Presentation Schedule for Day 2 Melbourne Function Centre Tuesday, November 21, 2017

Session 10: Wind Energy System

Time: 10:30- 12:30

Room: Melbourne Function Centre 1 Session Chair: A/Prof S. M. Muyeen

Time	Author(s)	Paper Title		
10:30-10:48	Sk. A. Shezan and Chow	Optimisation of Hybrid Wind-Diesel-Battery Energy System for		
	Yin Lai	Remote Areas of Malaysia		
10:49-11:06	Huajie Gu	Wake Effect in Wind Farm Dynamic Modelling		
11:07-11:24	Tapash Das and Jingxin	Mitigating the Impact of Voltage Sags and Swells on Type IV		
	Zhang	Wind Generator Systems		
11:25-11:42	Adarsh Kumar and Shawkat Ali	Prospects of Wind Energy Production in the Western Fiji- An Empirical Study Using Machine Learning Forecasting Algorithms		
11:43-12:00	Seyed Morteza Alizadeh, Cagil Ozansoy and Akhtar Kalam	I investigation into the impact of PCC Parameters on Voltage		
12:01-12:18	Sudarshan Dahal, Ralph Martin and Sumit Paudyal	Impact of Lightning Strikes on Substation Grounding Systems		

Session 11: Photovoltaic Energy System - 1

Time: 10:30- 12:30

Room: Tennis HQ Level 2 Room 2 Session Chair: Dr. Sarah Lyden

Time	Author(s)	Paper Title			
10:30-10:48	Umme Mumtahina and Peter	PV Module Integrated LLC Resonant Converter with an			
	Wolfs	Extended Input Voltage Range			
10:49-11:06	Md Mejbaul Haque, Peter	Dual Active Bridge and Matrix Converter Based Three-Port			
	Wolfs and Sanath Alahakoon	· ·			
11:07-11:24	Ahmad Zahedi	Large scale solar PV generation for Southeast Asian Countries			
11:25-11:42	Lei Liu, Mehdi Shafiei,				
	Gerard Ledwich, Wendy	Correlation Study of Residential Community Demand with			
	Miller and Ghavameddin	High PV Penetration			
	Nourbakhsh				
11:43-12:00	Zhenning Jiang, Georgios	Real-Time Digital Simulation based Laboratory Test-bench			
	Konstantinou, Zhaoyu Zhong	Development for Research and Education on Solar PV			
	and Pablo Acuna	Systems			
12:01-12:18	Joydip Jana, Konika Das	I trends and challenges of nevi generation grid connects			
	Bhattacharya and Hiranmay Saha	photovoltaic inverter – an overview			
12.10 12.26	72 11-11	•			
12:19- 12:36	Muslem Uddin, Galina	Recent Advances in Common Mode Voltage Mitigation			
	Mirzaeva and Graham	Techniques Based on MPC			
	Goodwin	=			

Session 12: Energy storage & Electric vehicle-3

Time: 10:30- 12:30

Room: Tennis HQ Level 2 Room 3 Session Chair: Dr GM Shafiullah

Time	Author(s)	Paper Title			
10:30-10:48	Ujjwal Datta, Akhtar Kalam	Battery Energy Storage System for Transient Frequency			
	and Juan Shi	Stability Enhancement of a Large-Scale Power System			
10:49-11:06	Rasoul Garmabdari, Mojtaba				
	Moghimi, Fuwen	Battery Energy Storage Capacity Optimisation for Grid-			
	Yang, Evan	Connected Microgrids with Distributed Generators			
	Gray and Junwei Lu				
11:07- 11:24	Piyali Ganguly, Akhtar	Design an Optimum Standalone Hybrid Renewable Energy			
	Kalam and Aladin Zayegh	System for a Small Town at Portland, Victoria using iHOGA			
11:25-11:42	Vanika Sharma, Mohammed	Optimal Battery Size for Grid Connected Rooftop Solar Pl			
	H. Haque and Syed Mahfuzul	1 1			
	Aziz	voltaic Systems in South Australia			
11:43-12:00	Milos Pantos, Shariq Riaz,	Capacity Firming of Intermittent Generation by Disperse			
	Archie Chapman and Gregor	Energy Storage			
	Verbic	Linergy Storage			
12:01-12:18	Ali Kharrazi, Victor Sreeram	Power Admission Control of Plug-in Electric Vehicles using			
	and Yateendra Msihra	Supervisory Control of Discrete Event System			
12:19:12:36	Nasif Mahmud, Ahmad	An event-triggered distributed coordinated voltage control			
	Zahedi and Md Shamiur	strategy for large grid-tied PV system with battery energy			
	Rahman	storage			

