

## ELECTION 2023 - CANDIDATE PROFILES

The following pages contain profiles for all candidates running in this year's OSPE Board Director elections. There are 4 open positions, each for a 3-year term. The profiles are listed in alphabetical order. These profiles, along with complete details on OSPE election procedures, may also be viewed online at [https://ospe.on.ca/about\\_us/governance/board-election/](https://ospe.on.ca/about_us/governance/board-election/).

The slate of candidates presented has been approved by the OSPE Nominations Committee and the OSPE Board of Directors. All biographical information was prepared and submitted by the candidates. All candidate statements are the opinions of the candidates and do not necessarily reflect the opinions of OSPE. For more information on OSPE, please visit [www.ospe.on.ca](http://www.ospe.on.ca) or call 416-223-9961 or 1-866-763-1654.

Online voting polls close at 11:59 p.m. on Monday, April 17, 2023.

## NOTICE OF ANNUAL GENERAL MEETING

### Monday, May 8, 2023

Meeting will be held virtually. Members can register via the link here: <https://ospe.on.ca/annual-general-meeting/> or via email to Marisa Violante at [mviolante@ospe.on.ca](mailto:mviolante@ospe.on.ca). The deadline to register for the AGM is May 3, 2023.

Visit [https://ospe.on.ca/about\\_us/governance/board-election/](https://ospe.on.ca/about_us/governance/board-election/) for more information.

### Agenda

6:00 p.m.

#### ANNUAL GENERAL MEETING

##### Call to Order / Welcome

Motion to approve the minutes of the Annual General Meeting of May 9, 2022

Report of the Chair

Report of the CEO

Report of the Nominations Committee

Report of the Treasurer

Report of the Audit and Finance Committee and Appointment of Auditors

Members' Questions

Presentations

8:00 p.m.

#### CONCLUSION OF ANNUAL GENERAL MEETING

# Nicholas Burgwin, P.Eng.



## EMPLOYER AND POSITION

Toronto Metropolitan University, Manager, Innovation & Commercialization

## EDUCATION

MASc., Electrical Engineering – Ryerson University – 2016

BASc., Electrical Engineering – University of Toronto – June 2010

## EMPLOYMENT HISTORY

2022 – Present	Toronto Metropolitan University, Manager, Innovation & Commercialization
2015 – Present	University of Toronto, Administrator for ECE 4th Year Design Course (ECE496)
2016 – 2022	Fibos Inc., Co-Founder and CEO
2014 – 2016	Ryerson University, Graduate Assistant
2013 – 2016	NBCircuits, Part-Time - Owner, Electronics Design Engineer
2013 – 2014	Advanced Test & Automation, R&D Electrical Technical Lead
2012 – 2013	L-3 Wescam, Electrical Hardware Engineer
2010 – 2012	mySpark Technologies, Electrical Hardware Engineer

## ACTIVITIES IN ADVOCACY ORGANIZATIONS

PEO East Toronto Chapter Board Member, Treasurer

## YEARS OF REGISTRATION WITH PROFESSION

Ontario Professional Engineer since May 2015

## PROFESSIONAL AFFILIATIONS

Administrator for ECE496 (Design Course) at the University of Toronto – 7th year

## COMMUNITY SERVICE

SDTC Seed Fund Jury member (2 times)

Vex Robotics – Design Judge (5 events)

Formula Bharat – Design Judge (4 events, held in January in India each year)

Founder of Formula North (now Formula SAE North) – Director for 8 years

## CONFERENCE OR TECHNICAL PAPERS

Many different technical and business presentations associated with optical measurements and the technology developed at Fibos. A few notable events include Photonics North, PIWG Technical Conference, Western Regional Strain Gauge Committee, Sensors Expo, Automotive Testing Expo, Shenzhen pitch competition.

