2026 Early Achievement Award Winner

Danielle-Magda Salem, P.Eng.

Danielle-Magda Salem, P.Eng., received her Bachelor of Science in Civil Engineering from the University of Manitoba in 2014 and became registered as a Professional Engineer in Manitoba in 2018. Since beginning her career with Manitoba Transportation and Infrastructure (MTI) in 2014, Danielle has demonstrated exceptional technical expertise, leadership, and dedication to public service in bridge engineering and infrastructure delivery.

Joining MTI as an engineering intern, Danielle gained experience in bridge design, inspections, maintenance, and construction before advancing to the role of Construction Services Engineer in 2020. In this position, she became the youngest individual in the history of the Bridges and Highway Structures Branch to lead the Construction Section, where she oversees Manitoba's bridge capital program, manages multidisciplinary technical teams, and administers annual construction budgets exceeding $100 million.

Throughout her career, Danielle has provided contract administration and project management for numerous bridge replacements and rehabilitations across Manitoba, including the PR 313 bridge over the Winnipeg River, the PTH 23 bridge over the Red River, the First Street Bridge in Brandon, and other major transportation infrastructure projects. Her ability to manage complex engineering challenges while maintaining high standards of safety, quality, and fiscal stewardship has earned her the respect of colleagues, consultants, and contractors alike.

Beyond her technical accomplishments, Danielle is committed to developing the next generation of engineers. She has mentored numerous Engineers-in-Training, volunteers on Manitoba Transportation and Infrastructure's Engineer-in-Training Oversight Committee, and serves as an industry sponsor and project owner for the University of Manitoba's fourth-year Capstone Design Program.

Danielle has also demonstrated outstanding service to the engineering profession. She volunteered for approximately six years with the Committee for the Inclusion and Participation of Women in Engineering (CIPWIE), helping support its evolution into a permanent Engineers Geoscientists Manitoba program. She continues to contribute to CCWESTT and MCWESTT conferences, represents MTI at the Canadian Precast Concrete Quality Assurance Association, and has contributed to technical papers and presentations for the Transportation Association of Canada and the American Concrete Institute.

Danielle is recognized as an exceptional early-career engineer whose technical excellence, leadership, mentorship, and commitment to public infrastructure have made a significant impact on Manitobans. Her accomplishments exemplify the values of Engineers Geoscientists Manitoba and reflect the highest standards of the engineering profession.

In recognition of her exceptional professional achievements, leadership, service to the engineering profession, and contributions to the people of Manitoba, Engineers Geoscientists Manitoba is pleased to present the 2026 Early Achievement Award to Danielle-Magda Salem, P.Eng.