



Nolan Porter, PhD (Cand.), GISP, PMP - Director of Surveys and Geomatics - Infrastructure Ontario

Year of Initial GISP Certification: 2015

Education / Other Professional Licenses or Certifications:

- PhD Candidate (ongoing) – Lassonde School of Engineering, York University
- MSc. in Geographic Information Systems – University of Portsmouth, 2012
- Postgraduate Diploma in GIS – Vancouver Island University, 2020
- BSc. (Honours) in Geomatic Engineering – The University of the West Indies, 2008
- Project Management Professional (PMP) – 2020

Professional Experience:

- Director of Surveys and Geomatics – Infrastructure Ontario, Sept. 2025 – Present
- Integrated Digital Delivery (IDD) Senior Geospatial Manager – Aecon, Mar. 2020 – Aug. 2025
- Geospatial Engineer – Industrial Skyworks Canada, Toronto, Mar. 2018 – Mar. 2020
- Geospatial Engineer – Fugro, Ciudad del Carmen, Mexico, Aug. 2013 – Feb. 2018
- Co-Founder and Managing Geospatial Consultant – Atlantic Geospatial Solutions Ltd., Trinidad & Tobago, Dec. 2012 – Aug. 2013
- GIS Research Assistant – Ministry of Energy and Energy Affairs, Trinidad & Tobago, Jun. 2010 – Aug. 2011
- Geomatic Technician – SHEMSU Surveying Limited, Trinidad & Tobago, Jul. 2008 – Aug. 2009

Professional Organizations / Activities:

- Project Management Professional (PMP) – 2020
- Lean Six Sigma Black Belt – 2023
- Certified GIS Professional (GISP) – GIS Certification Institute, 2015
- URISA GIS Project Management – 2010
- Information Management Practitioner – 2021
- Esri: Transform AEC Projects with GIS and BIM – 2023

Statement of Interest:

I am honoured to put forward my candidacy and to represent the global community of GIS professionals who, like me, have built careers bridging geospatial science with the complex demands of infrastructure, engineering and emerging digital technologies.

My journey in geospatial practice began in Trinidad & Tobago in 2008 and has since taken me across continents. From offshore operations in Mexico with Fugro, to integrated digital delivery leadership at Aecon, to my current role as Director of Surveys and Geomatics at Infrastructure Ontario, where I lead a team advancing GIS, Digital Twin integration, BIM/geomatics innovation and geospatial data services for one of Canada's largest public infrastructure agencies. This breadth of experience spanning energy, marine, construction, government and academia has given me a uniquely international and multi-sector perspective on what the GISP designation means and what it can become.

I have been a Certified GIS Professional since 2015, and throughout that time I have consistently championed the value of professional certification to colleagues, employers and emerging practitioners. As a PhD candidate at York University's Lassonde School of Engineering, my research focuses on BIM-integrated LLM frameworks for construction and demolition waste management. This research informs my conviction that our profession must evolve its standards and credentialing pathways to reflect the expanding role of geospatial thinking in AI, digital infrastructure and smart cities.

As a practitioner who has worked in globally, I understand the barriers that geospatial professionals in developing regions face in accessing certification resources, professional networks and career development opportunities. I am passionate about ensuring that the GISP designation is globally accessible, meaningful and respected. Not just in North America, but in every region where geospatial technology is shaping critical decisions.

If given the opportunity to serve on the GISCI Board, I would bring energy, a genuine commitment to the profession and a vision for a certification program that grows with the technological and geographic frontiers of GIS. I look forward to the privilege of representing fellow GISPs and contributing to a stronger, more inclusive future for our community.