

2020 Engineering Nominees

Platforms, Histories, and Professional Activities for Election to
the Council

Daniel Balcha, P.Eng.

Candidate nominated by Members

EDUCATION:	PhD Mechanical Engineering, University of Manitoba, 2014 M.Sc. Mechanical & Manufacturing Engineering, University of Manitoba, 2010 B.S.M.E, University of Minnesota, USA, 2005 B.Sc. Double Major-Applied Mathematics & Physics, University of Winnipeg, 2004
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2013 Ethio-Eritrean Members Chapter, Advisory Board member, 2019 EngGeoMB-CTTAM Joint Board member, 2017
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Canadian Society for Mechanical Engineering member Canadian Standard Association (CSA): Fuels and Appliances Technical Committee member CSA Technical Subcommittee for Gas Operated Agricultural Equipment member CSA Propane Autogas Technical Committee member Interprovincial Gas Advisory Council (IGAC) Member/Vice Chair
EMPLOYERS SINCE GRADUATION:	Government of Manitoba: <ul style="list-style-type: none">• Municipal Relations Safety and Technical Engineer, 2020 to present• Growth, Enterprise and Trade, 2016-2020• Labor and Immigration, 2014-2016 NSCC-Nautical Institute-Marine Engineering Department, Faculty, 2013-2014 University of Manitoba: <ul style="list-style-type: none">• Research Associate, 2009-2013• Research Assistant, 2007-2009

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

The Council is ensuring the public that those engaged in professional activities affecting their lives are competent to do so. The reason for this is that the public should be able to be confident that qualified and ethically accountable professionals make engineering decisions affecting their lives.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

The expectation of the end for the Association is to make sure legislators and the public understand the value of professional engineers, encourage professionals to continue their professional development throughout their careers and keep current in their specialty fields by engaging in professional and ethical practice. It is critical that the Association reinforces the trust that society has in the expertise and professionalism of professional engineers. In order to achieve this goal, the Association is required to set the education standards for engineering programs that provide the underpinning knowledge and understanding required to practice engineering. Setting standards for professional development in collaboration with the professional engineering community, the Association needs to continue to ensure that those who become professionally registered are not only competent and committed to the profession, but are able to work in an ethical, sustainable and safe manner. The Association also requires ensuring that no barriers exist for anyone appropriately qualified to become professionally registered and promoting diversity and inclusion policies and practices across the profession.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

The most important characteristic of a good councillor should be the commitment to linking with the legal and moral ownership that requires understanding of Council's collective stewardship for the organization comprised of diverse people. This is an important characteristic because in order for the decision making of the Council to be ethical, due consideration must be given to all members -- as a whole -- not as individuals. By connecting with the ownership, the Council is able to determine what business the Association is in to actively seek to access and understand that diversity, promote diversity, broadly defined, by modeling equity and inclusion through its policies and practices.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I work as safety engineer with a focus to safeguard both persons and property from fire and life safety hazards through education, investigation, emergency response and code application-all of which heavily depend on engineering science. This real life application of engineering practice allows me to make a good councillor who can inform our members and society-at-large of the engineering profession affecting their lives, study, and work and support the Association's advocacy and members' engagement of policymakers at all levels. As a councillor of global experience, I can contribute to the Association's effort to expand its membership base, promote member engagement, celebrate the rich diversity and breadth of its membership, gather member input, serve member needs, and connect members to each other and the broader communities of stakeholders.

As an internationally educated engineer, I have witnessed the Association come a long way

toward valuing foreign credentials. However, we are not there yet giving the deserved recognition to such sought engineering skills brought to the province. As a councillor, I would like to contribute to the Association to embrace business improvement techniques to ensure all registration processes remain efficient and easy to understand. In addition, I would like to be a voice to the next generation of internationally educated engineers to have diversity and inclusion policies and practices of accepting foreign credentials and experiences in place. It is my strong belief that by streamlining the processes and reducing persistent information gaps, we can create a more inclusive economy and society for Canada. At the same time, it is possible to ensure all practicing engineers in the province of Manitoba are held to exacting educational, experiential, and ethical standards, with licensure only granted to those who meet or exceed those standards.

Vaibhav Banthia, P.Eng.

Candidate nominated by Council

EDUCATION:	M.Sc. Civil Engineering, University of Manitoba, 2003 B.Eng. Civil Engineering, University of Pune, India, 1997
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2004 Engineers Geoscientists Manitoba Councillor, 2018 to present Audit Committee, 2019 to present Ownership Linkage Committee, 2018-2019 India Members Chapter, Founding member and past Chair, 2016-2020 Academic Review Committee, 2014-2018
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Canadian Society of Civil Engineering, Regional Vice-President - Prairies, 2019 to present Canadian Society for Civil Engineering, Executive for Manitoba Section, 2011-2018 Association of Consulting Engineering Companies' Image Committee. Speaker's Bureau Coordinator, 2013-2015 Participated in multiple high school presentation and career fairs to advocate engineering as a career Volunteer at International Centre of Winnipeg to mentor newly arrived skilled immigrants Mentor and judged Capstone Design projects Volunteer judge at Manitoba Schools Science Symposium
EMPLOYERS SINCE GRADUATION:	City of Winnipeg, Bridge Projects Engineer, 2016 to present Tetra Tech, Senior Structural Engineer, 2002-2016 Ghate and Associates, Junior Engineer, 1997-1999

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Having served as a councillor for the past two years, there never was a situation when Council took any decision without public interest being at the forefront. Nevertheless, as with any organization, there is always room for improvement. The goal of the Association should be not only to dispel any negative perception that may exist, but in fact to heighten our profile within the public domain. This can be achieved by establishing a strong media presence, as well as increasing communication within the engineering community and with appropriate government

departments.

