



## The Engineering Institute of Canada 2019 Award Citation

### Médaille Julian C. Smith

(recognizes achievement in the development of Canada)



**Heather L. MacLean**

#### **Nominated by the Canadian Society for Chemical Engineering**

*Professor Heather MacLean is an internationally recognized leader in the development and application of life cycle-based approaches for the techno-economic and environmental evaluation of conventional and alternative energy and transportation systems. She has worked closely with the automotive, oil, electricity, biofuel and construction industries, as well as governments in Canada and internationally.*

*Her research has informed the development of energy and environmental policy throughout North America (e.g., California's Low Carbon Fuel Standard), as well as industrial practice for leading companies such as General Motors and Exxon Mobil. Professor MacLean has served on industry and government advisory committees in Canada and internationally. She is also a leader in sustainability education, having developed first-of-their-kind graduate and undergraduate courses in life cycle assessment and sustainable energy systems at U of T.*

*Professor MacLean is a fellow of the Engineering Institute of Canada and the Canadian Academy of Engineering and a recipient of the CSCE Albert E. Berry Medal and the Canada Mortgage and Housing Corporation Excellence in Education Award for the Promotion of Sustainable Practices.*

*Ladies and gentlemen, and Mr. President, please welcome Dr. Heather MacLean as a recipient of the Julian C Smith Medal of the Engineering Institute of Canada.*