## CANDIDATE STATEMENT

Nicholas graduated from the University of Toronto in 2010 as an Electrical Engineer and went straight into industry. Throughout his time in industry, he worked on a number of sensor applications and quickly began to recognize the limitations that exist with electrical solutions. A better alternative had to exist, and this was found through research being done at Ryerson University with fiber optic sensors. With a background in solving real world problems, Nicholas went back to school and completed his Master's degree at Ryerson University in August 2016, with his research focused towards developing a unique, low-cost solution that could enable the replacement of conventional electrical strain gauges. Fibos was not a success, but after operating for 6 years and employing over 36 individuals, the experience was invaluable. Nicholas has returned to Toronto Metropolitan University (formerly Ryerson) to manage the university's Intellectual Property portfolio and support researchers commercialize their technologies. Nicholas obtained his Professional Engineer certification in September 2015 and has been a strong supporter of the education of future engineers, acting as a course administrator at the University of Toronto and volunteering for a number of different events, such as VEX, and Formula North. The opportunity to continue to be involved with the OSPE Board would be an honour and in-line with the desire to educate and grow the engineering community in Ontario.

# David Carnegie, P.Eng.

## EMPLOYER AND POSITION

Malroz Engineering Inc., Partner/Senior Environmental Engineer

## EDUCATION

B.Sc. (Hons.) Life Sciences, Queen's University (2004)  
M.Sc. Chemical Engineering, Queen's University (2006)  
MBA Smith School of Business, Queen's University (2014)

## EMPLOYMENT HISTORY

Malroz Engineering Inc. (2006-present)  
• Partner/Senior Environmental Engineer (since 2014)

## ACTIVITIES IN ADVOCACY ORGANIZATIONS

- OSPE Board of Directors (2020 – present)
  - o Secretary (2022 – present)
  - o Board Development and Strategic Planning Committee (2021 – present)
  - o Ontario Engineering Academy Steering Committee (2020 – present)
  - o Audit and Finance Committee (2020 - 2022)
  - o Nominations Committee (2020-2021), Chair in 2021
  - o Environment Task Force, Chair (2020 – 2022)
- OSPE Representative to MECP Excess Soil Engagement Group (2016 – present)
- OSPE steering committee that published (2021) Scientific Report and Best Practices RE: Beneficial Reuse of Excess Soil in Aggregate Pits and Quarries.
- Membership Advisory Committee (2016 – 2022)
- OSPE Job Skills Course for International Educated Engineers, Guest Speaker (2016 – 2022)
- ONEIA (2018 – present)

## YEARS OF REGISTRATION WITH PROFESSION

- P.Eng. (2011, Oct. – present)

## OTHER PROFESSIONAL AFFILIATIONS, INCLUDING POSITIONS HELD

Community Service:

Kingston Economic Development Corporation Board of Directors (2015 – 2021)

- Treasurer/Secretary (2017)
- Treasurer/Vice-Chair (2018)
- Chair (2019 – 2020)
- Past-Chair (2021)

Queen's Smith School of Business MBA Advisory Board (2014 – present)

City of Kingston Environmental Advisory Forum (2009 – 2015)

## CANDIDATE STATEMENT

It has been a privilege to serve you as an OSPE Board Director since 2020. I ask for your continued support as I seek a second term.

I remain keen to serve OSPE because it is the home of the engineering community, a place for our profession to collaborate and give voice to issues important to us and our communities. I am particularly passionate about OSPE's efforts to advance the engineers grow and prosper pillars outlined in the new (2022-2025) strategic plan; successful advancement of these pillars will complement efforts to continue building an engineering community that is inclusive, and trusted for its leadership.

In my time on the OSPE board I have served on numerous committees and working groups. This breadth of activity provides a foundational understanding of OSPE's organizational capabilities as it executes upon the new (2022-2025) strategic plan and provides some continuity of organizational governance.

With your support, I will continue to serve OSPE by drawing upon past board governance experience with my community economic development corporation, and my professional experience as an owner and leader of an Eastern Ontario headquartered geo-environmental science and engineering business.

Thank you for considering my candidacy for the OSPE Board. Regardless of who you vote for this spring, I appreciate your continued engagement as a member of the OSPE engineering community - our profession is all the better for it!