Today the public and the media are far more aware of ongoing projects, which puts a lot of emphasis on public input and making sure that "stuff" gets done right the first time, and at all times. There just cannot be any compromise on competence and professionalism!

It is essential that the public understands our number one priority is safeguarding the public's interest as well as being ethically and fiscally responsible. The expectation is also that engineers will lead our leap into the future by creating socially and environmentally sustainable designs.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

The Ends don't work in isolation but rather feed off each other so that we achieve our global End of ensuring that the interests of the public of Manitoba are protected.

It goes without saying that the Association as a regulatory body for the professions of engineering and geoscience in Manitoba should have its primary focus on ensuring that only registered and licensed practitioners can practice with competence while conducting themselves professionally. In that regard, it is critical that the by-laws are upheld and strengthened to be in accordance with our Act.

While not on the same footing, but also critical, is ensuring a quality future for our profession. In that regard, the practicing engineers must reflect the diversity of our public, all the while being relentless in ensuring high standards of acceptable competency. In a constantly evolving world, diversity is critical for sustenance and growth of our profession. A more diverse workforce appeals to a broader demographic as it becomes more relatable to the public. People of different genders, ages, ethnicities, religions, and nationalities offer multiple viewpoints, which enhance the level of creativity and innovation. This inclusive and diverse society can be simply summed up as "*Vasudhaiva Kutumbakam*", which means "The World is One Family".

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

In my opinion it is very important to have the ability and willingness to develop a vision and formulate long-term strategies while delegating operational details of the Association to others. This means we must consider the public's interests, and then strategically and systematically balance innovation and risk when putting a plan in action. However, it is also imperative that we remain flexible as there may be societal and technological changes requiring a relook and maybe a reset of goals.

Not to shortchange the other core characteristics, which are equally important, it is critical to fully imbibe the three phrases that should remain front and centre of each councillor:

- Do you understand the issue?
- Can you live with the decision?
- Will you promote the agreed decision?

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

Working in the public sector has provided me with the skillset and insights to place my highest priority on serving and protecting the public interest. This requires being patient, being an active listener, debating constructively, and always respecting the opinions of others.

While managing large capital projects, I have always strived to think in terms of systems and context - to see the big picture and focusing on promoting the notion of right cost versus the lowest cost.

Kim Dodds, P.Eng., MBA

Candidate nominated by Council

EDUCATION:	B.Sc. Biological Engineering (Hons), University of Guelph, 2007 Master of Business Administration, Laurentian University
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2015 Speaker at Ingenium, 2020 Keystone Professional Committee 2019 to present Committee for Increasing the Participation of Women in Engineering (CIPWIE), mentor 2016 to present
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Professional Engineer, Professional Engineers Ontario
EMPLOYERS SINCE GRADUATION:	Shared Health - Tissue Bank Manitoba, 2015 to present <ul style="list-style-type: none">• Director• Quality Assurance and Regulatory Affairs Officer Red River College Instructor - current Alere Inc., Senior Processing Engineering/Expert in Residence, 2012 Epocal Inc., Sustaining Engineer (reporting to VP of Mechanical Engineering), 2007-2011

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

It is a privilege to belong to a self-regulated profession. Council has an obligation to ensure that public trust and representation is paramount in its values, actions, and governance. Council has taken great strides in recent years to support the increase in participation of women in engineering and geoscience in Manitoba, I for one am grateful for this initiative and the effort Manitobans are making to align with the rest of Canada in this area.

Council should continue to reflect the principles inherent in good stewardship of any profession. We are privileged to be a self-regulated profession, we as engineers and geoscientists must be cognizant of the confidence placed in us by the public. A public which correctly expects Council to stand firm with its decision-making on the basis of sound ethical, moral and professional standards while being mindful of evolution in the field and the needs of its membership.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

E-2 Practitioners practice with competence and conduct themselves professionally.

While all of the Ends are important, I believe that “E-2 Practitioners practice with competence and conduct themselves professionally” carries particular significance. Competency is the core of engineering, geoscience as well as any other professional practice. Without competency, a licensed engineer or geoscientist, should they choose to practice is a detriment and a danger to the entire profession. When working with a licensed professional engineer or geoscientist, the public has a reasonable expectation that the individual is competent to perform the task(s) which they have been employed for. I think the Council should endeavor to support members to not only maintain but increase competency; higher levels of competency in its members reflect well on the profession as a whole, as well as allowing us to better serve the public.

Linked to the competence component is the professional conduct element; when operating as professional engineers and geoscientists it is important to set a standard of professional conduct. In this capacity, we not only represent ourselves, our organizations, but the Association and profession as a whole. To that end, professional conduct is not just an expectation but a requirement.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

I have selected the following:

1.4 Moral courage and the willingness to value reasonable risk and innovation that furthers the organization.

Change is difficult and often occurs faster than many people would like or as in recent circumstances change may be forced upon us. But as a profession, not only do we want to be on the leading edge but the bleeding edge of innovation. It is important that we elect councillors that have the fortitude, moral courage and value reasonable risk to embrace innovation and change.

Councillors must have the pliability to adapt to new circumstances and challenges that the profession may face while bearing in mind the mandate and values of the organization and members we have been elected to serve.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I have worked in several countries and provinces in both the private and public sector from which I am able to provide a broad-spectrum view of our industry. I enjoy contributing to constructive discourse and the advancement of the profession of engineering and my current

sector of work. To that end, I instruct in the Health Services Leadership and Management program at Red River College and serve on a number of committees and boards both inside and outside the profession of engineering.

