

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.