



## ASIA PACIFIC CONFERENCE ON INTEGRATION OF DISTRIBUTED ENERGY RESOURCES

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



### DAY 1: TUESDAY 10<sup>TH</sup> MAY, 2022

9:00 - 9:10	<b>CONFERENCE OPENING:</b> Ray Brown, Chair CIGRE AUC6
9:10 - 10:10	<b>KEYNOTE ADDRESS:</b> 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	<b>MORNING TEA</b>
10:50 - 12:10	<b>DER ENABLEMENT   SESSION CHAIR: ALEX BAITCH</b>
	Enabling Commercial-Scale, Grid-Connected DER Solutions that Stabilise and Support Distribution Networks <i>Stephen Robertson, 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	<b>LUNCH</b>
13:00 - 14:40	<b>LEVERAGING DATA AND STATE ESTIMATION   SESSION CHAIR: SEAN ELPHICK</b>
	DER behaviour during major power system disturbances: Data driven analysis of real-world operation <i>Alexander Makarowsky, University of New South Wales</i>
	Using data to become DOE-Ready & implement DOE in the field <i>Brendan Banfield, 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>
	Leveraging data to improve network safety & customer satisfaction <i>Hugh Chan, GridSight</i>
14:40 - 15:10	<b>AFTERNOON TEA</b>
15:10 - 15:50	<b>ENERGY STORAGE AND ELECTRIC VEHICLES   SESSION CHAIR: MIKE WISHART</b>
	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	<b>RELAY TESTING</b>
	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	<b>CIGRE NEXT GENERATION NETWORK EMERGING LEADERS IN DER PANEL SESSION</b>
	<b>Chair:</b> Adrian Lloyd <b>Theme:</b> <i>How can the industry support uptake of renewables whilst managing consumer expectations?</i> <b>Panel Members:</b> TBC
18:00 - 20:30	<b>NETWORKING DINNER and DRINKS</b>

## DAY 2: WEDNESDAY 11<sup>TH</sup> MAY 2022

<b>8:30 - 9:30</b>	<b>KEYNOTE ADDRESS</b> - South Australia - The Heart of the Distributed Energy Future <i>Brendon Hampton, Manager Network Strategy, SA Power Networks</i>
<b>9:30 - 9:50</b>	<b>CASE STUDY   SESSION CHAIR: ALBERT PORS</b> Operational Experiences from a 100% Solar Network <i>Cathryn McDonald, SA Power Networks</i>
<b>9:50 - 10:30</b>	<b>POWER QUALITY</b> 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 &amp; Reliability Centre, University of Wollongong</i>
<b>10:30 - 11:00</b>	<b>MORNING TEA</b>
<b>11:00 - 12:20</b>	<b>DER ENABLEMENT AND CURTAILMENT   SESSION CHAIR: KEN ASH</b> 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> Curtailment and network voltage analysis study [CANVAS] <i>Baran Yildiz, University of New South Wales</i>
<b>12:20 - 13:10</b>	<b>LUNCH</b>
<b>13:10 - 14:50</b>	<b>POWER SYSTEM STRENGTH, SECURITY AND STABILITY   SESSION CHAIR: WAI-KIN WONG</b> 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>
<b>14:50 - 15:20</b>	<b>AFTERNOON TEA</b>
<b>15:20 - 15:50</b>	<b>MICROGRIDS   SESSION CHAIR: JENNY GANNON</b> Microgrid Systems: Design, Control Functions, Modeling, and Field Experience <i>Kelli Phillips, Schweitzer Engineering Laboratories, Inc.</i> Yarrabah Microgrid Feasibility Study <i>Ken Ash, Ener-G Mgt Group</i>
<b>15:50 - 16:30</b>	<b>PANEL SESSION - MICROGRIDS - HYPE, HOPE OR HERE TO STAY?</b> <b>Chair:</b> Jenny Gannon <b>Panel members</b>
<b>16:30 - 16:45</b>	<b>CONFERENCE CLOSE</b> Ray Brown, Chair Cigre AUC6

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