I am the type of individual who seeks to understand processes and would welcome the opportunity to engage as a council member for Engineers Geoscientist Manitoba.

Phil Dorn, P.Eng.

Candidate nominated by Members

EDUCATION:	B.Sc. Civil Engineering, University of Manitoba, 1987
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1998
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Presentations about engineering to students at CHS and Kirkcaldy Heights schools, judging at Manitoba Science Fairs, and Technical Advisor for Assiniboine Community College
EMPLOYERS SINCE GRADUATION:	Samson Engineering Inc., President and Owner, 1998 to present KLPRT Monorail (Kuala Lumpur, Malaysia), Project Manager, 1997-1998 Siteline Design & Construction Inc., Project Manager, 1994-1997 Peter Kiewit Sons Co. Ltd, 1990-1993 <ul style="list-style-type: none">• Site Engineer• Project Engineer• Field Engineer Rivtow Straits Ltd., Production Manager, 1989

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Professional engineers and geoscientists hold great responsibility in society. In my opinion, the public generally does not understand the extent of our influence on public safety and the environment, and how our involvement in projects have value added advantages that extend far beyond technical services and include integration and financial benefits. It is because of this great influence on society that professional engineers and geoscientists are held to an elevated standard of care, as is proper. It is the responsibility of the Council to provide direction and focus to the Association and this direction must focus on integrating the interest of the public, the engineers and geoscientists, and the government. I believe that it is up to the Council to govern the Association in a way that ensures more than technical and ethical requirements, but that individual members are supported and are encouraged to move beyond minimums to elevate our profession. Blanket solutions for complex issues do not support the future of the Association or society as a whole. Supporting professionals and integrating the needs of the members, the public, and the government sectors is serving the long-term public interest.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

All of the Ends are important; however, E-4 "Stakeholders understand and value the contribution of the professions" is essential to accomplish all of the Ends. Understanding and value of our

profession has historically been built on four of the Ends: insuring practicing engineers and geoscience professionals are registered and licensed (E-1), that practitioners are practicing with competence and conduct themselves professionally (E-2), that unqualified persons do not practice (E-3), and that consumers have access to a reasonable supply of practitioner services (E-6). Society has changed greatly since the first engineering association was established in Canada, and the make-up of professional engineers and geoscientists have not mirrored the changes in society to date. Unless practitioners reflect the diversity of the public (E-5), it is going to be difficult for stakeholders to truly value professional contributions if gender and ethnic divisions prevail. In order to increase diversity, stakeholder understanding, and value of professional contribution must be increased as the one reflects and directly influences the other in modern society. Given that information is so readily available in today's society, it is more important than ever to ensure that all of the Ends are met and most importantly, that stakeholders (members, public, and government) know and understand that they are being met - only then will the value of professional contribution truly be understood.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

All members must have commitment to the legal and moral ownership of the Association, or else there is no point of representing the Association on the Council. That being said, I believe that all of the 12 core characteristics considered to be a good councillor are important and that the Council will be stronger and more effective if individuals have different strengths that complement each other. In general, councillors must be able to see the big picture and think in terms of systems and context. This applies to reviewing past actions, evaluating current situations, and planning for the future. Being able to see the big picture allows the Council to steer the Association in the right direction.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

A Councillor should reflect the goals that the Association has in practice. The following are a few examples of how my work reflects the Association's goals:

- My company, Samson Engineering Inc. (Samson), employs professional men and women of diverse ethnic backgrounds, religious beliefs, and supports workers with disabilities;
- Samson employs licensed engineers, engineers-in-training, and certified technicians. Everyone works within their field of expertise, practices with competence, and conducts themselves professionally;
- All work is conducted with safety and the environment in mind. We are COR certified;
- I am an advocate of helping clients with the big picture issues. I not only provide technical competence but add value by assisting with long term planning, cost evaluations, funding applications, negotiating with government representatives, and motivating people into action; and
- I believe that serving the public interest means that the Association needs to support their members and work with clients, the public, and the government. We are only as strong as

the weakest link.

I am confident that I would add a new perspective to the Council and look forward to the opportunity.

Carolyn Geddert, P.Eng.

Candidate nominated by Council

EDUCATION:	B.Sc. Mechanical Engineering, University of Manitoba, 1988
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1990 Engineers Geoscientists Manitoba Councillor, 2018 to present Executive Committee, 2019 to present Nominating Committee, 2018 Committee for Increasing the Participation of Women in Engineering (CIPWIE), Mentor Engineering Intern Mentor
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Engineer in Residence in the Price faculty of Engineering, University of Manitoba
EMPLOYERS SINCE GRADUATION:	Price Faculty of Engineering, University of Manitoba, Director of Cooperative and Internship Programs, 2004 to present Phillips and Temro Industries, Quality Engineering, 1994-2004 Price Industries, Industrial Engineer, 1989-1994 Willmar Windows, Engineer-in-Training, 1988-1989

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

The Council should continue to work to meet and monitor the work to fulfill its Ends. The Ends should be strategically reviewed to ensure relevance and continued protection of the public. This review must include the diverse voices of stakeholders and the public.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

Although all the Ends are important, Ends 1-3 and End 5 directly affect the safety and protection of the public. These are all critical. These ends are supported by Ends 4 and 6. Together the Ends serve to regulate the profession and allow for the safety and prosperity of Manitobans.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

A good councillor does the reading and listens to the information presented to Council. A good councillor will not represent their own interests but seek to understand what is in the best interest of Manitobans, the membership and the Association itself. A good councillor is able to participate in civil discourse and support the will of Council. A good councillor will have time and energy to participate on committees to the best of their abilities.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I have experience on Council and a large network in the community that connects me to the needs of engineering employers in Manitoba.

