Editorial

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Biographical notes: Ahmed Faheem Zobaa received the BSc (hons.), MSc and PhD degrees in Electrical Power and Machines from the Faculty of Engineering at Cairo University, Giza, Egypt, in 1992, 1997 and 2002. Currently, he is an Assistant Professor in the Department of Electrical Power and Machines, at Faculty of Engineering, Cairo University. He was an Instructor in the Department of Electrical Power and Machines, with the Faculty of Engineering at Cairo University from 1992 to 1997 and Teaching Assistant from 1997 to 2002. His areas of research include harmonics, compensation of reactive power, power quality, photovoltaics, wind energy, education and distance learning. He is Editorial Board member for *Electric Power Components and Systems Journal*, *International Journal of Emerging Electric Power Systems*, *International Journal of Computational Intelligence*, and *WSEAS Transactions on Power Systems*. He is Editor for *IEEE Power Engineering Letters* and *IEEE Transactions on Energy Conversion*. Also, he is Associate Editor for *IEEE Transactions on Industrial Electronics*, *Electrical Power Quality and Utilisation Journal*, *International Journal of Power and Energy Systems*, *International Journal on Modelling and Simulation*, *International Journal of Energy Technology and Policy*, and *Neurocomputing Journal*. Dr. Zobaa is member of the IEEE Power Engineering/Industry Applications/Industrial Electronics/Power Electronics Societies, Institution of Electrical Engineers, the International Association of Science and Technology for Development and the International Solar Energy Society.

Khaled Nigim, Associate Guest Editor of this special edition, is a registered Professional Engineer in Ontario, Canada, Senior Member of the IEEE, has PhD in Electrical Engineering from the University of Leicester, England UK, and BSc Electrical Engineering from Zagazig University of Cairo, Egypt. He is author of more than 30 technical journals, proceedings papers, trade magazines, and two book chapters in drives and urban energy management. He has taught numerous graduate, undergraduate courses and professional development seminars. He has more than 24 years of experience in project management, decision making, design and assembly of industrial units that incorporate PLCs, intelligent sensors, VSDs. He has extensive experience in wind energy

recovery systems and solar PV controllers and applications. He is currently the coordinator of the master of engineering professional development graduate programme offered online at the University of Waterloo, E&CE department.

A series of Special Sessions on *Renewable Energy and Distributed Generation Systems* at several recent conferences has been providing researchers with good opportunities to discuss important topics in the development, design, and implementation of renewable energy and distributed generation systems. Over the period of last three years, many interesting papers have been presented and we believe that at this point of time we should present the most important topics in this area to a broader audience.

The objective of the special issue is to provide a means for the publication and interchange of information, on an international basis, on all aspects of *Renewable Energy and Distributed Generation Systems*.