill, Needy and Elderly (SHINE), Vancouver, 2018–present

Benefactor, Maithree Orphanage for Girls, Colombo, Sri Lanka, 2014–present

Volunteer, Heart and Stroke Foundation of BC, 2001–2010

### **AWARDS AND HONOURS**

Science Without Borders Visiting Professor, CAPES, Government of Brazil, 2014–2018

Fellow, Engineering Institute of Canada, 2009

Meritorious Achievement Award, APEGBC, 2005

Fellow, Canadian Academy of Engineering, 2002

Horst Leipholtz Medal, CSCE, 2000

R.N. Rajapakse, P.Eng., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

Protection of autonomy of the regulatory framework is the key challenge facing us. It is critical for EGBC to develop a careful strategy to respond to the recent government review of professional regulators in the natural resource sector. We should ensure that any change to the current regulatory framework is done after a fully consultative and transparent process. We should resist attempts to add layers of bureaucracy and undermine the value of self-regulation.

**What are the key issues facing the engineering and/or geoscience professions?**

- Government relations and public perception
- Career development of younger members especially the EIT/GIT group and internationally qualified engineers
- Under representation of females and indigenous peoples
- Challenges to international mobility due to emerging international trade disputes

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

To continue its role as an independent self-regulatory body which supports and promotes professional excellence to protect the public interest and serve the society.

## COUNCILLOR CANDIDATE (five to be elected)



### L.B. (Larry) Spence, P.Eng. | Trail, BC

*This candidate has been nominated by the Nominating Committee.*

I am honoured to be nominated for Council re-election, and ask your support for the continued opportunity to give back to my chosen profession.

Based on my past two years on Council, as well as time spent on Governance, Professional Practice and Registration committees, I better appreciate the hard work of staff and the many volunteers that ensure our Association functions effectively. I can assure you that our collective focus is on maintaining the privilege of self-regulation. I believe this privilege benefits all Association members.

My hope is to continue working on key initiatives such as;

- Following up on external & Government audits of the Association
- Establishing Corporate regulation
- Continuing to improve transparency of Council & Association activities
- Ensuring appropriate staff support increases are deliberated & budgeted
- Improving gender & ethnic diversity
- Increasing rights for MIT's
- Improving access to professional development for those outside the lower mainland
- Maintaining strong governance of the Association

If re-elected I will continue to stay connected with my local branches, and continue to listen to the membership as a whole. I will also continue to be well prepared and ask challenging questions at the Council table when needed, always with the best interests of our stakeholders and members in mind.

Our Association and Council needs to continue to work diligently on improving delivery of our mandate, particularly focusing on Government relations & Public trust as they relate to Professional Engineering and Geoscience.

I urge you to stay informed, hold Council accountable and help us ensure our professions stay respected & valued.

## EDUCATION

B.A.Sc. (Mechanical Engineering), University of British Columbia, 1983

## PROFESSIONAL HISTORY

Senior Project Manager, Wood Canada Ltd., 2000–present  
Customer Service Representative, Ahlstrom Services, 1998–2000  
Sales Manager, Kvaerner Pulping, 1994–1998  
Engineering Superintendent, Fletcher Challenge Canada, 1989–1994  
Project Engineer, BC Forest Products, 1984–1989

## ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member of Council, 2016–present  
Member, Governance Committee, 2017–2018  
Member, Professional Practice Committee, 2016–2018  
Member, Registration Committee, 2016–2017

## RELATED PROFESSIONAL ACTIVITIES

PMP, Project Management Institute (PMI), 2014–present  
Corporate Representative, ACEC-BC, 2011–present  
Member, CIM, 2006–2012 and Paptac, 1986–2001

## COMMUNITY INVOLVEMENT

Billet Family, Trail Smoke Eaters Hockey Club, 2007–2016  
Member, Mackenzie Volunteer Fire Department, 1988–1994

L.B. (Larry) Spence, P.Eng., continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

Maintaining the privilege of self-regulation.