Ron Jonkman, P.Eng.

Candidate nominated by Council

EDUCATION:	B.Sc. Mechanical Engineering, University of Manitoba, 1989
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1991
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Leader and Manager of engineering resources at many major firms in Winnipeg over a 30-year career. Provided leadership for preservation of engineering achievements in Manitoba aerospace through participation on the Board of Royal Aviation Museum of Western Canada.
EMPLOYERS SINCE GRADUATION:	Allmar Inc., President and CEO (National Distribution of Architectural Door and Hardware materials), 2016 to present MTS (Bell-MTS), Vice President Network Services, 2012-2015 Alphair Ltd., President and CEO (Commercial Fans), 2007-2011 Standard Aero, Vice President of Commercial Airline Programs, 1998-2007 Bristol (Magellan) Aerospace, Aircraft Engineering, International Marketing, 1989-1998

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Governance must not be self-serving and must ensure that the interests of all stakeholders, including that of the public-at-large, are served. This requires participation from those stakeholders through an open and consultative process. Council should continue to engage with stakeholder forums to ensure that the Association is not just meeting its internal goals and objectives, but those of all customers and stakeholders.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

The Association carries out a unique and important role in government supported self-governance of its membership to support the public interest of safe and long-lasting engineering design. The End E-4, **Stakeholders understand and value the contribution of the professions** is our highest priority. Council must govern the Association to ensure its members maintain a high level of competency to accomplish these tasks, but also to defend the position of its members as the authoritative practitioners in their fields. There is continued economic pressure to outsource Engineering duties to vendors and suppliers that may provide less than satisfactory service to

the public. Council must ensure that the Association defend its important role as part of its continued mandate. This defense is also an important End. Failure to defending our position will result in an erosion of our authoritative role.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

As with all councils or boards, they are only as strong as the collective leadership of its members, who must participate with enthusiasm and commitment. Councillors can have courage, willingness, and multiple abilities to serve Council and its members, but if there is no enthusiasm to do so their other attributes are not realized. Councillors must participate.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

As a professional engineer, my career has been focused on people management. I have led teams in sales, customer service, business management and engineering. I have participated in and lead business process re-design efforts to drive organizational safety and performance management, while embracing diversity and fairness. I believe that I can leverage these experiences to the benefit of Council providing a business leadership perspective.

Having the opportunity to work with Professionals from across the globe I believe the Association would benefit from embracing diversity and pursuing the **End E-5, Practitioners reflect the diversity of the public**. To this end I also strongly support the **End E-1.2, Qualified professionals experience a seamless registration process across Canada and internationally**. Supporting seamless registration will help build diversity and enrich the profession through the introduction of new and creative global ideas.

As your councillor I will be an active contributor, working to improve and actively govern the Association. As chair of the Governance Committee of the Royal Aviation Museum of Western Canada I recognized that the outdated governance model of the museum would hinder its ability to succeed. I therefore led the update and overhaul of the Museum's outdated by-laws and policies, paving the way for the Board to successfully manage the Museum's future as it deploys a \$40M Capital Campaign and constructs a new museum to tell the story of Aviation in Manitoba. I will provide that same active participation to Council.

Professional engineers and geoscientists remain critically important to society and offer the potential to address many challenges society will face in the coming decades and beyond. Having a strong Association and regulatory body for the professions has never been more important. I would like to contribute to the Association by leveraging my years of experience in a meaningful way through the Engineers Geoscientists Manitoba Council.

Ademola Owoade, P.Eng.

Candidate nominated by Members

EDUCATION:	B.Sc. Chemical Engineering, University of North Dakota, USA, 2015 M.Sc. Chemical Engineering, University of Lagos, Nigeria, 1999
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2019
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	North Dakota Society of Professional Engineers American Institute of Chemical Engineers Engineering for Change Member of the board of directors, Project Management Institute of Manitoba - Director of networking events and monthly lunch meetings Past President, Engineers Without Borders Winnipeg Chapter Past member of the board of directors and overseas project committee for Manitoba Council for International Cooperation
EMPLOYERS SINCE GRADUATION:	DXC Technology, Senior Project Manager, 2017 to present Frontline Consultants Inc., Senior Project Manager, 2007 to present

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

The Council should ensure that every practitioner is following the Code of Ethics, holding in high value the safety, health and welfare of the general public, promoting health and safety in workplaces and also ensuring that our environment is protected.

Council needs to provide guidance and provide leadership so as to help protect the public. Since the Council is responsible for establishing the committee that looks after the public interest, the Council should ensure that the committee is really committed to the public at large. The safety of the public is our number one priority as professionals. The Council is responsible for putting together the public review committee, and the Council needs to ensure that every member of the committee understands the responsibilities. The purpose and interpretations of the committee should be well understood and clear to every member in order for them to perform their responsibilities very well.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

The most important End, in my opinion is "E-4 Stakeholders understand and value the

contribution of professions”

This is really important because before we can provide value to our stakeholders, they need to first understand the values that we bring as professionals. I think all the Ends tie into this particular one. Also going back to our Code of Ethics and quoting directly, “Practitioners shall act with fairness, courtesy, and good faith to their associates, employers, employees, and clients. They shall uphold the values of truth and honesty. They shall act in the public interest. They shall safeguard human life and welfare and the environment”

This is one of the values that we bring to our associates at work and all around us, our employers, employees and clients, who represent our stakeholders. I believe we always need to radiate these values as professionals, so that our stakeholders will understand and value our contributions as professionals.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

I believe that a good councillor will have the “ability and willingness to take part in deliberation, while respecting the opinion of others” A good councillor should be able to provide their opinion while also listening to the opinion of other councillors.

