
2017 Engineering Nominees

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

John Guenther, P.Eng., FEC

Candidate put forth by the Nominating Committee

EDUCATION: B. Sc. Mechanical Engineering, University of Manitoba, 1986

ASSOCIATION ACTIVITIES: Professional Engineer, Engineers Geoscientists Manitoba, 1989 to present
Engineers Geoscientists Manitoba, Councillor, 2015 to present
Registration Committee, Chair and member, 2005 to 2015
EGAIAR Joint Board, member

OTHER ENGINEERING ACTIVITIES: ASHRAE Manitoba Chapter, member

EMPLOYERS SINCE GRADUATION: Nova 3 Engineering Ltd., Partner; Senior Mechanical
Centra Gas (MAN.) LTD., Distribution Engineer
MBH Mechanical LTD., Design Engineer
Alphair Ventilation Systems, Sales Engineer

QUESTIONS FROM THE NOMINATING COMMITTEE:

1) In your view, what is the single most important issue facing the professions today, and why?

I continue to think that there is an erosion of the professions, including engineering, to the point of becoming "commodities" or services. I believe this is a result of becoming a global 24/7/365 world.

I think that there is a need to maintain the professional standing amongst other professions.

2) Why is self-regulation and the responsibility given to us by government and the public important?

Self-regulation is important in that it applies a level of trust in the profession to manage itself in maintaining public safety and respect.

Losing self-regulation would reduce the standing of the profession and its members.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

More and more, I see an expectation, or desire, for engineers to be a voice of reason and a need to be un-biased. I believe that this is the greatest service engineers and geoscientists can provide the public in light of all the different political and economic viewpoints we are currently being presented with.

Jitendra Paliwal, Ph.D., M.Sc., P.Eng., FEC

Candidate put forth by the Nominating Committee

- EDUCATION: Ph.D. Biosystems Engineering, University of Manitoba, 2002
M.Sc. Biosystems Engineering, University of Manitoba, 1997
B.Sc. Agricultural Engineering, G.B. Pant University, India, 1994
- ASSOCIATION ACTIVITIES: Professional Engineer, Engineers Geoscientists Manitoba, 2002 to present
Experience Review Committee, Chair
Engineers Geoscientists Manitoba's India Chapter, Founding member and Vice President (Technical)
Invited Speaker at Ingenium, 2013, 2014, 2015, 2017
Invited Speaker at Manitoba Conference for Women in Engineering, Science Technology and Trades, 2015
- OTHER ENGINEERING ACTIVITIES: Fellow, Engineers Canada
Associate Editor of the journal of Canadian Society for Bioengineering (ASABE)
Member, Canadian Society for Bioengineering (CSBE)
Member, American Society of Agricultural and Biological Engineers
Serving on the Association of Public and Land Grant Universities' Challenge of Change Commission
Program Chair, Canadian Pulse Research Workshop, Winnipeg, October 2016
Co-organizer, International Symposium on Biological Shape Analysis, University of Tokyo, June 2017
Serving on various technical committees within ASABE and CSBE
- EMPLOYERS SINCE GRADUATION: University of Manitoba, Professor, Associate Professor, Assistant Professor
Premier Irrigation Ltd., Design Engineer
- QUESTIONS FROM THE NOMINATING COMMITTEE:
- 1) In your view, what is the single most important issue facing the professions today, and why?**
- In my opinion, the single most important issue facing our profession today is the lack of recognition of the value of our profession. Despite supporting every aspect of modern civilization, engineers haven't gotten their due, as we aren't doing enough to 'sell' the profession. And this creates several challenges including recruitment of bright students to pick engineering as a career; lack of diversity in the profession as underrepresented groups don't see any role models to look up to; and it undervalues the public perception of our work, resulting in inequitable compensation. Engineers and geoscientists need to do more to create awareness of the importance of their work, as it will attract highly capable young people from diverse backgrounds to join the profession. These individuals will in turn work together for the betterment of our society.*
- 2) Why is self-regulation and the responsibility given to us by government and the public important?**
- Self-regulation is a great responsibility given to us by government and*

the public, as engineers and geoscientists are considered to be professionals worthy of self-regulating themselves. It reflects society's trust in how we conduct ourselves. As professionals, we understand our profession the best and self-regulation gives us the freedom to do our work without any external agency's interference. Additionally, a system where experts from your own profession, who are bound by the same Act, By-Laws, and Code of practice, serve as a watchdog is the most dependable system.

3) What do you think the public's expectation is from the practices of engineering and geosciences?

The utmost expectation from our profession is that we will safeguard the public's interest while serving their needs. It is expected that we will conduct ourselves ethically and with high integrity; we will act responsibly towards our society; and that we will protect our environment.

Wing-Keat (Wayne) Wong, M.Eng., P.Eng.

Candidate put forth by the Nominating Committee

- EDUCATION: Master of Engineering, University of Manitoba, 2010
B.Sc. Civil Engineering, University of Manitoba, 2002
- ASSOCIATION ACTIVITIES: Professional Engineer, Engineers Geoscientists Manitoba, 2010 to present
Summer IPAC Potluck/Picnic, Event Lead, 2017
Chinese Members Chapter's Activities, Chair, Vice-Chair and Establishing Committee Member, 2013 to present.
Presenter, Chinese Members Chapter, 2014 and 2017
Presenter, Engineers Geoscientists Manitoba Conference, 2015
Organizing Committee Member, Engineering and Geoscience Week, 2005 to 2006
- OTHER ENGINEERING ACTIVITIES: Canadian Geotechnical Society (Manitoba Section) - Annual Activities, Chair, Treasurer, Program Director and Major Event Coordinator, 2007 to 2016
Canadian Geotechnical Society – National Annual Conference, Organizing Committee Member, 2013
- EMPLOYERS SINCE GRADUATION: Amec Foster Wheeler Environment & Infrastructure, Senior Geotechnical Engineer
- QUESTIONS FROM THE NOMINATING COMMITTEE:
- 1) In your view, what is the single most important issue facing the professions today, and why?**
Lack of skilled personnel. In comparison to other professions (i.e. health care, education, etc.) and the engineering profession of other provinces, engineering in Manitoba is becoming less attractive (monetary) and competitive. The tedious process for locally and internationally educated and/or trained personnel to be recognized in the province by the Association have driven people away from the profession or province.
 - 2) Why is self-regulation and the responsibility given to us by government and the public important?**
With self-governance, engineers and geoscientists are granted a generous degree of autonomy, prestige and influence. Public interests are truly being protected without influences from other. Self-regulation provides a high level of confidence to the public on the competency and professionalism of engineers and geoscientists.
 - 3) What do you think the public's expectation is from the practices of engineering and geosciences?**
Engineers and geoscientists are expected to perform and hold the code of ethics to protect the public interest. They are expected to exercise the highest standard of care, and to use technology and innovation to provide an effective and efficient solution to problems and improve public lifestyle contributing to the society.