



The Engineering Institute of Canada
2022 Award Citation
EIC Fellow



Leo Rothenburg

Nominated by the Canadian Geotechnical Society

Dr. Leo Rothenburg of the University of Waterloo has demonstrated excellence and dedication in teaching, research, upper level university administration, and professional practice in civil engineering. His research has contributed to the development of theoretical foundations and computational methods in micromechanics of granular materials, in areas of geomechanics of petroleum production, solid waste management and chemical physics.

His work in the area of granular particle mechanics is seminal and has appeared in publications as diverse as the science journal Nature to the top journals in geotechnique, rock mechanics and applied mathematics and physics. Dr. Rothenburg's technical expertise also extends to pavement engineering, geomechanics of rock salt and potash recovery using conventional and solution mining, as well as nuclear waste disposal in rock salt.

His technical expertise is unique in being a combination of physics, mathematics, engineering and computational methods. The applications of Dr. Rothenburg's work have been widespread ranging from the classroom to challenging projects in Canada and around the world.

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