A good councillor must exhibit duty of care, by acting honestly and in good faith with a view to the best interest of the Association.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I am very confident that I will make an excellent councillor because of my wealth of experience accumulated from different roles that I have held over the years. I have also exhibited duty of care and acted with honesty and good faith within these organizations. I am currently on the board of directors of Project Management Institute of Manitoba, where I have helped to contribute to the growth of the association since 2008. I have taken up different roles and responsibilities during my 12 years within the association and I have also helped to mentor other project managers. I have held in high esteem the code of ethics and the bylaws of the organization. I have contributed to appointing several committees and taken part in key decisions impacting the association.

As the president of the Engineers Without Borders, Winnipeg chapter, I performed all the duties within the powers provided in the constitution. I was accountable for the chapter’s overall success. I communicated chapter’s progress with the national office and other chapter. I was the ambassador for the chapter, responsible for understanding the skills, abilities and interests of chapter members and leaders.

I was also a member of the board of directors and overseas project committee member for the Manitoba Council for international cooperation, where I contributed, reviewed and approved various strategic plans. I also contributed to creating corporate policies and procedures among several other responsibilities.

I am committed to continuous learning and improvements, and I have demonstrated this by working on completing my doctorate degree in chemical engineering.

M Wail Safklou, P.Eng.

Candidate nominated by Members

EDUCATION:	B.Eng. Mechanical Engineering, University of Aleppo, Syria, 1999
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2020 Arab Members Chapter, member, 2017 to present
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Active member with Project Management Institute (PMI) as a certified project manager, 2011 to present Active member with National Fire Protection Association (NFPA) since 2018 to present
EMPLOYERS SINCE GRADUATION:	Modern Mechanical Engineering Ltd., president, 2019 to present Leader Plumbing and Heating in Vaughan, Ontario, 2015-2018 Marciano Fire Protection in Mississauga, Ontario, 2013-2015 Saudi Aramco Contractors in Saudi Arabia, 2000-2013

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

The Council has a duty to connect directly with owners in order to be accountable to them and to inform its policy development. Because the owners are those persons from whom the Council derives its legal and/or moral authority and to whom the Council owes its ultimate allegiance.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

To me the E-6 is the most important End specifically paragraph 6.2 "Students in K to 12 view the professions as rewarding careers".

When we build the desire in our children to become engineers and geoscientists, we guarantee that they will participate in the civilizational renaissance of our society in order to ensure that we are among the top of the developed countries in the world.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

To me all characteristics are important and valuable but as it was mentioned in paragraph 1.1 of

GP-6 “Commitment to linking with the legal and moral ownership. This includes the understandings that (a) members of the Council, individually and collectively, are stewards for the organization, (b) they represent an ownership comprised of diverse people, (c) they are willing to actively seek to access and understand that diversity and (d) recognize and accept their fiduciary responsibility to the organization.” And with these two major pillars the moral and legal commitment we will ensure that we will have a good councillor.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I believe in the importance of our society and my responsibility towards it and that they deserve to receive the best services for the advancement and development of our society.

I believe in the team spirit and that I have to put all my capabilities in order to work with the team to obtain the best results that serve the public interest. The success of the individual is the guarantee of the success of the team.

I believe that our vision for the bright future can only be achieved through hard and sincere work to ensure a better life for the future generations, and that we have to be a successful example because one day history will talk about us and our achievements.

John Sawatzky, P.Eng.

Candidate nominated by Members

EDUCATION:	B.Sc. Mechanical Engineering, University of Manitoba, 1983
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1986 Engineering Week volunteer
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Past Member Society of Manufacturing Engineers
EMPLOYERS SINCE GRADUATION:	Monarch Industries: <ul style="list-style-type: none">• Director, Process Engineering & Advanced Manufacturing, 2018 to present• Director, Capital Projects & Environmental Compliance, 2012-2018• Automation Manager, 2007-2012• Facilities Manager, 1998-2007 Thor Manufacturing, Plant Engineer, 1983-1984 & 1986-1998 Versatile Farm Equipment, Industrial Engineer, 1984-1986

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Council should be setting policies and direction in place that ensures the Association is connecting with the people of Manitoba and ensures that the interests of the people of Manitoba, with regards to engineering and geoscience, is being met.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

I feel that the most important 'End' is E2, "Practitioners practice with competence and conduct themselves professionally". This is the most important End because practicing with competence is what guarantees that the public of Manitoba is protected and it is how the public will see that the Association's primary concern is their interest, not the practitioner.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

I feel that the most important characteristic of a good councillor is that he or she is a steward of the organization and that the councillor is there to serve the organization. As leaders of the organization, I believe that the councillors should adopt the leadership philosophy of servant leadership. Councillors are elected to serve the public and the members - not the other way around.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I have practiced as a Manufacturing Engineer in Manitoba for 37 years and I am thankful for having the opportunity to gain this invaluable work experience. I would like to give back to the community and to the people of Manitoba by serving as a Council member.

