

Matthew Mairinger, P. Eng., PMP

Education:

Graduate Diploma in Nuclear Technology – Ontario Tech University	2021
Bachelor of Engineering in Nuclear Engineering (Honours), with highest distinction – Ontario Tech University	2014

Work Experience:

Business Analyst, Strategic Initiatives & Oversight, OPG September 2021 – Present

- Responsible for developing and executing the Nuclear Sustainability Services Strategic Plan and developing the long term vision for Nuclear Sustainability Services.
- Strategic Initiatives Support for NSS initiatives: System Plan Forecast, Waste Minimization and Diversion at Source, IX Resin Processing and C-14 Remediation, Innovation Hub, ILW Spent IX Resin Management, Loading Minimum 6 Year Old Fuel, Automated 'Next Gen' Welding for DSCs, 5/8" Lid-to-Base Welding for DSCs, and Outdoor Storage.

Technical Engineer, Performance Engineering Darlington, OPG January 2020 – September 2021

- Nuclear Safety Review Board (NSRB) Engineering SPOC in July 2020 and WANO stakeholder relations support during Darlington WANO 2020 Peer Review.
- COVID-19 Command Centre (CCC) Darlington lead and Crisis Management Command Centre site lead (August 2020 – September 2020) and co-lead/communications lead (March 2020 – July 2020).

Senior Advisor – Stakeholder Relations, Performance Improvement Pickering, OPG June 2018 – January 2020

- Site lead for IAEA OSART follow-up mission, WANO continuous performance monitoring program, WANO site visits and evaluations, International Senior Nuclear Plant Manager Program (I-SNPM), Insurance survey, Nuclear Safety Review Board (NSRB), COG Nuclear Professional Development Seminar (NPDS) and other external visits.
 - Achieved highest OSART, Insurance, NSRB, and WANO results in site history during time in role.
- Owner of the Pickering Passion for Excellence (P4E) site improvement program.

Technical Engineer, Performance Engineering Darlington, OPG April 2015 – June 2018

- Fully qualified Environmental Qualification (EQ) SPOC and Steam and Flood Barrier system engineer
- Outage Control Centre Engineering lead during D1641 ("O" shift), D1711 ("X" shift) and D1831 ("Y" shift)
- OPEX SPOC for Darlington Performance Engineering from April 2015 to January 2017

Reactor Safety Evaluator, Engineering Trainee rotation, Pickering, OPG December 2014 – April 2015

- Analyzed work daily and reported reactor safety significant events to the regulator (CNSC)
- Prepared reports and software verifying Systems Important to Safety and the link from Preventative Maintenance Tasks to their technical basis.

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Modification Team Leader, Engineering Trainee rotation, Darlington, OPG June 2014 – December 2014

- Prepared project documentation using the Engineering Change Control process while working with interdisciplinary teams.

Cost and Schedule Analyst, Darlington, OPG May 2014 – June 2014

- Member of the Darlington High Impact Team (HIT) tasked with the Integrated Schedule Initiative (IIS) to initiate the Contract Change Form (CCF) process for the multi-billion dollar Refurbishment and Campus Plan project P6 schedules and cost control for the Proliance Import Files.

Engineering Intern – Cost and Schedule Analyst, Darlington, OPG May 2012 – July 2013

- Worked with project engineers and utilized project charters to develop project schedules in Primavera P6.

Affiliations and Professional Associations

Project Management Professional – License number 2989965 2021 – Present

United Kingdom Nuclear Institute Young Generation Network – UN COP26 Delivery team 2020 – 2021

Energy Council of Canada, Young Energy Professional 2019 – Present

North American Young Generation in Nuclear (NAYGN), Canadian Operating Officer 2018 – Present

- Elected position on the board representing 5,000+ members across 77 chapters in 3 countries.
- Experience in stakeholder relations meeting with Ministers, MPs, MPPs, mayors, community members.
- Presented at international conferences and engaged with stakeholders at CNA, United Nations COP25, CEM10, WANO BGM 2018, ANS PBNC 2019, and CNS.
- Stakeholder engagement with ANS, CNA, CNIC, CNS, CNSC (license hearings), DOE, EHRC, Environmental Progress, EPRI, Generation Atomic, IAEA, INPO, IYNC, NII, NRC, NRCAN, NWMO, Ontario Tech U, PWU, Society of United Professionals, Student Energy, UNENE, WANO, and WiN.

Canadian Nuclear Association (CNA), member on the board of directors 2018 – Present

Professional Engineers Ontario, Professional Engineer (P. Eng.) – Licence number 100211057 2018 – Present

Women in Nuclear (WiN), member – Durham Chapter 2016 – Present

North American Young Generation in Nuclear (NAYGN), President – Durham Chapter 2017 – 2019

- During role as president the Durham chapter won the best chapter in Canada and chapter metrics increased year over year by 50%. Awarded the individual achievement award at NAYGN in 2018
- Managed chapter budget and ensured programs were delivered within budget as per business plan

North American Young Generation in Nuclear (NAYGN), Vice-President – Durham Chapter 2015 – 2017