The Association exists via the Engineer's and Geoscientist's Act, and operates at the pleasure of Government with the primary objective to uphold and protect the public interest. At the 2016 AGM, MLA Ralph Sultan, P.Eng. warned that Government can act quickly should public trust falter.

The recent Professional Reliance review report commissioned by the Ministry of Environment is a prime example of this. In it there are recommendations for governance of our Association that have the potential to significantly impact future generations of engineers and geoscientists. Not all the recommendations are necessarily bad, as many are in line with previous Council recommendations to Government.

I am particularly concerned with the recommendation "to take over some or all of the duties of a professional organization if necessary, to protect the public interest", as well as the appointment of all Council members as opposed to the current election process.

Senior Association representatives are actively participating in stakeholder consultations to better understand the Government's intentions.

An external audit report on the Association's legislation and governance is also being shared with Government. It states that our Association meets seven of nine prescribed Standards of Good Regulation, with actions already initiated pre-audit to meet the other two.

I urge you to review both reports for yourself (available through the Association website), and share your opinions, both positive and negative with staff, Council and/or your MLA.

### **What are the key issues facing the engineering and/or geoscience professions?**

Continuing to promote the benefits and value of being a member of Engineers and Geoscientists BC to our own members, as well as to the public. We all must recognize that our primary mandate as a professional is to uphold and protect the public interest. While recent public surveys identify the professions of engineering and geoscience as trustworthy, there is always room for improvement.

We also rely on the public to influence Government who ultimately control how our Association operates. All members must be advocates for our professions and Association if the privilege of self-regulation is to continue.

Over the past two years, participating in new member induction ceremonies around the province has reminded me of the pride I felt in receiving my P.Eng. over 30 years ago. I ask you to reflect on how you felt in achieving your own professional designation, and if the privilege of self-regulation is important to you.

Assuming it is, please get involved however you are able to. Support the Association as we help demonstrate to the public & Government that our professions are every bit as trustworthy and valuable as any other.

**L.B. (Larry) Spence, P.Eng., continued**

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

In five years' time I hope for:

- Continued privilege of self-regulation.
- Further improvement in public perception of engineers and geoscientists as professional contributors to society.
- Established value added processes for regulation of corporate practice.
- Increased trust in our Council and Association staff.
- Increased engagement of our membership.

## COUNCILLOR CANDIDATE (five to be elected)



**K.P. (Kevin) Turner, P.Eng., FEC, FGC (Hon.) | Kamloops, BC**

*This candidate has been nominated by the Nominating Committee.*

Receiving a professional service award last year inspired me to re-engage with the membership by seeking another term as a Councillor. The recent release of the Haddock's *Professional Reliance Review* report will require sober reflection by the Association and indeed by each Member, just as the Closkey Commission report did in 1991 following the Station Square structural collapse. As a minimum, it will require us to provide assurance to the public and verification to the government that we are adequately managing the professions. Equally as important, it could lead to the crafting of a modern legal and regulatory framework to better manage the geoscience and engineering professions in the future. This will require strong leadership and an energized Council, together with attentive engagement with the Members.

I am keenly interested in the opportunity to work once again with fellow Councillors and the many Members who continue to provide an enormous amount of volunteer effort, passion and expertise to the professions. I believe my experience in both the private and public sectors, together with the professional overlap between the geoscience and engineering professions, which I am fortunate enough to have enjoyed in my career, will be a valuable asset to Council. I can draw on my past experience on council, my experience as chair of the Geoscience Committee and other committees and divisions, and my current role as a professional quality assurance manager and mentor.

