

Time	Tuesday, 22nd May	
8:00 - 10:00	Tutorial 1: Machine Learning for Data-Driven Smart Grid Applications Mr. Patrick GLAUNER, Dr. Jorge Augusto MEIRA, Dr. Radu STATE, University of Luxembourg (Location - MR308)	Tutorial 2: Energy Internet: Concepts and Key Technologies Prof. Yan Zhang, University of Oslo, Norway (Location - MR309)
10:00 - 10:30	Tea Break (Location - Nicoll 1)	
10:30 - 12:00	Tutorial 1: Detection of Irregular Power Usage using Machine Learning Mr. Patrick GLAUNER, Dr. Jorge Augusto MEIRA, Dr. Radu STATE, University of Luxembourg (Location - MR308)	Tutorial 2: Energy Internet: Concepts and Key Technologies Prof. Yan Zhang, University of Oslo, Norway (Location - MR309)
12:00 - 1:00	Lunch (Location Nicoll 1)	
1:00 - 3:00	Tutorial 3: Management of Wind Energy Systems Dr. Jens I. Madsen, Senior Specialist, Suzlon Blade Science Center, Denmark (Location - MR308)	Tutorial 4: The Reliability Evaluation of Smart Grid Prof. Chanan Singh, Texas A&M University, College Station, Texas, USA (Location - MR309)
3:00 - 3:30	Tea Break (Location - Nicoll 1)	
3:30 - 5:00	Tutorial 3: Management of Wind Energy Systems Dr. Jens I. Madsen, Senior Specialist, Suzlon Blade Science Center, Denmark (Location - MR308)	Tutorial 4: The Reliability Evaluation of Smart Grid Prof. Chanan Singh, Texas A&M University, College Station, Texas, USA (Location - MR309)
6:00 - 8:00	Welcome Reception (Location - Dallas Suntec)	

Time	Wednesday, 23rd May						
8:30 - 9:00	Opening Ceremony (Location - MR324-326)						
9:00 - 9:45	Keynote - Smart Buildings in a Smart City Connected Community by Prof. Saifur Rahman (Location - MR324-326)						
9:45 - 10:30	Keynote - Industry Trends and Innovations for the Grid of the Future by Dr. Damir Novosel (Location - MR324-326)						
10:30 - 11:00	Tea Break (Location - Nicoll 1)						
11:00 - 12:30	Industry Panel - Power System Operations and Renewable Energy Integration by Mr. Dean Sharafi (Location - MR325)						*Technical Session (TS01)
12:30 - 1:30	Lunch (Location - Nicoll 1)						
1:30 - 3:00	Industry Panel - Solar Forecasting and Grid Integration by Dr. Thomas Reindl (Location - MR325)			Mini-Symposium - Data-Analytics for Power System Operation, Control, and Enhanced Situational Awareness by Dr. Yan Xu and Prof. Stephen McArthur (Location - MR309)			*Technical Session (TS04)
3:00 - 3:30	Tea Break (Location - Nicoll 1)						
3:30 - 5:00	*Technical Session (TS02)	*Technical Session (TS03)	*Technical Session (TS05)	*Technical Session (TS06)	Mini-Symposium - Data-Analytics for Power System Operation, Control, and Enhanced Situational Awareness by Dr. Yan Xu and Prof. Stephen McArthur (Location - MR309)		*Technical Session (TS07)
6:00 - 9:00	Social Tour - Night Safari / Gardens by the Bay						
* Session Details							
Session No.	Session Title				Location	Chair	
TS01	Grid Operation and Management-I				MR308	Mr. Tan Teck Lee	
TS02	Management of Renewable and Distributed Energy Resources				MR308	Dr. Abhisek Ukil	
TS03	Energy Storage System and Electric Vehicle Technologies				MR310	Dr. Tek Tjing Lie	
TS04	Microgrids and Distributed Generation				MR308	Dr. Quan Hao	
TS05	Smart Distribution Systems: Technologies and Management				MR311	Dr. Anurag Sharma	
TS06	Renewable and Distributed Energy Resources, and their Integration				MR324	Dr. Gayadhar Panda	
TS07	Power Electronics, Control, and Protection Systems for Smart Grids				MR326	Dr. Zhaobin Du	

