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<p>Sunday, 11 October 2015          Time: 10:20 – 11:20          Venue: 6-211, 6/F., Academic 3</p> <p><b>Resilient Interconnected Micro Energy Grids with Gas-Power and Renewable Technologies</b></p>  <p>Hossam A. Gabbar, PhD          Professor, Director of Energy Safety &amp; Control Lab          University of Ontario Institute of Technology,          Canada</p>	<p>Dr. Gabbar is Director of the Energy Safety and Control Lab (ESCL) and is a member of 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). His research interests include smart energy grid systems, intelligent safety and control systems. He is the author of more than 210 publications, including books, book chapters, patent, and papers in the area of smart energy grids, safety and control systems for hybrid green energy and production systems.</p> <p><i><b>Abstract:</b></i> The world is moving towards smart grid infrastructures and sustainable communities to enable efficient bidirectional energy supply with reduced carbon footprint in buildings, facilities, and transportation. Micro energy grids (MEGs) can provide sustainable energy supply for local electricity, thermal, and gas loads with grid connected and islanded modes will ensure energy supply and exchange among interconnected micro energy grids. Each MEG will include set of distributed energy resources (DERs) and smart controllers, which will provide resilient energy supply, based on available energy resources and technologies, and will allow scalable energy supply infrastructures</p>
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<p>Date: Sunday, 11 October 2015          Time: 11:20 – 12:20          Venue: 6-211, 6/F., Academic 3</p> <p><b>Cyber-Physical Cloud Systems</b></p>  <p>Huaglory Tianfield, PhD          Professor of Distributed Systems          Glasgow Caledonian University, UK</p>	<p>Huaglory Tianfield is the Director of Cloud &amp; Data Lab. His work explores the synergy of big data and cloud services as new paradigm of building complex distributed systems. His research interests also include cloud computing, Internet of Things, and wireless systems. He has held research/academic positions in China (1992–1997), Germany (1997–1998 and 1999–2000), France (1998–1999), and the U.K. (2000–2001). Since March 2001, he has been a Professor of distributed systems with Glasgow Caledonian University, Glasgow, U.K. He is the coauthor of over 150 research articles published in refereed journals and conferences.</p> <p><i><b>Abstract:</b></i> The talk will present a big data driven architecture to characterize cyber-physical cloud systems, then look at the cloud service provisioning, and finally illustrate by a data-driven precision medicine system.</p>
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