### EDUCATION

B.Eng. (Civil Engineering), Technical University of Nova Scotia, 1987

### PROFESSIONAL HISTORY

Senior Geotechnical Engineer, Westrek Geotechnical Services, 2008–present

Regional Geotechnical Engineer, BC Ministry of Forests & Range, 1996–2008

Project Geotechnical Engineer, Agra Earth & Environmental, 1989–1996

### ENGINEERS AND GEOSCIENTISTS BC ACTIVITIES

Member, Mentoring Committee, 2015–present

Reviewer, Technical and General Practice, 2006–present

Executive Member, South Central Branch, 2005–present

Member, Geoscience Committee, 2006-2014 (Chair, 2007–2014)

Member, Executive Committee, 2009–2010

Member of Council, 2006–2010

Member, Registration Committee, 2006–2008

Member, APEGBC/ABC FP Joint Practice Board, 2005–2006

Executive Member, Division of Engineers and Geoscientists in the Forest Sector, 2001–2003

### RELATED PROFESSIONAL ACTIVITIES

Guest Lecturer, 1st Year Engineering Program, TRU, 2015–present

Organizing Committee, Popsicle Stick Bridge Building Contest, South Central Branch / TRU, 2006–present

### COMMUNITY INVOLVEMENT

Volunteer, Cystic Fibrosis Canada, Kamloops Chapter, 2014–2017

Canvasser, Kidney Foundation of Canada, 2003–2004, 2006–2010, 2012–2016

Board Member, Children's Circle Childcare Centre, Kamloops, 2002–2006

### AWARDS AND HONOURS

D.C. Lambert Professional Service Award, APEGBC, 2017

Honorary Fellowship, Geoscientists Canada, 2014

Fellowship, Engineers Canada, 2011

**WEB LINK:** <https://www.egbc.ca/awards-videos>

K.P. (Kevin) Turner, P.Eng., FEC, FGC (Hon.) continued

## Q&A WITH CANDIDATES

**Engineers and Geoscientists BC is the regulatory authority charged with protecting the public interest with respect to the practice of engineering and geoscience in the province of BC. What is the key challenge facing Engineers and Geoscientists BC?**

Haddock's recommendations to the British Columbia government on professional reliance has some potentially ominous implications to the governance of our professions. While it is focused on the natural resource sector, there are several key messages that should not be overlooked by the other sectors in which our Members operate. The report may reflect the public's and possibly the government's broader skepticism towards various professional organizations that are charged with protecting the public interest, as reflected in the extraordinary relinquishment of OIQ's authority to self-govern the engineering profession in Quebec. Reassuring and/or strengthening the public's, the government's, and even our Member's trust that the Association is managing the profession to the best of its ability given its regulatory framework and available resources, while avoiding the impression of self-interest, is the key challenge.

**What are the key issues facing the engineering and/or geoscience professions?**

The Association must continue to navigate the balance required to manage its regulatory and advocacy roles. The Haddock report acknowledged the Association's dual role, but it included a recommendation to create another government body to provide oversight to the professions. This has the potential to be a significant issue in the ability of engineers and geoscientists to manage their own professions. We can build on the nearly 100-year old legacy of managing the professions and the success of past Councils to evolve our profession when needed. For our Association to maintain this role, it will likely require a more modern legal framework to continue to achieve this. In the meantime, Council's issue will be the careful development and implementation of any initiatives to maintain the public's trust without increasing unnecessary burden to the Member professionals.

My experience has been that most Members are well aware of the reliance that the public places on their work. Past initiatives like the practice review program, and the success of the OQM program clearly demonstrate that most Members will adopt initiatives that make sense. These programs have included initiatives for maintaining technical competence, but they may have fallen short in increasing the Member's role and responsibility in caring for the professions. So additional support for Members may have to be considered to meet the objectives and goals of programs like the Practice Review and OQM programs.

**Looking five years ahead, what is your vision for Engineers and Geoscientists BC as a professional regulatory body in BC?**

A new regulatory framework that governs our professions will eventually occur, and optimistically it will include a suite of more modern tools to provide assurance that our Members understand their role and are practicing towards the highest quality standards. This will take an enormous volunteer and corporate effort, but these are the things that will attract the brightest and best to the association. In five years we should have achieved full adoption of competency-based applications for professional licensure, which will help applicants prepare their applications and give them the road map they need for advancing their "in-training" careers. Initiatives like this are essential for the future well-being of our profession but like any initiative they will need to be examined for efficacy. We will continue to take pride in the fact that we are one of the most progressive professional engineer and geoscience associations in Canada.



**ENGINEERS &  
GEOLOGISTS**  
BRITISH COLUMBIA

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