# Mark Egbedeyi-Emmanuel, P.Eng.

## EMPLOYER AND POSITION

EPCOR Utilities Ontario, General Manager, Natural Gas

## EDUCATION

- B.Sc. (Hons) Mechanical Engineering
- Mini-MBA – University of Windsor.
- Registered Gas Distribution Professional – Gas Technology Institute.
- Certified Energy Manager – Association of Energy Engineers.
- Certified Demand Side Manager – Association of Energy Engineers.
- Applied Executive Leadership Certificate – Queens School of Business.
- Chartered Director – The Directors College & McMaster University / Degroote School of Business.
- Certified CEO – The CEO Institute / UNE Partnership in Australia.
- Leading Hybrid Team, Transformational & Charismatic Leadership – Queens School of Business.

## EMPLOYMENT HISTORY

- EPCOR Utilities, Ontario Canada
- Union Gas & Enbridge Gas, Ontario Canada
- British Gas, Leeds United Kingdom
- Nigerian Gas Company, Warri, Nigeria

## ACTIVITIES

### Boards

- Current Board member Ontario Petroleum Institute
- Vice Chair, Oakville Chamber of Commerce
- Board member Windsor/Essex Regional Chamber of Commerce
- Board member, Windsor/Essex Multi-Cultural Council
- President to Board, Cultural Coalition of Chatham-Kent
- Board member, Victorian Order of Nurses, Chatham-Kent

### Committees

- Current member of the OSPE Energy Task Force Committee
- Chair-Elect, United Way Campaign Cabinet, Elgin Middlesex
- Current member, Standard Council Committee
- Member, United Way Campaign Cabinet, Hamilton/Halton
- Chair of the OTF Grant Review Team in Halton/Peel
- Member of the Construction Safety Association of Ontario

## YEARS OF REGISTRATION WITH PROFESSION

With the PEO & OSPE for 20 years

## OTHER PROFESSIONAL AFFILIATIONS, INCLUDING POSITIONS HELD

- Fellow of the International Institute of Directors and Manager
- Member of Association of Energy Engineers
- Member of International Leadership Association
- Professional Engineers of Ontario
- Member of American Society of Quality

## COMMUNITY SERVICE

- All listed above in my involvement within various Canadian towns I have resided in, i.e. Chatham-Kent, Windsor-Essex, Hamilton-Halton, St Thomas-Elgin

## CONFERENCE OR TECHNICAL PAPER

- Working on a paper titled "**Establishing A Natural Gas Utility of the Future in Ontario**, with the following 6 focus area.
  - Situational Awareness, Procurement, Partnerships and Alliances, Customer Engagement and Experience, Asset Management and Optimization, Investment Planning and Optimization

## CANDIDATE STATEMENT

As a professional engineer and member of OSPE, I have observed that members of the PEO don't fully understand the value proposition that OSPE offers to them, and I am committed to increasing membership within energy companies and their vendors in South Western Ontario.

Drive and enhance member value proposition to build loyalty and drive member acquisition and improve retention rates.

To assist with excellent member experience and enable member engagement.

To assist with delivering on OSPE Values and Strategic Plan Goals and execute the four strategic pillars linked to the goals.

I possess the experience in these various categories that will make me assets to serve as a board member, (i) Risk Management and Controls, (ii) Regulatory, by ensuring an organization is complying with all of the regulations and laws, (iii) Membership Association Management and Member Relations.



# Bhola Ajay Giri, P.Eng.

## EMPLOYER AND POSITION

MSS Machining & Fabrication Inc. (President, Founder & Operation Manager)

## EDUCATION

- Bachelor of Mechanical Engineering, Guru Nanak Dev Engineering College, Ludhiana, Panjab University, India (1995)
- Post Graduate Diploma in Export Management(2001)

## EMPLOYMENT HISTORY

- 2016-Present, President/Operation Manager, MSS Machining & Fabrication Inc. Canada
- 2005-2016, Manufacturing, Arkbro Industries, Mississauga, Canada
- 1995-2004, Manufacturing, H.R. International, Jalandhar, India

## YEARS OF REGISTRATION WITH PROFESSION

- Ontario----Professional Engineer, PEO (2016 – Present)

## OTHER PROFESSIONAL AFFILIATIONS, INCLUDING POSITIONS HELD

- Technical Specialist, OACETT (2006-2010)
- Premium Member, CWB Toronto (2015-Present)
- Professional Member, OSPE (2016-Present)
- Member AIAG (2020 – Present)

