EECON2026

NOVEMBER 10 - 11

Royal International Convention Centre, Brisbane

ENERGY UNPLUGGED

DATA, DECARBONISATION AND DECENTRALISATION



DAY 1: TUESDAY 10th NOVEMBER

TIME	EVENT			
7:30 AM - 8:30 AM	**CONFERENCE REGISTRATION**			
8:30 AM	**WELCOME TO EECON 2026 AND CONFERENCE PLENARY** Laurie Curro, *EESA National President* **Platinum Sponsor – Siemens** Marcus Leaver, *EESA QLD Chapter Chair*			
9:05 AM - 9:50 AM	**Keynote Speaker**	**Suzanne Shipp** - *Chief Engineer - Energy QLD*		
9:50 AM - 10:20 AM	**MORNING TEA**			
10:20 AM - 11:45 AM	**PANEL 1: HARNESSING AI INNOVATION WHILE MANAGING CYBER RISK** Victor Tan - *CIGRE Study Committee D2 Chair* Emma Rogers - *GM Strategic Network Operations - Powerlink QLD* Suzanne Shipp - *Chief Engineer - Energy QLD* Liz Douglass - *Partner, Cyber - Deloitte* Devon Whittle - *Australia Director - Global Shield Australia*			
11:45 AM - 12:45 PM	**LUNCH**			
	HALL B		**MEETING ROOMS 1, 2 & 3**	
12:45 PM - 12:50 PM	**Sponsor Session - *SIEMENS***		**Sponsor Session - *CENTURY YUASA***	
12:50 PM - 2:35 PM	**PROTECTION & AUTOMATION**		**NETWORK TRANSFORMATION**	
	TITLE	**PRESENTER**	**TITLE**	**PRESENTER**
	Diagnosing CT Polarity Issues in Restricted Earth Fault Protection: A Field Case Study	Aditya Parhad *Schweitzer Engineering Laboratories (SEL)*	Voltage Regulation on Long LV Feeders using VRDT	Peter Kilby, Gabriel Bohnen *Energex/Ergon Network*
	Agile Controller Optimisation and Tuning of PSCAD Models using MATLAB/Simulink	Mohammad Habibullah *Yurika*	Assessing LV Planning Strategies for Australia's CER-Rich Future	Rodrigo Zuniga Gajardo *University of Melbourne*
	Earthing beyond boundaries: Busbar Earthing Design Philosophy for MV Switchboards	Vijyant Mahajan, Arash Bastani *Rio Tinto*	Developing the Sydney Ring South Project: A journey from identified need to actionable project	Christiaan Swanepoel *Transgrid*
	Unplugging the Connection Bottleneck: A Whole-of-Lifecycle Approach to Faster, Lower-Risk Generator and Data-Centre Connections in the NEM	Dr Tuan Vu *VVC Power Systems Consultants*	Advanced Metering Infrastructure Deployment in Sri Lanka: Technical Challenges, Integration Experience and Lessons Learned	Dinesh K. Dissanayaka DM *Energy QLD, formerly Ceylon Electricity Board, Sri Lanka*
2:35 PM - 3:05 PM	**AFTERNOON TEA**			
3:05 PM - 3:10 PM	**Sponsor Session - *BENTLEY***		**Sponsor Session**	
3:10 PM - 4:55 PM	**NEW ENERGY GENERATION SOURCES, STORAGE & FIRMING**		**DER, MICROGRIDS & VPPS**	
	TITLE	**PRESENTER**	**TITLE**	**PRESENTER**
	The changing face of power generation	Cameron P Sharp, Adrian Constable *Caterpillar*	Real Time Simulation and Hardware in the Loop Testing of Dynamic Connections and VPPs	Mitchell Tap *Energy QLD*
	From battery-ready to hybrid by design: Why the connection queue is shifting	Steve Wilson *Aurecon*	Beyond conductor and transformer sizing: Cost-Effective Greenfield LV Network Design for Full CER Adoption	Rodrigo Zuniga Gajardo *University of Melbourne*
	Regenerated transformer oil serving decarbonisation - a case study	Philippe Reboul *REDOX - Molekulis*	An empirical NEM consumer flexibility bid curve: lessons from the SA 25 December 2025 minimum demand event	Mark Purcell AM *Purcell id.au P/L*
	Distribution-Connected STATCOMs: Grid Support, Phase Balance, and Volt-VAR Control in Practice	Martin van der Linde *EcoJoule Energy*	Enabling Better Grid Management with Smart Meter Data	Ching Hong Tam *UTS*
5:00 PM - 6:00 PM	**NETWORKING DRINKS**			
6:00 PM - 9:30 PM	**CONFERENCE DINNER - Sponsored by *TYREE TRANSFORMERS***			