Session 13: Distributed Energy Resources

Time: 15:30- 18:00

Room: Tennis HQ Level 2 Room 1 Session Chair: A/Prof Jahangir Hossain

Time	Author(s)	Paper Title		
15:30-15:48	Laith M. Halabi, Saad Mekhilef, Mehdi Seyedmahmoudian and Ben Horan	Energy management for a gird connected hybrid renewab		
15:49-16:06	Nithya Saiprasad, Akhtar Kalam and Aladin Zayegh	Optimal Sizing of Renewable Energy System for a Universit in Australia		
16:07-16:24	Piyali Ganguly, Akhtar Kalam and Aladin Zayegh	Optimum standalone hybrid renewable energy system design using homer for a small community of Portland, Victoria		
16:25-16:42	Brendan Banfield, Philip Ciufo and Duane Robinson	The Technical and Economic Benefits of Utility Sponsored Renewable Energy Integration		
16:43-17:00	Sammy Aiau, Kandasamy Pirapaharan and Paul Hoole	Renewable Energy Resources Mapping in Papua New Guinea: Solar & Wind Power, Case Study in Markham Valley, Morobe Province, Papua New Guinea.		
17:01-17:18	Han Wang, Nicholas Good and Pierluigi Mancarella	Modelling and Valuing Multi-Energy Flexibility from Community Energy Systems		
17:19-17:36	Farhad Shahnia, Roberta Fornarelli, Martin Anda and Parisa A. Bahri	A Renewable Energy-driven Water Treatment System in		
17:37-17:54	Effat Jahan, Md. Rifat Hazari, S. M. Muyeen, Atsushi Umemura, Rion Takahashi and Junji Tamura	Coordinated Power System Frequency Regulation by PMSG-based Offshore Wind Farm		

Session 14: Photovoltaic Energy System - 2

Time: 15:30 -18:00

Room: Tennis HQ Level 2 Room 2

Session Chair: Prof Konika Das Bhattacharya and Dr Narottam Das

Time	Author(s)	Paper Title			
15:30-15:48	Berhane Gebreslassie, Akhtar Kalam and Aladin Zayegh	Energy saving, in Commercial Building by Improving Photovoltaic Cell Efficiency			
15:49-16:06	Babak Jeddi, Yateendra Mishra and Gerard Ledwich	Network Impact of Multiple HEMUs with PVs and BESS in a Low Voltage Distribution Feeder			
16:07-16:24	Ali Kharrazi, Victor Sreeram and Yateendra Mishra	Assessment of Voltage Unbalance Due to single phase Rooftop Photovoltaic Panels in Residential Low Voltage Distribution Network			
16:25-16:42	Sudipta Basu Pal, Rahul Kumar, Konika Das Bhattacharya and Dipankar Mukherjee	A Reliability Estimate for a Roof-Top PV during early monsoon in Eastern India			
16:43-17:00	Zhe Wang, Narottam Das, Andreas Helwig and Tony Ahfock	Modeling of Multi-Junction Solar Cells for Maximum Power Point Tracking to Improve the Conversion Efficiency			
17:01-17:18	Aamir Amir, Asim Amir, Jeyraj Selvaraj and Nasrudin Abd Rahim	DMPPT by Hybrid Techniques Based on Modified Classical Numerical Methods for Photovoltaic Systems			
17:19-17:36	Amit Dhoke and Adrian Mengede	Degradation Analysis of PV Modules Operating in Australian Environment			
17:37-17:54	SM Ferdous, GM Shafiullah, Mohammad Oninda, Md Asaduzzaman Shoeb and Taskin Jamal	Close Loop Compensation Technique for High Performance MPPT using Ripple Correlation Control			

Session 15: Power Electronics and Motor Drives

Time: 15:30 - 18:00

Room: Tennis HQ Level 2 Room 3 Session Chair: Prof Faz Rahman

Time	Author(s)	Paper Title		
15:30-15:48	Saad Ul Hasan, Yuba Raj	Simple Spread-Spectrum Pulse-Modulation Technique for		
	Kafle and Graham E. Town	EMI Mitigation in Power Converters		
15:49-16:06	Vladislav Kaliyev, Helwig	Axial Flux PM Coreless Stator Machine Development for		
	Andreas and Tony Ahfock	Low Speed Wind Generator		
16:07-16:24	C. A Teixeira, D. G Holmes, B. P. McGrath and R.H Wilkinson	A Hardware/Software Co-simulation Platform for Power Converter Firmware Design and Debugging		
16:25-16:42	A. A Nazib, D. G Holmes and	High Bandwidth Sensorless Synchronisation Strategies for		
	B.P Mcgrath	Current Regulated Grid Connected Converters		
16:43-17:00	K. S Islam, D Xiao and M. F	Simplified Model Predictive Control (MPC) with Extended		
	Rahman	Voltage Vectors for Grid Connected Converters		
17:01-17:18	Ilham Osman, D Xiao, M. F	A Two-Stage Optimal Vector Selection Method for		
	Rahman and Md Habibullah	Predictive Torque Control of a Three-level VSI driven		
		Induction Motor		
17:19-17:36	Jack Connor, Mehdi	Using PSO Optimize a PID for Altitude control on a		
	Seyedmahmoudian and Ben	Quadrotor Quadrotor		
	Horan			
17:37-17:54	Farhad Shahnia and Hadi	Enhancing the Learning Experience in the Power Electronic		
	Hosseinian Yengejeh	Unit by Different Tutorial Activities		