## COMMUNITY SERVICE

- Malton Cricket Club, Mississauga, Mentor/ Head Coach U15, U17, U19 Team(2007-2010)
- Member, GNE Alumni association, India to support engineering Students (1995-Present)
- Teacher Assistant, EPIC Mississauga for P. Eng. Technical Course(2014)
- Mentor/Advisor, International & Newly Graduated Engineers in Ontario (2016-Present)
- Co-Op & Internship provider to Various Ontario Community colleges (2017-Present)

## CANDIDATE STATEMENT

I am extremely honored to be nominated for the opportunity to serve on the OSPE board. As an Engineer with 25+ years of extensive experience in Automotive and Manufacturing industry, and significant experience as an entrepreneur and a business owner, I can offer a valuable perspective on a wide range of advocacy issues for Ontario engineers.

As an internationally trained engineer myself, I know the challenges that internationally trained engineers face in their effort to be part of the profession and with the licensure process. I have personal experience of how important it is to be engaged in the profession, to create networks and have professional affiliation. With the years of continuous professional development, technological advancement and engineering approach to the projects, I am successfully leading a well reputed manufacturing company in the North America, known as MSS Machining. The company is providing manufacturing solutions to the top Automotive and OEM Companies like GM, Flex N Gate, Borg Warner, Aircraft Appliance, and Mobile Climate Control.

I am interested in participating as a member of the Board of Director to do something meaningfully to the profession I care about. I believe OSPE is the best platform to lead, collaborate and work together with area experts and government to advocate for the whole engineering society and more recognition for our engineers in the public.

I believe my Industrial, strategic planning, business, and entrepreneurship skills will be very useful, while participating in OSPE initiatives to advocate the voice of the engineers and our society. My goal will be to promote diversity, create opportunities for engineers and engineering graduates to connect, collaborate, and contribute as they progress through their career.

Please join me in the voting for the OSPE board of director election. Thank you for your support and consideration.



# Meggen Janes, M.Sc., QPRA, QPESA, P.Eng.

## EMPLOYER AND POSITION

Principal at Geosyntec Consultants

## EDUCATION

M.Sc., Environmental Engineering, University of Guelph, Ontario, 1995  
B.A.Sc., Geological Engineering (Geotechnical option), University of Toronto, Ontario, 1989

## EMPLOYMENT HISTORY

2021 to current, Principal at Geosyntec.  
2017 to 2021, Director, Soil and Groundwater Management, Waterfront Toronto.  
2008 to 2017, Client Service Manager, CH2M Hill (now Jacobs).  
2003 to 2008, Department Manager, Earth Tech Canada Inc. (now AECOM).  
2000 to 2003, Project Manager, Gartner Lee Limited.  
1997 to 2000, Operations Manager, Sector Lead, Fluor Daniel GTI/Conor Pacific.

## ACTIVITIES IN ADVOCACY ORGANIZATIONS

Board Member of the Canadian Brownfield Network, 2017 to 2023  
Vice President, Canadian Brownfield Network, 2020 to 2022  
Co-Chair of the Canadian Brownfield Network Conference, 2018 to current  
Qualified Person Community of Ontario (QPCCO) Steering Committee Member  
Member of the Communication and Membership Committees of the Canadian Brownfield Network

## YEARS OF REGISTRATION WITH PROFESSION

26 years in Ontario

## COMMUNITY SERVICE

- Recipient, Canadian Brownfield Network Pillar Award: [2018 Award Announcement](#)
- STEM Lead, Palmerston Avenue Junior Public School: co-organized National Engineering Month events
- Multiple successful grant applications for community projects
- Science Fair Judge, Toronto School (2019, 2023)
- Science Fair Organizer/Participant, Waterfront Toronto (2019, 2020 and 2022)
- Community Garden Build, Christie Refugee Centre, Toronto (2020)

