



Prof M E El-Hawary

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“Blackouts; their causes, and the role of the smart grid in their mitigation”

Experience with past blackouts throughout the world will be examined in support of possible conclusions.

Speaker Biography

Dr. El-Hawary is Associate Dean of Engineering and has been Professor of Electrical and Computer Engineering at Dalhousie University since 1981. He has a Bachelors degree in Electrical Engineering, Distinction from the University of Alexandria, Egypt, 1965, and a Ph.D. from University of Alberta, Edmonton, 1972, where he was a Killam Memorial Fellow.

He served on faculty, and was chair of the Electrical Engineering Department at Memorial University of Newfoundland for eight years. He was Associate Professor of Electrical Engineering at the Federal University of Rio de Janeiro for two years and was Instructor at the University of Alexandria. He pioneered many computational and artificial intelligence solutions to problems in economic/environmental operation of power systems. He has written ten textbooks and monographs, and 120+ refereed Journal articles. He has consulted and taught for 30+ years, is a Fellow of EIC and IEEE, and the Canadian Academy of Engineering (CAE).

At present, Dr. E-Hawary is Vice President Development and chair of the Development Committee of the IEEE Canadian Foundation. He is a past president of IEEE Canada, and a past Secretary of IEEE.