

## 2025 COUNCIL ELECTION PLATFORM

### Abolfazl Babaei, P.Eng.

Candidate nominated by Council

<b>EDUCATION:</b>	<p>Master of Electrical Engineering, Iran University of Science and Technology, Iran, 2014</p> <p>PhD Electrical and Computer Engineering, University of Manitoba, Canada, 2023</p>
<b>ENGINEERS GEOSCIENTISTS MANITOBA ACTIVITIES:</b>	<p>Professional Engineer of Engineers Geoscientists Manitoba, member 2024 - present</p>
<b>OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:</b>	<p>President, ECE-GSA (Electrical and Computer Engineering Graduate Student Association) (2020–2022) – Led student advocacy efforts, professional development workshops, and academic events.</p> <p>Reviewer for IET Power Electronics Journal (2018–Present) – Evaluate technical papers on advanced power electronics systems and multilevel converters.</p> <p>Reviewer for IET Transmission Planning Journal (2024–Present) – Evaluate technical papers on transmission planning aspects</p> <p>Mentor and Instructor – Teach and mentor students in electrical engineering courses at the University of Manitoba and International College of Manitoba, with a focus on digital systems, machines, and programming.</p> <p>Workshop Leader – Conduct industry workshops on PSCAD, RSCAD, and interconnection studies for clients and fellow engineers.</p> <p>Patent Holder – Co-inventor on a US patent related to electronic voltage regulation for power transformers.</p>
<b>EMPLOYERS SINCE GRADUATION:</b>	<p>RMS Energy, Minnesota, USA, Principal Power System Studies Engineer (remote), Dec 2024-present</p> <p>PSC Consulting, Vancouver, BC, Senior Power System Consultant (remote), May 2024-Dec 2024</p> <p>Transgrid Solutions Inc., Winnipeg, MB, Power System Engineer, 2022-2024</p> <p>PTI Transformers LP, Winnipeg, MB, EIT, Electrical Engineer, 2021-2022</p> <p>OJA Electric, Tehran, Iran, Power Electronics Design Engineer, 2013-2017</p> <p>Omid Technologies, Tehran, Iran, FPGA Programmer, 2012-2013</p>

## 2025 COUNCIL ELECTION PLATFORM

### PLATFORM PART 1 – EXPRESSION OF INTEREST

**Please tell us why you are interested in serving on Council and what you bring to the role.**

I am interested in serving on Council because I believe in the responsibility and privilege of contributing to the self-regulation and advancement of our profession. As a professional engineer and long-time resident of Manitoba, I want to play an active role in supporting ethical governance, upholding public trust, and helping shape the future of engineering in the province.

I bring over a decade of experience across academia, consulting, and industry. My current role as Principal Engineer at RMS Energy involves leading complex power system studies, project planning, and risk evaluations—all requiring strategic thinking and technical depth. I also serve as a sessional instructor at the University of Manitoba and International College of Manitoba, where I mentor the next generation of engineers, many of whom are international students.

Beyond technical expertise, I've held leadership positions as President of IEEE IAS/PELS/PES and ECE-GSA, where I focused on professional development, advocacy, and community building. I have also published research, contributed to standards, and hold a U.S. patent in transformer technology. My diverse experience enables me to think beyond my own discipline and contribute meaningfully to the broader governance goals of the Association.

I see this role as an opportunity to give back to the profession, support innovation, and ensure that our regulatory framework remains inclusive, future-ready, and firmly grounded in the public interest.

### PLATFORM PART 2 – 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 plays a crucial role in upholding the public trust by ensuring that engineers and geoscientists in Manitoba meet the highest standards of professionalism, competence, and ethical conduct. To govern in the public interest, Council must take a proactive, transparent, and forward-looking approach to regulation.

This includes:

- Maintaining rigorous licensing standards: ensuring that only qualified, competent individuals are licensed to practice, and that continuing professional development is enforced across all career stages.
- Strengthening public safety and risk management: Council should prioritize policies that mitigate risks in critical sectors like infrastructure, energy, and the environment—areas where engineering decisions directly impact people's lives.
- Promoting equity, diversity, and inclusion: a diverse profession better serves a diverse public. Council should ensure its policies and leadership reflect this.
- Staying technologically and ethically current: with rapid advances in AI, clean energy, and digital infrastructure, Council should promote ongoing review of codes, standards, and ethics to adapt to emerging challenges and technologies.
- Engaging the public transparently: Council must communicate openly about decisions, priorities, and risks, so the public understands how the profession protects their interests.

## **2025 COUNCIL ELECTION PLATFORM**

By balancing innovation with accountability, and technical expertise with ethical foresight, Council can ensure its governance remains aligned with the long-term interests of the public it serves.

### **PLATFORM PART 3 – THE ASSOCIATION**

**Council sets the expectation for the Association by defining the Ends. What is the most important End and why?**

Among the Association’s defined Ends, the most important is:

“That the practices of professional engineering and professional geoscience in Manitoba are sustainable and in the public interest.”

This End captures the foundational purpose of professional self-regulation. It ensures that all other goals—including competency, ethical conduct, and the relevance of the professions—serve a higher mission: protecting the public now and into the future.

Focusing on sustainability and the public interest aligns the profession with long-term societal needs, including climate resilience, infrastructure safety, responsible resource development, and equitable access to engineering services. It also emphasizes that our work as professionals extends beyond technical excellence—it includes social responsibility, environmental stewardship, and transparency.

By prioritizing this End, Council ensures that all strategic decisions, from licensure policies to advocacy efforts, are grounded in a commitment to safeguarding both people and the planet, while fostering trust in our professions.

### **PLATFORM PART 4 – THE COUNCIL**

**Council sets out the core characteristics of what it considers to be a good councillor in GP-6 Councillor Roles and Job Description. What is the most important characteristic of a good councillor and why?**

The most important characteristic of a good councillor, as outlined in GP-6, is the ability to think in terms of systems and context—beyond personal and professional interests.

This characteristic is essential because councillors are stewards of the public trust and must act in the interest of the profession as a whole—not in service to any individual group, employer, or agenda. By thinking in terms of systems, a councillor can effectively understand the long-term impacts of policy decisions, balance competing priorities, and align governance actions with the Association’s mission to protect the public.

It also enables Council to respond appropriately to complex issues—such as technological disruptions, regulatory modernization, and societal expectations—by framing decisions within a broad, forward-looking context rather than short-term or narrow perspectives. This mindset fosters unity, informed strategy, and resilient governance.