

Izabela Witkowska, P.Eng.

Candidate nominated by Council

EDUCATION:	<p>M.Sc. Mechanical Engineering Materials Science, Technical University of Lodz, Poland, 1986</p> <p>B.Sc. Mechanical Engineering Materials Science, Technical University of Lodz, Poland, 1984</p>
ASSOCIATION ACTIVITIES:	<p>Professional Engineer, Engineers Geoscientists Manitoba, registered 1996</p> <p>Judith Weiszmann Women in Engineering Champion Award recipient, 2017</p> <p>Manitoba Community for Women in Engineering, Science, Trades and Technology (MCWESTT) Conference presenter, 2013</p>
OTHER ENGINEERING/ GEOSCIENCE ACTIVITIES:	<p>Canadian Council for Aviation & Aerospace (CCAA) focus group member for “Increasing the Participation of Women in the Aerospace Industry”</p> <p>Actively promoted STEM and engineering for over 15 years, inspiring girls and young women by volunteering (i.e. WISE-Kidnetic at the U of M) and providing leadership experience to the organizing committee for Girls in Aviation Day (GIAD)</p> <p>Royal Australian Air Force, Senior Design Engineer, 2016</p> <p>Played substantial role in building the State-of-the-art Material Laboratory to perform Failure Analysis and assist in accident investigations in the field of aviation. Awarded multiple corporate Continuous Improvement awards</p> <p>Selected as one of 20 Women of Innovation in Canada. Profile was featured in the book “The impact of Leading Engineers in Canada”, 2016</p> <p>Authorized by Transport Canada to approve Major Repairs for the TC Aircraft Certification Branch, as Delegated Engineer, on behalf of Minister, 2005-present</p> <p>ASM International, Manitoba Chapter President, 1998-2000</p> <p>Standard Aero Employment Equity, Women in Engineering subcommittee chair</p>
EMPLOYERS SINCE GRADUATION:	<p>Standard Aero Ltd. Winnipeg, 1996-present</p> <ul style="list-style-type: none">• Technical Airworthiness Group Engineer• Senior Airworthiness Engineer & Transport Canada Delegated Engineer, Design Approval Organization• Senior Design Engineer for Royal Australian Air Force• Process Engineering Manager in Component Remanufacturing Services• Operations Engineer in Component Remanufacturing

Services

- Process Engineer

Standard Manufacturers Services Ltd., Metallurgical Engineer, 1994-1996

ARL Lighting, Mechanical Designer, 1990-1994

Technical University of Lodz, Poland, Research Engineer/Professor's Assistant, 1986-1989

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?

Council shall provide guidance and leadership in the application of engineering principles and activities (design, evaluation, approval) that involve the safeguarding of life, property or the public welfare in Manitoba.

The Association governance must be focused on awareness, quality and trusted reliability of its members' engineering work. Council should promote a need to recognize the impact of the work performed by its engineering members to ensure public safety and compliance with applicable regulations.

Council shall promote building a relationship with the public by understanding and anticipating their needs and bringing solutions for the challenges they face. Engineering ideas and actions should inspire and push the boundaries of technology and innovation to enhance public safety, keeping in mind the link between science and its consequences.

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?

Engineers shall practice with competence and conduct themselves professionally, so interests of the Public of Manitoba are protected. As long as expertise and will exist – innovation can thrive in local industry.

The Association shall encourage students and practicing individuals to constantly develop as professionals throughout their careers, i.e. facilitate technical learning sessions and Industry tours to help them acquire the skills needed to succeed in the workplace. Networking through participation in Association activities and conferences and sharing of knowledge will provide direct value to the members and indirect benefits to the public.

It is important to ask members of Engineers Geoscientists Manitoba to share their opinions – without their feedback, opportunities for improvement may pass us by.

Professional Engineer = Current **Knowledge** + Experience with **Application** of knowledge + **Respect** for diverse customers in our province and beyond.

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?

Ideally the Council team represents province-wide industry sectors, academia and government and strive for new levels of excellence by sharing the technical, professional and legal expertise that advances members of the Association. It should be passionate about building stronger professional relationship between Council and all members of Engineers Geoscientists Manitoba and a sustainable engineering profession in Manitoba.

In my opinion a good councillor should be a role model focusing on seeing the “Big Picture” and being able to demonstrate critical thinking and system approach. It is important to understand the potential impact of councillors’ decisions in the workplace and recognize the broad implications that decisions may have on people, environment, business, industry and public interests.

PLATFORM PART 4 - THE CANDIDATE

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

I’m excited to be nominated and ready to govern and share ideas that inspire; to partner with a collaborative team of engineers, business experts and the public.

I recognize that women are underrepresented in the aerospace sector and believe in inspiring girls and young woman to enter the field of engineering. I am passionate about volunteering and promoting WIE, diversity and Employment Equity (EE) by continuing as Chair of Standard Aero EE WIE subcommittee.

With over 30 years of experience in industry I am recognized across the industry as a Subject Matter Expert on aerospace materials and component failure analysis and as a leader and mentor, who believes in coaching engineers with questions, leading them to the answers.

Engineering provides me with an enormous opportunity to make a difference and positively impact customers and the flying public around the world.

I would like to pass on my life’s lessons to influence the next generation of young engineers and professionals; to encourage diversity in viewpoints and to teach how to respect the past while keeping in mind investing for the future.