



CIDER 22



ASIA PACIFIC CONFERENCE ON INTEGRATION OF DISTRIBUTED ENERGY RESOURCES

Stamford Grand Adelaide, 2 Jetty Road, Glenelg, SA, 5045



DAY 1: TUESDAY 10TH MAY, 2022

9:00 - 9:10	CONFERENCE OPENING: Ray Brown, Chair CIGRE AUC6
9:10 - 10:10	KEYNOTE ADDRESS: ESCRI/Dalrymple grid-forming battery <i>Bruce Bennett, Manager Connection and Access, AGL</i>
10:10 - 10:20	PLATINUM SPONSOR PRESENTATION: <i>Schweitzer Engineering Laboratories</i>
10:20 - 10:50	MORNING TEA
10:50 - 12:10	DER ENABLEMENT SESSION CHAIR: ALEX BAITCH
	Enabling Commercial-Scale, Grid-Connected DER Solutions that Stabilise and Support Distribution Networks <i>Stace Tzamtzidis Planet Ark Power</i>
	Dynamic Hosting Capacity for a DER Friendly Electricity Distribution Network <i>Peter Wong, Eagles Engineering Consultants Pty Ltd</i>
	Enhanced flexibility on the LV networks: Enabling a successful DER integration into the LV networks <i>Yogendra Vashishtha, EA Technology</i>
	TasNetworks Future Distribution System Vision and Roadmap <i>David Butler, TasNetworks</i>
12:10 - 13:00	LUNCH
13:00 - 14:40	LEVERAGING DATA AND STATE ESTIMATION SESSION CHAIR: SEAN ELPHICK
	DER behaviour during major power system disturbances: Data driven analysis of real-world operation <i>Alexander Makarowsky, University of New South Wales</i>
	Leveraging data to improve network safety & customer satisfaction <i>Hugh Chan, GridSight</i>
	Successful Distribution State Estimator Deployment in Active Distribution Grids - SA Power Networks Challenges and Learnings <i>Steven Barone, SA Power Networks</i>
	LV Network Data is Supporting the Transition <i>Seamus Allan, Dynamic Ratings</i>
	Using data to become DOE-Ready & implement DOE in the field <i>Brendan Banfield, GridSight</i>
14:40 - 15:10	AFTERNOON TEA
15:10 - 15:50	ENERGY STORAGE AND ELECTRIC VEHICLES SESSION CHAIR: MIKE WISHART
	Making V2G work in the real world? <i>Laura Jones, The Australian National University</i>
	Techno-economic modelling for community batteries <i>Pierluigi Mancarella, The University of Melbourne</i>
15:50 - 16:10	RELAY TESTING
	Implications on relay commissioning and maintenance testing methodologies driven by the IEC 60255-181:2019 standard <i>Hao Zhang, Megger Australia</i>
16:10 - 17:40	CIGRE NEXT GENERATION NETWORK EMERGING LEADERS IN DER PANEL SESSION
	Chair: Adrian Lloyd; Panel Members: Kenneth Hee, Natasha D'Silva, Alan Luc, Laura Jones, Brendan Banfield. Theme: <i>How can the industry support uptake of renewables whilst managing consumer expectations?</i> Panel Members: TBC
18:00 - 20:30	NETWORKING DINNER and DRINKS

DAY 2: WEDNESDAY 11TH MAY 2022

8:30 - 9:30	KEYNOTE ADDRESS - South Australia - Creating the Clean Energy Future <i>Brendon Hampton, Manager Network Strategy, SA Power Networks</i>
9:30 - 9:50	CASE STUDY SESSION CHAIR: ALBERT PORS
	Operational Experiences from a 100% Solar Network <i>Cathryn McDonald, SA Power Networks</i>
9:50 - 10:30	POWER QUALITY
	Low voltage distribution network support using STATCOMs <i>Mike Wishart, Ecojoule Energy Pty Ltd</i>
	The Impact of Distributed Generation on Power Quality in Low Voltage Networks <i>Sean Elphick, Australian Power Quality & Reliability Centre, University of Wollongong</i>
10:30 - 11:00	MORNING TEA
11:00 - 12:20	DER ENABLEMENT AND CURTAILMENT SESSION CHAIR: KEN ASH
	Flexibility and Grid Services from Distributed Energy Resources <i>Shariq Riaz, The University of Melbourne</i>
	State of the art in Hosting Capacity Assessment and Enhancement <i>Jason David, Australian Power Quality and Reliability Centre, University of Wollongong</i>
	The Leading EDGE: Building Australia's Energy Demand and Generation Exchange <i>Pablo Campillos, Energy Web</i>
	Curtailement and network voltage analysis study [CANVAS] <i>Baran Yildiz, University of New South Wales</i>
12:20 - 13:10	LUNCH
13:10 - 14:50	POWER SYSTEM STRENGTH, SECURITY AND STABILITY SESSION CHAIR: WAI-KIN WONG
	A Review of Power System Strength Remediation and Augmentation for Integrating Distributed Energy Resources (DER) <i>Ahmad Tavakoli, Vysus Group</i>
	Decoupling System Strength Impact from Fault Current for Grid Forming Inverters <i>Anthony Morton, Vysus Group</i>
	On the V-Q response requirement from Asynchronous generators <i>Amin Mahdizadeh, Goldwind Australia</i>
	Impacts of Distributed PV on Under Frequency Load Shedding <i>Daena Ho, AEMO</i>
	System Strength in Distribution Grids: Concepts and Challenges <i>Mehdi Ghazavi Dozein, University of Melbourne</i>
14:50 - 15:20	AFTERNOON TEA
15:20 - 15:50	MICROGRIDS SESSION CHAIR: JENNY GANNON
	Microgrid Systems: Design, Control Functions, Modeling, and Field Experience <i>Daniel Rocco, Schweitzer Engineering Laboratories, Inc.</i>
	Yarrabah Microgrid Feasibility Study <i>Ken Ash, Ener-G Mgt Group</i>
15:50 - 16:30	PANEL SESSION - MICROGRIDS - HYPE, HOPE OR HERE TO STAY?
	Chair: Jenny Gannon(Energy Qld) Panel members: Ken Ash(Ener-G Mgt Grp); Nicholas Logan (ITP renewables), Nic Jacobsen (Enernet)
16:30 - 16:45	CONFERENCE CLOSE Ray Brown, Chair CIGRE AUC6

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