

The Grid Resilience Student Group presents  
The IEEE PES President-Elect Candidate

# Dr. Claudio Canizares



## Abstract

### The Energy Transition in Canada and the Role of the IEEE and PES in the World's Decarbonization

This talk will provide an overview of Canadian provincial and remote community power grids, and a detailed discussion of Ontario's provincial grid, market, and future expansion plans, in the context of zero-emission power systems as the backbone of the energy transition. A critical overview of the decarbonization status and policies for energy systems in Canada will also be presented, focusing on zero emission power grid, EV, and Hydrogen plans and strategies to enable a Net-Zero 2050. Furthermore, the role that the IEEE and, especially, PES can play and is already playing in decarbonization efforts across the globe will be discussed, providing an overview of relevant initiatives led by the Institute and Society on this topic. Finally, concluding remarks will include a personal plea for a commitment to eliminating emissions in our daily energy use and to getting involved in relevant IEEE and PES decarbonization programs and initiatives.

## Biography

Dr. Claudio Cañizares is a University Professor, Hydro One Chair, and Executive Director of WISE at Waterloo, where he has been since 1993. His work on modeling, simulation, computation, stability, control, and optimization of power and energy systems is highly cited and recognized. He is the past IEEE Trans. Smart Grid EIC and an IEEE and PES Boards' Director, and is a Fellow of the IEEE, Royal Society of Canada, Canadian Academy of Engineering, and Chinese Society for Electrical Engineering. He has received the IEEE PES 2025 Ramakumar Family Renewable Energy Excellence and 2017 Outstanding Educator Awards, the 2016 IEEE Canada Electric Power Medal, and various other awards, recognitions, and leadership appointments from IEEE, PES, Waterloo, and Chinese universities.



**Friday, August 29th, 2025**



**12:00 – 1:00 PM (MST)**

**Register to attend [HERE!](#)**

