



# The Engineering Institute of Canada 2019 Award Citation

## EIC Fellow



***Yuri Muzychka***

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

*Dr. Yuri Muzychka has made significant contributions to research, teaching and administrative leadership in mechanical engineering, particularly in the fields of heat transfer, thermodynamics and fluid mechanics. He is a Professor and Department Head of Mechanical Engineering at Memorial University of Newfoundland. Dr. Muzychka's contributions to the development of advanced predictive models of heat transfer have been widely adopted and cited in the archival literature. He has co-authored over 190 journal and conference papers. His contributions have enabled thermal engineers to develop more efficient designs for heat exchangers, electronics cooling, and HVAC systems.*

*Dr. Muzychka's models have been adopted in several books and used in the heat exchanger industry. Systems engineers at several technology companies have adopted his models for heat sink designs in cooling of multiple power devices. His contributions have led to a significant reduction in computational costs while improving the accuracy of heat transfer models.*

*Dr. Muzychka has also contributed significantly to teaching and learning in thermal and fluids engineering, as well as administrative leadership which led to numerous curricula, laboratory and program innovations under his leadership as Department Head.*

*Ladies and gentlemen, and Mr. President, please welcome Dr. Yuri Muzychka as a Fellow of the Engineering Institute of Canada.*