

This is to express my interest in serving on the Senate and to give the electorate a brief overview of my research focus, teaching experience and contribution and service within and outside the university.

I first joined the McMaster Department of Civil Engineering as a PhD student in 2013 and later as a Post-doctoral Fellow and Assistant Professor in 2017 and 2019, respectively. **My research** focuses on innovative low-damage concrete and masonry systems, critical infrastructure resilience, and structural response in extreme multi-hazard environments. I have supervised 6 PhD, 5 MAsC and 1 MEng students as well as 9 undergraduates and 1 PDF and I am currently supervising 8 PhD and 1 MEng students. I have published more than 50 articles in top-caliber journals and more than 40 papers in proceedings of major international conferences. My HQP trainees have been recognized nationally and internationally by receiving numerous prestigious accolades including the *Vanier Canada Graduate Scholarships*, *Ontario Graduate Scholarships*, *Mitacs Research Training Awards*, *American Society of Civil Engineers (ASCE) Best Paper Awards*, *Canadian Nuclear Society CANDU Scholarship*, *A. Ghobarah Scholarships*, *Natural Science & Engineering Research Council of Canada (NSERC) Undergraduate Summer Research Awards*, *Mitacs Undergraduate Globalink Research Internships*, *Women in Transportation Awards*, and the *M.A. Hatzinikolas Award*. My HQP trainees currently hold leadership positions in the private- and public sectors as well as in academia including three Assistant Professors. Building on more than a decade of conducting high-quality research, I was awarded the *McMaster International Excellence Award*, *NSERC Industrial Postgraduate Scholarship*, *Ontario Centres of Excellence TalentEdge Fellowship*, *ASCE Environmental & Water Resources Institute Best Paper Award* and *The Masonry Society Honourable Mention Journal Paper Award*.

As an educator, I taught several undergraduate and graduate courses at McMaster on structural mechanics; modern methods of structural analysis; design of low-rise buildings; capstone graduation projects; and seismic behavior of systems. In these courses, I have been adopting a teaching philosophy that centers around equipping the next generation of McMaster graduates with the necessary technical and interpersonal skills to become competent, innovative, and effective leaders in a highly competitive world. To further sharpen my pedagogical approaches, I have been utilizing the resources of the Paul R. MacPherson Institute for Leadership, Innovation & Excellence in Teaching and other McMaster development opportunities such as the Teaching & Learning Foundations Certificate of Completion and the Instructional Skills Workshop. To recognize my outstanding all-around teaching performance, I was the recipient of the *Excellence in Teaching Award* from the McMaster Student Union (MSU) and the *Random Acts of Kindness Award* (student-based selection) from the McMaster Faculty of Engineering.

In terms of service, throughout my +10 years at McMaster, I have served as the department representative in many academic, teaching and service initiatives such as the Instructor Development & Evaluation Committee, Microcredentials Committee, Engineering & Management Operating Committee, Engineering I Operating Committee, *Beyond-IP13* Committee, and Curriculum & Policy Committee. The Strategic Leader Program, by McMaster Continuing Education in partnership with Human Resources Services, has equipped me with vital capabilities to serve also as the current *Director of the Applied Dynamics Laboratory (ADL)*—a Core McMaster Research Facility, where I am responsible for overseeing the day-to-day operations, strategic directions, and the annual operation budget. I am a licensed Professional Engineer in Ontario and have been serving on many committees and policy-making bodies outside McMaster, including the Canadian Standards Association (CSA) S304, Design of Masonry Structures; CSA N287/291, Concrete Containment and Safety Related Structures for Nuclear Power Plants; and the National Adaptation Strategy Advisory Group of the Ontario Society of Professional Engineers (OSPE). I have also been elected by my peers to serve as the current *Chair of the Canadian Society for Civil Engineering (CSCE) Masonry Structures Committee*. In addition, I am currently serving as an Associate Editor (Masonry, Concrete, Resilience) of the *Journal of Structural Engineering*—the oldest and most prestigious journal in its field and also among all 35 ASCE journals.

I hope this provides you with a glimpse of my career at McMaster within the limits of this single page.