



The Engineering Institute of Canada
2020 Award Citation
EIC Fellow



Susan Tighe

Nominated by the Canadian Society for Civil Engineering

Susan Tighe is a professor of Civil and Environmental Engineering at the University of Waterloo, where she is also Deputy Provost and Associate Vice President Integrated Planning and Budgeting and the Norman W. McLeod Chair in Sustainable Pavement Engineering.

Susan is well recognized for her pioneering contributions to pavement engineering, which have profoundly advanced the understanding and implementation of resilient, high performance, and sustainable pavements for Canadian roads and airfields. Her work has influenced the design of long life asphalt pavements and the evaluation of recycled materials for usable, low-cost concrete. It has also led to the first usage of recycled concrete aggregate pavements, and new protocols for precast concrete panels now used in highway rehabilitation. These contributions have been captured in over 490 journal and conference publications, and have been implemented across Canada and the globe.

Susan's leadership and contributions to the profession have been exemplary, including as President of the Canadian Society for Civil Engineering. She is a Fellow of the Canadian Academy of Engineering, has received Research & Development and Young Engineer Medals from Professional Engineers Ontario. She was elected to the inaugural class of the Royal Society College of New Scholars, Artists and Scientists.

Ladies and gentlemen, and Mr. President, please welcome Susan Tighe as a Fellow of the Engineering Institute of Canada.