



Day 1 - 20th August

Presenter

Registration			8:00 – 9:00
Welcome and Keynote			9:00 – 10:30
Welcome & Conference Introduction			
Keynote Speaker	Violette Mouchaileh		AEMO
The Role of Distributed Resources in Transforming the Energy System and Market	Executive General Manager, Emerging Markets and Services,		
Opportunities from DER? How do we Create a Future where DER Benefits Customers and the Energy System?	Laura Jones		TasNetworks
Morning Tea 10:30 – 11:00			
Storage 11:00 – 11:20			
Western Power's Perenjori BESS - Functionality and Operational Experience	Nathan Kirby		Western Power
Voltage 11:20 – 12:40			
Understanding the Impact of Very High Penetrations of Rooftop PV on Power Transformer Tap-changers	Olav Krause		University of Queensland
Solving the Problem of Excessive Voltage Rises Caused by Rooftop Solar Using Voltage-regulating Distribution Transformers	Peter Kilby		Energy Queensland
Narara Ecovillage Case Study – Delivering 100% Solar Import and Export Capable, Zero Emissions Smartgrid	Toby Roxbury		Electromotiv
Dynamic Voltage Management System	Hedy Dalvand		United Energy
Lunch 12:40 – 13:40			
Inverters and System Performance 13:40 – 15:00			
Dynamics of Inverters with Synchronous Machines	Gerard Ledwich		Queensland University of Technology
Frequency Response Provision from Distributed PVs Considering the August 2018 Separation Events in Australia	Mehdi Ghazavi Dozein		University of Melbourne
Data-driven Insights into Distributed PV Behaviours - Balancing System Level and Distribution Needs	Naomi Stringer		University of NSW
Provision of Time Constrained Grid Services through Energy Constrained Distribution-Side Resources	Shariq Riaz		University of Melbourne
Afternoon Tea 15:00 – 15:30			
VPPs and Microgrids 15:30 – 16:10			
Carnarvon Microgrid Trial	David Stephens		Horizon Power
Techno-economic and Business Case Assessment of University of Melbourne Virtual Power Plant	Han Wang		University of Melbourne
NGN Panel Session 16:10 – 17:45			
Managing the Impact of DER on Grid Stability	Jacqui Mills (Moderator)		
Peter Kilby (Energy Queensland), Cheryl Noronha (AEMO), Sasan Zabihi (ABB), Glen Summers (AGL Energy), Olav Kraus (University of Queensland)			
Social Event / Drinks / Stand-up Networking Dinner In Exhibition Area 18:00 – 20:30			

Day 2 - 21st August

Presenter

		8:00 – 8:30
Registration		
Harmonics		8:30 – 9:30
Harmonic Emissions Studies of Large Renewable Energy Farms; Modelling and Data Management Learnings	Jason David	University of Wollongong
Harmonics Considerations when Connecting Power Electronics (PE) Interfaced Generation	Kevin Tu	WSP
Network and Generator Modelling for Harmonic Compliance	Marius Jensen	Optimised Network Equipment
STATCOMs and Synchronous Condensers		9:30 – 10:30
Sizing STATCOMs for Step Voltage Change Criteria	John Wright-Smith	AMSC
Performance Testing of LV STATCOMs	Jason David	University of Wollongong
Application of Modern Synchronous Condensers to Support Distributed Energy Resources	Derrick Nofal	ABB
Morning Tea		10:30 – 11:00
Keynote Speaker		11:00 – 12:00
DER in a Decarbonised, Decentralised and Democratised Grid	Lachlan Blackhall	ANU
DER Orchestration		12:00 – 12:40
Maximising Grid Utilisation through Constraint Based DER Orchestration	Olav Krause	University of Queensland
Quantifying the Effects of Electric Vehicles on the Tasmanian Low Voltage Network	Michael Jurasovic	TasNetworks
Lunch		12:40 – 13:40
Inverters		13:40 – 15:10
Grid-forming Converters and Benefits to the Grid - ABB's Experience	Stephen Sproul	ABB
From Inverter Standards to Understanding Inverter Behaviour for Small-scale Distributed Generation	Leonardo Callegaro	University of NSW
Power Quality Response Modes	Sanika Willard	CutlerMerz
Power Quality Response Modes - Panel Session	Jenny Gannon (Moderator)	
Afternoon Tea		15:10 - 15:40
Testing and Communications		15:40 – 16:40
Protection, Automation and Control with Distributed Energy Resources - Testing Issues	Maryam Khallaghi	OMICRON
Hardware-in-the-Loop Test for DERs: A Powerful Benchmarking Tool	Ke Meng	University of NSW
Insights into the DER API Working Group in Australia	Andrew McConnell	Energy Queensland
Conference Close		16:40 - 16:50

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