



# The Engineering Institute of Canada

## 2023 Award Citation

### Julian C. Smith Medal

(recognizes achievement in the development of Canada)



### **Michael Carter**

**Nominated by the Institute of Industrial and Systems Engineers**

*Michael Carter is a professor in the University of Toronto's Department of Mechanical and Industrial Engineering and the founder of the Centre for Healthcare Engineering. He is recognized internationally as a leader in systems engineering approaches to healthcare, influencing health policy and practice throughout Canada through his leadership positions, educational initiatives, and work with healthcare organizations. Professor Carter has used simulation modelling and other operations research tools to help the healthcare industry make decisions that improve quality of care, reduce costs, and increase efficiency.*

*He has been a pioneer in demonstrating the important role of engineering in Canada's health care system; the tools he has created are used by government and healthcare organizations throughout the country. Professor Carter also created Canada's first healthcare engineering courses and spearheaded the creation of the Master of Health Care Engineering program at the University of Toronto.*

*He is a Fellow of the Engineering Institute of Canada, the Institute for Operations Research and Management Science (INFORMS), the Canadian Academy of Engineering and the Canadian Academy of Health Sciences, and he has garnered the Canadian Operational Research Society Award of Merit for lifetime contributions to operations research. He has also received several teaching awards.*

*Ladies and gentlemen, and Ms. President, please welcome Michael Carter as a recipient of the 2023 Julian C Smith Medal of the Engineering Institute of Canada.*