As a first-time candidate for Council, I don't have a specific agenda. It is my opinion that Manufacturing Engineers are underrepresented in Council and I would like to bring a voice to Council for Manufacturing Engineers. Manufacturing is an important segment to Manitoba's economy and provides high paying jobs for many Manitobans. The Association needs to connect with this segment of the people of Manitoba and I would like to offer my help in doing this.

Ian Smallwood, P.Eng.

Candidate nominated by Council

EDUCATION:	B.Sc. Mechanical Engineering, University of Manitoba, 2003
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, 2009 to present Engineers Geoscientists Manitoba Councillor, 2018 to present EGAIAR Joint Board, 2019 to present
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Professional Engineer, APEGA, 2016 to present Member of ASHRAE
EMPLOYERS SINCE GRADUATION:	Nova 3 Engineering Ltd., Professional Engineer, 2008 to present Loewen, Manufacturing Engineer, 2003-2008

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

I believe we are generally doing a good job in establishing suitable qualifications and bringing new engineers and geoscientists into the profession for the benefit of the public at large. I also believe progress has been made to seek out and make opportunities available for a diverse number of people to consider choosing our profession.

However, I also believe we are seeing evidence of political and personal biases influencing our ability as a Council to govern well. We must continue to work to ensure by-laws, policies, and standards of practice are clearly defined and not subjective.

Finally, regulating our profession means not only disciplining for clear violations in order to protect the public, but regulating our profession must also include advocating for, and supporting our professional members who may need help resisting any influences upon them to reduce the acceptable standard of care required of their work. The public relies on us to be a stalwart for their interests and safety.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

Council needs to do two things. First, it must continually review current Ends (goals) for relevance and progress being made. Second, it must recognize any new, developing issue affecting the profession that may erode the overall End of protecting the interests of the public of Manitoba and potentially create another End to mitigate that issue. While the existing Ends are

important, the most important one is the next one because it means we are governing well with an eye on the future.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

Based on my experience with this Council over the past two years, we operate well when each councillor has the ability and willingness to participate assertively in deliberation. It seems to me much of our society is becoming afraid of offending anyone so much so that people do not speak up and provide their opinion for fear of backlash. This ought not be the case for any Council member since it is our duty to thoroughly ponder and debate varying viewpoints and come to resolutions that govern the Association well.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

During this last term on Council, there have been a number of instances when I did not vote the same way as the majority of my fellow councillors, and it is still sometimes difficult to support a decision made by the whole. But in each of those instances I debated well and respected my peers and the process.

I would appreciate your vote for this upcoming term, but more importantly, I would like your vote to help fill Council with a variety of people who may hold different viewpoints on issues.

Efrem Teklemariam, P.Eng., FEC

Candidate nominated by Council

EDUCATION:	M. Sc Water Resources Engineering, University of Manitoba, 1999 M. Eng. Hydraulic Engineering, Delft Technical University, the Netherlands, 1988 B. Sc Hydraulic Engineering, Addis Ababa University, Ethiopia, 1983
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1996 Manitoba 2030 Coalition, 2019 to present Engineers Geoscientists Manitoba Councillor, 2018 to present Finance Committee, 2018 to present Centennial Task Group, 2016-2019 Engineers Canada Accreditation Committee, 2012-2015 Nominating Committee, 2009 Academic Review Committee, 2003-2014
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Panel Member on Climate Change & Hydrology of The Natural Sciences and Engineering Research Council of Canada Founding member of International Educated Engineering's Qualification Program (IEEQ)
EMPLOYERS SINCE GRADUATION:	Manitoba Hydro: <ul style="list-style-type: none">• Water Resources Engineering, Manager, 2009 to present• Hydroinformatic Engineering, Section Head, 2003-2009• Hydrotechnical Studies, Senior Engineer, 1990 - 2003

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Council should ensure its members are up-to-date and aware of their ethical commitments to the public and that they understand that they must be practicing with utmost integrity and with the highest standards in-mind so that all engineering works are completed with the public's safety and interest as a primary consideration while at the same time considering environmental and economic aspects.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

The most important End should be that - “Practitioners reflect the diversity of the public”.

A balanced workforce that reflects the diversity of our society makes a profession sustainable. The current constitutional make-up of our profession is not a true reflection of the demographic diversity of our society in Manitoba. As part of Council we should be proactively working to promote engineering to be more inclusive and make it accessible and interesting to all members of our society.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

The most important characteristic of a good councillor is “the ability and willingness to deal with the vision and the long term, rather than the day to day details.” The world of engineering is constantly changing and evolving with the environment around us- changes will occur that we won’t even realize will affect our work one-day. Being able to have the vision and willingness to look forward to ensuring that our profession can meet future public needs and interests in an environment with increasing unknowns is essential. A councillor should have the vision to steer the profession to have the tools and knowledge to be able to adapt to these changes while maintaining professional integrity and regulation.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

Throughout my career I have been a key driver of promoting the engineering profession and diversity within it. I have been an active member on numerous Association committees including being a current councillor. My experiences and leadership skills have made me an ideal councillor as I have been pivotal in promoting the profession and driving its diversity.

I am recognized as a national and international technical expert and am the manager of the Water Resources Engineering Department at Manitoba Hydro. I possess significant leadership and dedication to managing the work from this technical area. I also actively participate on numerous professional organizations and working groups representing Manitoba and the Engineering profession. Throughout my career I have been dedicated to the development of junior engineers, women in engineering, Engineering Access Program (ENGAP), and international equivalent engineers through the numerous mentorship programs I participate on. I am a founding member of the International Educated Engineering’s Qualification program and am dedicated to inspiring my staff to attain a higher level of productivity, technical excellence, and innovation. I have created an atmosphere that focuses on diversity, teamwork, cooperation, and motivation.

