



The Engineering Institute of Canada
2021 Award Citation
EIC Fellow



Venkata Raman Dinavahi

Nominated by IEEE Canada

Venkata Dinavahi is a Professor in Electrical and Computer Engineering at the University of Alberta where he has taught courses in Energy Systems and directed an internationally recognized research program in real-time simulation of power systems. In 2020 he was elevated to IEEE Fellow for his contributions to real-time simulation of power systems with embedded power electronic converters. His pioneering and long-standing research contributions in massively parallel real-time electromagnetic transient and transient stability simulation of large-scale AC/DC systems with detailed equipment modeling are widely used in the industry and academia.

Prof. Dinavahi was the founding chair of the IEEE PES Task Force on Interfacing Techniques for Simulation Tools through which he disseminated expert knowledge worldwide. He also contributed significantly to other IEEE PES Working Groups notably within the General Systems Subcommittee, HVDC & FACTS Subcommittee, and Power Quality Subcommittee, all within the Transmission and Distribution Committee.

For years of valuable contributions to the electric power industry, he was given the 2018 Outstanding Engineer Award by the IEEE PES/IAS Northern Canada Chapter. Prof. Dinavahi is a dedicated mentor and teacher: over the last 20 years he has supervised 19 PhD, 40 Masters students and 22 visiting scholars.

Ladies and gentlemen, and Mr. President, please welcome Venkata Raman Dinavahi as a Fellow of the Engineering Institute of Canada.