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Dr. Gabbar is the director of the Energy Safety and Control Lab (ESCL), The Faculty of Energy Systems and Nuclear Science, and cross appointed in the Faculty of Engineering and Applied Science, University of Ontario Institute of Technology (UOIT). He is also adjunct professor in McMaster University (2010~). Ph.D. (Safety Engineering), Okayama University (Japan), B.Sc. (Automatic Control), Alexandria University, Egypt. Specialized in safety and control engineering and their applications on smart grid, energy, power, and process systems. Tenured Associate Professor (2004~2008), the Division of Industrial Innovation Sciences at Okayama University, Japan. Research Associate (2001~2004) Tokyo Institute of Technology, Japan. Participated in national projects green energy and smart grid systems. Leading projects in risk-based smart grid design, protection, and control, and hybrid energy supply systems. He is a Senior Member of IEEE, the founder of SMC Chapter - Hiroshima Section, the founder and chair of the technical committee on Intelligent Green Production Systems (IGPS), and Editor-in-chief of International Journal of Process Systems Engineering (IJPSE), president of RAMS Society, and editorial board of the technical committee on System of Systems and Soft Computing (IEEE SMCS). He is founding general chair of IEEE Smart Grid Engineering Conference, invited speaker in several Universities and international events, and PC / chair / co-chair of several international conferences. Dr. Gabbar is the author of more than 160 publications, including books, book chapters, patent, and papers in the area of safety and control engineering for smart grid and hybrid green energy and production systems.