Time	Thursday, 24th May						
9:00 - 10:00	Keynote - Writing the Digital Future Together by Mr. Peter Nimmo (Location - MR324-326)						
10:00 - 10:30	Tea Break (Location - Nicoll 1)						
10:30 - 12:00	Industry Panel - A Balancing Act among Renewable Energy (RE), Electric Vehicle (EV) & Energy Storage (ES) by Dr. Nagaraja (Location - MR325)				*Special Session (SS02)	*Special Session (SS05)	
12:00 - 12:45	Poster Session, Chair - Dr. Naayagi Ramasamy (Location - Nicoll 1)						
12:45 - 1:30	Lunch (Location - Nicoll 1)						
1:30 - 3:00	*Technical Session (TS08)	*Technical Session (TS09)	*Technical Session (TS10)	*Technical Session (TS11)	*Special Session (SS04)	*Special Session (SS07)	*Special Session (SS08)
3:00 - 3:30	Tea Break (Location - Nicoll 1)						
3:30 - 5:00	Industry Panel - Large Scale Microgrids by Dr. Amit Gupta (Location - MR325)				*Special Session (SS06)	*Special Session (SS09)	
6:00 - 9:00	Conference Banquet (Location - Nicoll 2)						
* Session Details							
Session No.	Session Title				Location	Chair(s)	
TS08	Grid Operation and Management-II				MR324	Dr. Gayadhar Panda	
TS09	Electricity Markets, Innovative Business Mechanisms, Policy/Regulatory Aspect				MR325	Dr. Rahul Mehta	
TS10	Renewable Energy-based Microgrids and Sustainable Development				MR326	Dr. Pradeep Yemula	
TS11	Renewable Energy Sources and Technology				MR308	Dr. Kusum Verma	
SS02	Resilient Planning and Operation of Multiple Energy Systems				MR309	Dr. Fushuan Wen	
SS04	Artificial Intelligence Approaches for Smart Grid and Sustainable Energy Systems				MR309	Dr. Zhi-Le Yang, Dr. Tianyao Ji, Dr. Haiping Ma, Dr. Yuanjun Guo, Dr. Yimin	
SS05	Digital and Smart Substation Technology				MR310	Dr. Qi Huang, Dr. Zhenyuan Zhang, Dr. Weihao Hu, Dr. Jian Li	
SS06	Fast Active Power Injections to Improve System Frequency Response in Low Inertia Systems				MR308	Dr. Francisco Gonzalez	
SS07	Machine Learning Techniques for Smart Grids				MR310	Dr. Wai Lok Woo, Dr. Anurag Sharma, Dr. Thillainathan Logenthiran	
SS08	Real Time Monitoring of Power Systems in Smart Grids				MR311	Dr. Trapti Jain	
SS09	Smart Distribution System Operation and Management				MR309	Dr. Naran Pindoriya	

Time	Friday, 25th May					
9:00 - 10:00	Keynote - Smart Grid Innovations and their Applicability from the perspectives of a Utility Company in a Developing Economy by Dr. Chen Shiun (Location - MR324-326)					
10:00 - 10:30	Tea Break (Location - Nicoll 1)					
10:30 - 12:00	Industry Panel - Recent Developments in Grid-connected Renewable Energy & Energy Storage by Dr. Wong Wai Kin (Location - MR325)	*Technical Session (TS12)	*Special Session (SS10)			
12:00 - 12:45	Poster Session, Chair - Dr. Anupam Trivedi (Location - Nicoll 1)					
12:45 - 1:30	Lunch (Location - Nicoll 1)					
1:30 - 3:00	Mini-Symposium on Cyber Security by Dr. Daisuke Mashima and Dr. Binbin Chen (Location - MR325)	*Technical Session (TS13)	*Technical Session (TS14)	*Technical Session (TS15)	*Special Session (SS11)	*Special Session (SS13)
3:00 - 3:30	Tea Break (Location - Nicoll 1)					
3:30 - 5:00	Mini-Symposium on Cyber Security by Dr. Daisuke Mashima and Dr. Binbin Chen (Location - MR325)	*Young Professional Panel Session (YP) (Location - MR324)				
* Session Details						
Session No.	Session Title	Location	Chair			
TS12	Microgrids, Roles of Information and Communication Technologies (ICT) and Cyber Security	MR308	Dr. Biplab Sikdar			
TS13	Power System Monitoring, Control, and Protection	MR308	Dr. Chew Beng			
TS14	Optimization Methods Applied to Smart Grid	MR309	Dr. Ankush Sharma			
TS15	Demand Side Management	MR310	Dr. Huaizhi Wang, Dr. Saddam Aziz			
SS10	Smart Homes, Smart Buildings, and Smart Cities	MR309	Dr. Ankush Sharma			
SS11	Impacts of Renewable Energy and Distributed Generation	MR311	Dr. Thillainathan Logenthiran			
SS13	Emerging Techniques for Operation and Control of Renewable Energy Systems in Smart Grid	MR326	Dr. Zhao Xu			
YP	Young Professional Panel Session: "The Untold Secretes to Pursuing and Winning Research Funding: Leran from the Stories of the International Experts"	MR324	Dr. Piyush Verma			