Victor Thielmann, P.Eng., FEC

Candidate nominated by Members

EDUCATION:	B.Sc. Electrical Engineering, University of Manitoba
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 1980 Minimum 10 Year Volunteer activity resulting in FEC designation 3 Years on Keystone Professional Committee 9 Years on the Joint board with The Certified Technicians and Technologists Association of Manitoba Inc.
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Senior Member of IEEE (Life) Member of the Canadian Society of Senior Engineers CSA Committee Member of Canadian Electrical Code QE2 Golden Jubilee Medal recipient for volunteer engineering work
EMPLOYERS SINCE GRADUATION:	Nova 3 Engineering Ltd. - President and Founding Director

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Council is composed of the elected members of our self-regulating professional Association which the Government of Manitoba legislated to govern and regulate the professional practise with the ultimate goal of protecting the public as that pertains to safety within the field of engineering and geoscience. The Council should provide appropriate governance such that the objective as defined in The Engineering and Geoscientific Professions Act is followed and not usurped.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

Primarily, one of the most valuable and useful guiding life principles is “Whatever is hurtful to you, do not do to any other person”. ENDS, with respect to Engineers Geoscientists Manitoba are defined to be a written statement about where Engineers Geoscientists Manitoba wants to end up. As long as the End meets the guiding life principle it is a useful statement when used in concert with common sense.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1

of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

A good councillor requires the power of discernment. To govern in times when all appears to be generally running well does not mean a potential impending difficulty can be ignored. A good councillor will use communication skills to determine the true state of the profession, leave no rock unturned and act accordingly keeping in mind good governance principles.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

In my career, I have come across many Association members with offspring who have followed in their elders footsteps. I too, am one of those members. I am driven to enhance the future of all young professionals in an unbiased and safe environment where their engineering or geoscience skills can be expanded, honed and well rewarded.

Michelle Wadelius, P.Eng.

Candidate nominated by Council

EDUCATION:	B.Sc. Civil Engineering, University of Manitoba, 2008
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2011 Engineers Geoscientists Manitoba 2020 Curling Funspiel: Winning Curling Team Skip and Winner of Draw-to-the-Button Competition Committee for Increasing the Participation of Women in Engineering Mentorship Program, 2017-2018 Engineers Geoscientists Manitoba Volunteer at Kidsfest, 2017 Committee for Increasing the Participation of Women in Engineering, 2012-2015
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Committee for Technical Women in Consulting Engineering (TWICE) with the Association of Consulting Engineering Companies (ACEC), 2019 to present Co-organizer of the WSP Lombard Office Women's Network, 2014-2020
EMPLOYERS SINCE GRADUATION:	WSP Canada Group Limited (formerly MMM Group Limited), Bridge Engineer, 2008 to present

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

Council should ensure that it is made-up of a diverse group of individuals to best represent the diversity of the public. This allows for differing perspectives and ideas to provide that governance that is looking at the public interest of all people throughout Manitoba.

Council shall also provide guidance and leadership in engineering principles and activities, as it relates to the changes in our society as we live with the Covid-19 pandemic. Council shall continue to promote education to its members and to protect the public in a manner that keeps safety and health during this public health pandemic at top of mind.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

In my opinion, the most important End is "E-5: Practitioners reflect the diversity of the public". The global end of the Association's Council policies is defined as, "The interests of the Public of Manitoba are protected, as they relate to the practice of engineering and geoscience and the results should be worth the resources expended."

The reason I find this End important is that to reflect the diversity of the public, it is critical that the practitioners of Engineers Geoscientists Manitoba are diverse and represent the population of the public. As we know, the profession of engineering in Manitoba has made great strides in this area, but continual improvement in this area is imperative.

PLATFORM PART 3 – THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

I believe that the most important characteristic of a good councillor is “1.10 Enthusiasm and commitment to serve the Council”. A good councillor should be open-minded to learning from other experienced councillors, be willing to participate and learn about the governance of the Council and the Association, and be willing to commit to the responsibilities expected of them. Enthusiasm and commitment will serve to encourage others to continue to improve the governance and to reflect the needs of our constantly changing society.

PLATFORM PART 4 – THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I promise, if elected as councillor, to provide enthusiasm and commitment to my role. Growing-up in a small town in Manitoba, I pursued an education in engineering because I loved math, physics, and chemistry. Without fully understanding what an engineer did, I started studying in the Faculty of Engineering at the University of Manitoba because of my interest in these topics and because my close friend’s dad had studied engineering and seemed so passionate about his career, which I found inspiring. I’m fortunate to have followed my instincts and interests, as this has provided me with a very rewarding career. I want to give back to the profession that has provided me with so many opportunities.

In my past and present volunteer roles, which have included participating in committees in my work- place, acting on the CIPWIE and TWICE women in engineering committees, and assisting to organize the St. Vital Tuesday Night ladies curling league for 10 years, I have experience as a volunteer and am aware of the level of responsibility. I will dedicate my efforts to this role and provide a female perspective on the governance of the profession.

I am an organized and enthusiastic individual who works well with others. As a bridge engineer, I am accustomed to working in different work environments such as bridge construction sites, precast concrete plants, and on design and project management teams in an office, and now, “work from home”, environment. I am a strong communicator who chats daily with her colleagues across Canada and in other countries. As a bridge inspection and design engineer, I am detail oriented and am experienced at reviewing specifications and codes. I can bring this attention to detail and experience to my work on Council.