## LECTURES AND CONFERENCE PRESENTATIONS

- Graduate Course Instructor, Toronto Metropolitan University (2012, 2014)
- Regular Guest Lecturer, Toronto Metropolitan University and University of Toronto.
- Over 25 conference or association presentations including those at Excess Soil Symposium, Society of Environmental Toxicology and Chemistry, Canadian Society for Civil Engineering, Greater Toronto Transportation Network, North American Environmental Law Network Annual Conference, Toronto Construction Association and others.
- Produced a [Micro Documentary Excess Soil](#)

## CANDIDATE STATEMENT

The engineering profession is diverse, evolving and full of opportunities for transformation. As practitioners, our focus on continuing to remove barriers, increase diversity, encourage and provide growth opportunities for young engineers will open paths for the next generation of engineers. Through work and volunteering with youth, I promote and encourage interest in the profession. **I want to serve on the Board of OSPE to support the transformation to the future of engineering.**

I work on best practices, innovation, collaborative programs, and circular economy initiatives that rely on a variety of engineering disciplines. **I want to serve on the Board of OSPE to advocate on the criticality of engineering in addressing issues and improving lives.**

I am a long-time Toronto resident. As a consulting engineer and active Board member of the Canadian Brownfield Network, I am accustomed to steering multi-disciplinary teams that connect across practice areas and hierarchies. **I want to apply my skills in relationship building, communication, and engagement to become a valuable member of the Board of OSPE.**



# Changiz Sadr, P.Eng., FEC, CISSP

## EMPLOYER AND POSITION

Retired

## EDUCATION

- B.Sc. of Telecom Engineering from Iran
- 30+ technical and management certificates from Germany, US, and Canada

## EMPLOYMENT HISTORY

- Communications Infrastructure Engineering and Cybersecurity Consultant
- University of Toronto – Correction and Completion of the Course Curriculum for PEO PPE
- Seneca College – Course Development and teaching of the OACETT PPE
- Manager Network Services/Sr. Network Architect - Symcor
- Sr. IP Network Architect – Sprint Canada
- Manager Network Planning – Optel Communications
- Network Planner/Access Engineer – Netcom Canada

## ACTIVITIES IN ADVOCACY ORGANIZATIONS

- EIR Advisory Board – Engineers of Tomorrow to promote the engineering for youths and students
- Board of Directors – Engineers for the Profession (E4P) to facilitate discipline specific engineering licensing structure
- Advisory Board/Leadership Team – Space Place Canada to facilitate and coordinate building of a Planetarium for Toronto

## YEARS OF REGISTRATION WITH PROFESSION

Ontario: 24 years

## OTHER PROFESSIONAL AFFILIATIONS

- OSPE
  - Toronto Exchange Hub
  - Mentor
- Engineers Canada
  - Board of Directors
  - Canadian Engineering Qualifications Board
- Professional Engineers Ontario (PEO)
  - Council - East Central Region Councillor
  - Executive Committee
  - Regional Councillors Committee Chair
  - Experience Requirements Committee Chair
  - Licensing Committee vice Chair
  - Finance Committee
  - Audit Committee
  - Discipline Committee
  - Government Liaison Committee
  - Emerging Disciplines Task Force
    - Communications Infrastructure Engineering Working Group vice Chair
  - Willowdale/Thornhill Chapter
    - Chair
    - Vice-Chair
    - Government Liaison Program Committee Chair
    - Programs and Events Committee Chair
  - General Visitor for CEAB Accreditation Visits
- Ontario Association of Certified Engineering Technicians and Technologists (OACETT) Council

## COMMUNITY SERVICE

- Toronto South Local Immigration Partnership and Newcomer Councils
- Skills for Change and ACCES Employment – Mentor
- Canadian Society of Iranian Engineers and Architects (Mohandes)
  - Board of Trustees
  - Board of Directors
    - Vice- Chair
    - Publication Committee Chair
    - Science and Technology Committee Chair
- North York General Hospital – Foundation Board – Development Committee
- Iranian-Canadian Network – JVS Toronto - Mentor
- ICTC – Mentor

