



The Engineering Institute of Canada

2022 Award Citation

EIC Fellow



Gordon Huang

Nominated by the Canadian Society for Civil Engineering

As a Canada Research Chair and Fellow of CSCE and Canadian Academy of Engineering, Gordon Huang developed innovative optimization approaches to tackle complexities of environmental risk management that are beyond direct human reasoning. His work led to the establishment of a new subject about non-deterministic environmental systems engineering uniquely useful for multi-stakeholder risk management practices.

Huang's methods were introduced by several international development agencies to a number of countries. He also led a number of international research programs, with the results revealing complexities in environmental systems and obstacles that hinder sustainable regional development.

His findings were substantially used by stakeholders from multiple sectors and offered bases for formulating desired policies that are of enormous socio-economic implications.

Huang served as Associate Dean of Engineering at U of R for over 15 years. He has also been president of the International Society for Environmental Information Sciences and is Editor-in-Chief for 2 international journals. He published over 1,000 journal papers, trained over 100 graduate students, and led over 200 projects including 8 NSERC Strategic Grants.

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