I actively participate on sports teams and have been curling for approximately 30 years. Curling and sports have taught me humility, hard work, the importance of communication, and how to fail and start again. I will bring my skills through these experiences to Council and will be an eager and hard-working individual.

Qiuyan Yuan, P.Eng.

Candidate nominated by Council

EDUCATION:	PhD. Civil Engineering, University of Manitoba, 2012 B.Sc. Food Processing Engineering, Beijing Agricultural University, China, 1992
ASSOCIATION ACTIVITIES:	Professional Engineer, Engineers Geoscientists Manitoba, registered 2014 BRACE Task 2 Working Group, 2019 Chinese Member Chapter, Executive Committee member, 2019 Awards Committee, 2017 to present Committee for Increasing Participation of Women in Engineering (CIPWIE), mentor, 2016-2019 Organizing committee member of the Manitoba Community for Women in Engineering, Science, Trades and Technology (MCWESTT) Conference, 2013
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	Institute of Electrical and Electronics Engineers (IEEE) Women in Engineering (WIE) Winnipeg Section speaker, 2019
EMPLOYERS SINCE GRADUATION:	Department of Civil Engineering, University of Manitoba, Associate Professor and Associate Head, 2013 to present Stantec, Process Designer, 2011-2012

PLATFORM PART 1 - THE PUBLIC OF MANITOBA

The Association governs and regulates the professions in the public interest. What is, or what should, Council be doing to ensure that its governance is in the public interest and why?

When we talk about the public interest, this is generally understood as the welfare and safety of the broader public, which are the centerpieces of the engineering and geoscience professions. However, identifying and determining the appropriate public interest in any particular professional case is often no easy task – as Lyndon B Johnson once said: ‘Doing what’s right isn’t the problem. It is knowing what’s right’. To ensure the governance of the Association reflects the right public interest, I think first and foremost is that the Council must listen to the public. The Council is comprised of a group of practicing engineers and geoscientists, aka councillors, who interact with the general public in a wide range of sectors. One of the most effective and efficient ways of learning the needs and interests of the public is through the ears and eyes of the councillors. Engineering and geoscience are fast-evolving fields, where new voices, ideas, and concerns are emerging on a daily basis. The Council should keep these changing needs of the public in mind and prioritize them as needed when providing governance oversight and establishing the overall strategic direction of the organization. The importance of this is undeniable because a lack of understanding of the current public interests will make all the efforts that the Association has

spent over the years invalid, and eventually lead to the legislature taking away the designation of the professions being self-regulating.

PLATFORM PART 2 - THE ASSOCIATION

Council sets the expectation for the Association by defining the Ends. What is, or should be, the most important End and why?

E-5 Practitioners reflect the diversity of the public.

All ends defined by the council are worth noting. To me personally, “E-5 Practitioners reflect the diversity of the public” presents special meaning. From an ethical and moral standpoint, I see equity, diversity, and inclusion as fundamental because I believe that everyone should have an equal chance, regardless of their background, gender, or affiliation. On a practical note, diversity leads to better problem-solving, expands the talent pool, and is important for long-term economic growth. Innovations resulting from science, technology, engineering and mathematics fields have positively touched nearly every aspect of human life. Scientific innovations and applications do not arise on their own; each is brought forth through the hard work and ingenuity of scientists and engineers. Therefore, the quality of the scientific research and engineering applications, and its ability to meet the needs of, and positively impact the lives of individuals, communities, nations and the world, is inextricably linked to the individual practitioners involved. A group of practitioners that reflects the diversity of the public would be undoubtedly better positioned to deliver solutions that meet the varying needs and interests of the public. Having a diverse set of points of view, approaches, and skillsets will get to the best solution faster. Without efforts to diversify and indeed change its composition along with the shifting demographics in society, the engineering profession will likely suffer considerably from a lack of growth and innovation. To achieve the ambitious, yet reasonable, goal of 30 by 30 initiative set by Engineers Canada, we need to cultivate talent, and promote the full inclusion of excellence across the social spectrum in a timely manner.

PLATFORM PART 3 - THE COUNCIL

Council sets out the core characteristics of what it considers to be a good councillor in Clause 1 of GP-6. What is, or should be, the most important characteristic of a good councillor and why?

Characteristic 1.7- Ability and willingness to participate assertively in deliberation, while respecting the opinions of others.

I have enough faith in the ability and willingness of elected councillors in participating assertively in deliberation. The point I want to make is the second part of the characteristics, i.e., respecting individual opinions. Diversity means difference. Diversity is no longer constrained to physical attributes, like race, gender, and religion. It also encompasses differences in opinions resulting from generational differences and personalities. Parallel to my strong belief of diversity in the profession is my utmost respect to different views and voices of others. We devote our time to the Association that is doing work that we care about, whether it is attending committee meetings or organizing outreach events. At times that passion can make us lose sight of how we treat others in the organization, especially when their opinions differ from our own. However, no one wants to feel like they are being disregarded. A mutually respectful Council will help to

improve communication between councillors, increase teamwork, and reduce stress. As mutual understanding and respect increase, the exchange of ideas will rise which will increase association knowledge and innovation, as well as assist in increasing productivity.

PLATFORM PART 4 - THE CANDIDATE

Please provide any additional information you would like as to why you would make a good councillor.

I bring a diverse background and rich governance experience. A councillor not only needs to be an outstanding member of the profession dedicated to protecting and promoting the public interest, but also requires governance experience to provide governance oversight for a complex organization. I am an internationally trained engineer practicing in academia. I have also had experience working in the private consulting industry.

I am passionate about education!