## CONFERENCE OR TECHNICAL PAPERS GIVEN OR PUBLISHED

- Presentations:
  - OSPE 2022 Annual Engineering Conference – Engineering and Cybersecurity
  - Cybersecurity Protection topics
    - OSPE
    - PEO Chapters
    - APEGA
    - Global Virtual Summit – Emerging ICT Technologies
    - BrightTalk – ISC2
  - TEM2009 Conference - Telecom Environment Management Dashboard
  - CIRA Annual Conference
- Publications:
  - Enhancing the Digital Utilization: Digitalization World – Energy Central
  - Data Analytics and Intelligence: Creating Real Value – Energy Central
- Panelist:
  - Cybersecurity Q&A – Protecting Digital Infrastructure – Ontario Center for Engineering and Public Policy
  - Harmonized Sales Tax with Ontario Minister of Revenue – OSPE & PEO

## CANDIDATE STATEMENT

As an immigrant engineer, my focus is on EDIB (Equity, Diversity, Inclusion, and Belonging). OSPE is doing a great job in some of the related areas, but we need to improve the existing processes and develop more engaging processes, specifically in the areas of Inclusion and belonging. Together, we can make a positive change.





# Caroline Wojtyla, P.Eng.

## EMPLOYEE

Liberty Power, Project Engineer

## EDUCATION

- Bachelor of Science in Civil Engineering, Ryerson University

## EMPLOYMENT

- Project Engineer III, Liberty Power  
2021 – Present
- Civil Engineer in Training (EIT)/ Assistant Project Manager, GP Joule  
2019 – 2021
- Customer Success Manager/Data Analyst, Canopy Labs  
2018
- Civil Engineer in Training (EIT), Black and Veatch  
2016-2018
- Engineering Intern, Black and Veatch  
2015
- Hydrological Engineering Lab Assistant, Ryerson University  
2015

## ADVOCACY ORGANIZATIONS

- Environmental Task Force, OSPE  
April 2020 – December 2022
- Liaison of Government Affairs, WEAO  
March 2018 - April 2019

## PROFESSIONAL REGISTRATION

- Professional Engineering License, Professional Engineers of Ontario  
September 2022 - Present

## PROFESSIONAL AFFILIATIONS

- Core Member, Women in Business Development at Liberty Power  
2022-Present
- Co-President and VP, Engineers without Borders Ryerson Chapter  
2012-2016

## COMMUNITY SERVICE

- Mentor, Society of Women Engineers Toronto Chapter  
May 2020 – December 2022
- Volunteer Hygiene-Kit Prep, Liberty/Algonquin Recovery Project  
September 2022
- Bronte Creek Run for Ukraine, Liberty Utilities  
May 2022
- Volunteer Meal-Kit Prep, Spadina-Fort York Community Care  
August 2020
- Fundraiser Participant (Northern Pass), Princess Margaret Foundation  
August 2018
- Fundraiser Participant (Ride to Conquer Cancer), Princess Margaret Foundation  
June 2016

## TECHNICAL PAPERS

The Life and Afterlife of Solar Panels – OSPE Blog

<https://ospe.on.ca/advocacy/the-life-and-afterlife-of-solar-panels/>

## CANDIDATE STATEMENT

I am honoured to be considered for the opportunity to serve as a Director on the OSPE Board. I believe engineers have a unique and holistic perspective on the world that allows them to advocate for government, employers, and their community.

OSPE's task forces are the pillars of the organization and I will ensure that task force leaders have the tools and resources they need to support their teams. This will increase member satisfaction and allow these advocacy initiatives to reach their full potential by amplifying their voice via the appropriate platform.

If elected, I will bring my enthusiasm and dedication to the engineering profession by positively influencing new and existing members from diverse backgrounds to help achieve the Board's objectives. I intend to achieve this by engaging with the broader OSPE community and raising OSPE's profile to university engineering groups and professional regional chapters, like Engineers without Borders.

I believe I am an ideal candidate because of my experience as an OSPE member and mentor to young engineers. By understanding young engineers' aspirations, I will help increase membership engagement and further advise on OSPE's strategic direction. My work experience constructing infrastructure has provided me with the relevant skills to work with many authorities with jurisdiction in Ontario and has given me the understanding of how policies affect varying levels of society. This experience, in combination with my passion for the engineering profession, will empower my success as a Board member.

I look forward to serving our powerful community.

Thank you for your support and consideration.

