



The Engineering Institute of Canada

2024 Award Citation

EIC Fellow



Ramin Sedaghati

Nominated by the Canadian Society for Mechanical Engineering

Professor Sedaghati of Concordia University is a world-renowned scholar in smart materials and adaptive structures, and holder of a Research Chair (CURC-Tier I) in Smart Materials & Adaptive Structures. His groundbreaking works on multifunctional magnetoactive materials have been instrumental in advancing next generation of adaptive vibration absorbers and isolators, which have garnered widespread recognition and citations.

Ramin pioneered the development of an efficient structural optimization techniques using the integrated force method which have been widely recognized in mechanical and aerospace engineering community. His work on the development of force limited vibration testing strategy in collaboration with Canadian Space Agency has been extensively used within the space sector for preventing ground vibration over-testing of space satellites.

Ramin has also significantly contributed to enhancement of engineering design education and received several teaching excellence awards. He has also trained over 80 research graduates as well as 110 research undergraduate students, who are all well positioned in industry and academia. He has published over 150 journal articles in prestigious journals and 150 articles in international conference proceedings. He has been honored with the rank of fellow of the CSME and ASME, and associate fellow of AIAA for his outstanding contributions in mechanical and aerospace engineering.

Ladies and gentlemen, and Ms. President, please welcome Ramin Sedaghati as a Fellow of the Engineering Institute of Canada.