

Biography of
Mohamed E. El-Hawary, FIEEE, FEC, FCAE, FEIC

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Dr. El-Hawary is a Professor of Electrical and Computer Engineering at Dalhousie University in Halifax Nova Scotia Canada. He has a B.Sc. in Electrical Engineering, Distinction and First Class Honors, University of Alexandria, Egypt, 1965, and a Ph.D. in Electrical Engineering, University of Alberta, Edmonton, 1972, where he was an Izaak Walton Killam Memorial Fellow from 1970 to 1972. He was Associate Professor of Electrical Engineering at the Federal University of Rio de Janeiro for two years, and subsequently served for eight years on faculty at Memorial University of Newfoundland since 1974. He was appointed Chairman of Electrical Engineering Program in 1976. In 1981 he joined the Technical University of Nova Scotia (TUNS) as Professor of Electrical Engineering. In 1997, TUNS was amalgamated with Dalhousie University. Dr. El-Hawary has been Associate Dean of Engineering at Dalhousie between 1995 and 2007, Director of International and External Relations for the Faculty of Engineering 2008-2009, and Chair of the Senate of Dalhousie University 2001-2006.

Dr. El-Hawary's contributions to electrical engineering research, education, and the profession cover more than forty years of sustained work in research, education and service to the community. On the research side, Dr. El-Hawary pioneered in computational solutions for economic operation of power systems including hydro-thermal systems. His fundamental and pioneering work on economic operation of power systems, the application of computational intelligence techniques to power system operational problems is frequently referred to by the users community, and is documented in ten textbooks and research monographs and more than 300 research articles. More recently, he contributed to the solution of optimization problems and power quality issues and standards in electric power distribution systems. He supervised close to 50 Ph.D. and M. A. Sc. theses, and taught over 100 professional development offerings as well as Distinguished lectures in Canada, USA, Egypt, Jordan, United Arab Emirates, Panama, Peru, and Saudi Arabia. He was instrumental in developing curricula at MUN, TUNS and Dalhousie in the Electrical Engineering undergraduate programs. At Dalhousie, he has developed graduate courses in Artificial Intelligence Theory and its applications to electric power systems.

Dr. El-Hawary's Technical service to community is primarily through his involvement with the IEEE, IEEE Press, and the Power Engineering Society, and serves currently as a member of the 2009 Publications Services and Products Board, and as member of the IEEE Press Editorial Board and IEEE Press Power Engineering Series Editor. He served as Editor-in-Chief of IEEE Press in 2006-2007. He served as Secretary of IEEE and member of the ExCom (2004-2005), Director Region 7 (2002-2003,) and President of IEEE Canada and member of the Board of IEEE (2002-2005.)

He served as Chairman, IEEE Canada Recognition and Awards Committee IEEE Canada, (1994-1998), Chairman Recognition Working Group of the Power systems Engineering Committee, IEEE, and chair of IEEE Main prize Paper Awards Committee, and the Awards Board. He is a Member: IEEE Awards Board. He was Chair of Power Engineering Education Committee's Life Long Learning Subcommittee, and the Operating Economics Subcommittee in the Power Engineering Society. Dr. El-Hawary was president Canadian Society for Electrical Engineering and Vice-President of Engineering Institute of Canada (1986-88). He also served as Chairman, Engineering Education Committee, and Canadian Electrical Association, 1990-96.

He served as Secretary, Vice Chair and then Chair of the Power System Operations Committee of the Power Engineering Society. He was Chair of the Life Long Learning Committee and a member of the Awards Committees of PES. He promoted the introduction of new technologies to power system operations in many of his activities. He is Founding Editor, SMC Magazine, Power Letters, Power Engineering Society, is Associate Editor for the three major Electric Machines and Power Systems' Journals, and is Editor, Electrical Power Engineering, McGraw-Hill Encyclopedia of Science and Technology

Dr. El-Hawary served as Program Chair of 2008 IEEE Sections Congress, and General Chairman, 2007 IEEE Systems, Man, and Cybernetics Conference, and the 1984 IEEE International System Man and Cybernetics Conference, Halifax, Nova Scotia, Technical Program Chair: Canadian Conference on Electrical and Computer Engineering, 1994, Halifax Nova Scotia, and General Chair: Large Engineering Systems Conference on Power Engineering, 1998-2006. Dr. El-Hawary is author of over 140 referred Journal articles. He is a distinguished lecturer for the IEEE Industry Applications and Power Engineering Societies, and IEEE Canada.

Dr. El-Hawary is the 2010 recipient of the IEEE Canada Wally Read Service Award, 1999 recipient of the IEEE Power Engineering Educator Award, the IEEE Canada McNaughton Medal, IEEE Educational Activities Board Meritorious Achievement Award in Continuing Education, and the Millennium Medal. The Engineering Institute of Canada recognized Dr. El-Hawary's contributions by awarding him the Canadian Pacific Medal for 2000, and the Julian C. Smith Medal in 2001.

Dr. El-Hawary is a Fellow of the Canadian Academy of Engineering, the Institute of Electrical and Electronics Engineers, Engineers Canada, and the Engineering Institute of Canada. He has been a registered P. Eng. in the Association of professional Engineers of Newfoundland and Labrador since 1974, and in Nova Scotia since 1982, and is a member of the National Society of Professional Engineers.