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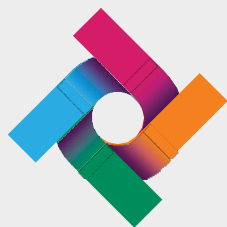
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ASIA PACIFIC CONFERENCE ON INTEGRATION OF DISTRIBUTED ENERGY RESOURCES

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



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DAY 1: TUESDAY 10TH MAY, 2022

9:00 - 9:10	CONFERENCE OPENING: Ray Brown, Chair CIGRE AUC6 : Terry Killen, CEO CIGRE Australia
9:10 - 10:10	1 KEYNOTE ADDRESS: ESCRI/Dalrymple grid-forming battery <i>Bruce Bennett, Manager Connection and Access, AGL</i>
10:10 - 10:20	2 PLATINUM SPONSOR PRESENTATION: <i>Schweitzer Engineering Laboratories</i>
10:20 - 10:50	MORNING TEA

10:50 - 12:10	DER ENABLEMENT SESSION CHAIR: ALEX BAITCH
3	Enabling Commercial-Scale, Grid-Connected DER Solutions that Stabilise and Support Distribution Networks <i>Stace Tzamtzidis Planet Ark Power</i>
4	Dynamic Hosting Capacity for a DER Friendly Electricity Distribution Network <i>Peter Wong, Eagles Engineering Consultants Pty Ltd</i>
5	Enhanced flexibility on the LV networks: Enabling a successful DER integration into the LV networks <i>Yogendra Vashishtha, EA Technology</i>
6	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
7	DER behaviour during major power system disturbances: Data driven analysis of real-world operation <i>Alexander Makarowsky, University of New South Wales</i>
8	Leveraging data to improve network safety & customer satisfaction <i>Hugh Chan, GridSight</i>
9	Successful Distribution State Estimator Deployment in Active Distribution Grids - SA Power Networks Challenges and Learnings <i>Vlora Dzeladini SA Power Networks</i>
10	LV Network Data is Supporting the Transition <i>Seamus Allan, Dynamic Ratings</i>
11	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
12	Making V2G work in the real world? <i>Laura Jones, The Australian National University</i>
13	Techno-economic modelling for community batteries <i>Pierluigi Mancarella, The University of Melbourne</i>
15:50 - 16:10	RELAY TESTING
14	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
15	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>

18:00 - 20:30	NETWORKING DINNER and DRINKS
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DAY 2: WEDNESDAY 11TH MAY 2022

8:30 - 9:30 16 **KEYNOTE ADDRESS - South Australia - Creating the Clean Energy Future**
 Brendan Hampton, Manager Network Strategy, SA Power Networks

9:30 – 9:50 **CASE STUDY | SESSION CHAIR: ALBERT PORS**

17 Operational Experiences from a 100% Solar Network
Cathryn McDonald, SA Power Networks

9:50 – 10:30 **POWER QUALITY**

18 Low voltage distribution network support using STATCOMs
Mike Wishart, Ecojoule Energy Pty Ltd

19 The Impact of Distributed Generation on Power Quality in Low Voltage Networks
Sean Elphick, Australian Power Quality & Reliability Centre, University of Wollongong

10:30 – 11:00 **MORNING TEA**

11:00 – 12:20 **DER ENABLEMENT AND CURTAILMENT | SESSION CHAIR: KEN ASH**

20 Flexibility and Grid Services from Distributed Energy Resources
Shariq Riaz, The University of Melbourne

21 State of the art in Hosting Capacity Assessment and Enhancement
Jason David, Australian Power Quality and Reliability Centre, University of Wollongong

22 The Leading EDGE: Building Australia's Energy Demand and Generation Exchange
Pablo Campillos, Energy Web

23 Curtailment and network voltage analysis study (CANVAS)
Baran Yildiz, University of New South Wales

12:20 - 13:10 **LUNCH**

13:10 – 14:50 **POWER SYSTEM STRENGTH, SECURITY AND STABILITY | SESSION CHAIR: WAI-KIN WONG**

24 A Review of Power System Strength Remediation and Augmentation for Integrating Distributed Energy Resources (DER)
Ahmad Tavakoli, Vysus Group

25 Decoupling System Strength Impact from Fault Current for Grid Forming Inverters
Anthony Morton, Vysus Group

26 On the V-Q response requirement from Asynchronous generators
Amin Mahdizadeh, Goldwind Australia

27 Impacts of Distributed PV on Under Frequency Load Shedding
Daena Ho, AEMO

28 System Strength in Distribution Grids: Concepts and Challenges
Mehdi Ghazavi Dozein, University of Melbourne

14:50 - 15:20 **AFTERNOON TEA**

15:20 – 15:50 **MICROGRIDS | SESSION CHAIR: JENNY GANNON**

29 Microgrid Systems: Design, Control Functions, Modeling, and Field Experience
Daniel Rocco, Schweitzer Engineering Laboratories, Inc.

30 Yarrabah Microgrid Feasibility Study
Ken Ash, Ener-G Mgt Group

15:50 – 16:30 **PANEL SESSION - MICROGRIDS - HYPE, HOPE OR HERE TO STAY?**

31 **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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