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DAY 2: WEDNESDAY 11th NOVEMBER

TIME	EVENT			
8:00 AM - 8:30 AM	**CONFERENCE REGISTRATION**			
8:30 AM - 9:50 AM	**WELCOME AND CONFERENCE PLENARY** **PANEL 2: THE FUTURE ENERGY MIX: BASELOAD, RENEWABLES AND BEYOND** Ben Beattie - *Electrical Engineer - Commentator* Jonathan Fisher - *CEO - Cauldron Energy* Jake Rowe - *Technical Director - Energy and Resources - Arcadis* Glenn Springall - *General Manager - Engineering Connections - Energy QLD* Deepak Sambhi - *Partner - KPMG*			
9:50 AM - 10:20 AM	**MORNING TEA**			
10:20 AM - 12:05 PM	**HALL B**		**MEETING ROOMS 1, 2 & 3**	
	SYSTEM STRENGTH, STABILITY & OPERATIONS		**SYSTEM STRENGTH, STABILITY & OPERATIONS AND THE "UNPLUGGED" CUSTOMER**	
	TITLE	**PRESENTER**	**TITLE**	**PRESENTER**
	Detecting Sub-Synchronous Oscillations in the Transgrid Network: Event Insights and IBR Contribution Analysis	Gihan D Vitharanage *Transgrid*	Verification of frequency response of instrument transformers in the application of power quality measurement	Tibor Congo *Omicron*
	A new approach to defining the operational objectives for system restart to support re-energisation of a power system dominated by inverter based renewable generation	Neythirun Sivanesan, Ben Hiron *AEMC*	From Parts to Patterns: Systems Thinking for Secure Grid Operations	Alexandra Price *Powerlink QLD*
	Fault Ride-through Operation and Active Power Recovery of Data Centres	Mehdi Ghazavi Dozen *Monash University*	Emerging QLD customer behaviours in the wake of cheaper home batteries	Emma Dyson *Energy QLD*
	Disturbance ride-through standards for data centres in the NEM	Annabelle Evans, Tiffany O'Keefe *AEMC*	Planning for Uncertainty: Storage and Firming Needs in a Highly Stochastic NEM	Joshua Boegheim *Powerlink QLD*
12:05 PM - 1:00 PM	**LUNCH**			
1:00 PM - 2:45 PM	**PROTECTION & AUTOMATION**		**ASSET MANAGEMENT & HV ENGINEERING IN A DYNAMIC NETWORK**	
	TITLE	**PRESENTER**	**TITLE**	**PRESENTER**
	Advancing Power System Decarbonisation and Digital Substations Through Large-Scale BESS Integration and IEC 61850 Technologies	Ying Yan *Transgrid*	Early Detection of Partial Discharge in a 40 MVA Substation Transformer: Asset Management Implications of Continuous Intelligent Monitoring	Michael Rushmer *Flexity*
	LPITs and the Digitisation of Electric Power Distribution	Vinny VM Moreira *Siemens*	Reverse Engineering and Rewinding of 9375 KVA, 11 kV GYPI Stator to Resin-Rich Insulation: Challenges, Testing, and Reliability Considerations	Vikas Mr Bhandari *Machinemonitor*
	Simulation Based Testing of Protection Systems with Inverter Based Sourcek	Tibor Congo *Omicron*	Quantifying the Impact of Harmonics on Transformer Ageing Using Continuous Hot-Spot Temperature Monitoring: An Ongoing Utility Field Study!	Jonas Lindholm *Kinghill SIPP*
	Modernizing Today's Grid for Tomorrow's Needs	Yane Coceski *NovaTech Automation*	Data-Driven Transformer Online Monitoring for Decarbonised and Decentralised Power Systems	Bhaba Das *Dynamic Ratings*
2:45 PM - 3:15 PM	**AFTERNOON TEA**			
3:15 PM - 4:35 PM	**DIGITAL SUBSTATIONS, ANALYTICS, AI & CYBER SECURITY**		**DIGITAL SUBSTATIONS, ANALYTICS, AI & CYBER SECURITY**	
	TITLE	**PRESENTER**	**TITLE**	**PRESENTER**
	Bringing Visibility to High-Solar Networks: PV Forecasting and Bidirectional Power Flow Detection	Wei Jian Chan, Emma Studerus *Energex/Ergon Energy*	Agentic AI Assisted Cable Modelling for Accurate IEC 60287 Ampacity Calculations	Jayson Patrick *ELEK Software*
	From Detection to Deterministic Response in IEC 61850 Substation Networks	Amro Mohamed *Omicron*	From Voltage Profiles to Phase Reallocation: Leveraging Smart Meter Analytics to Improve Transformer Balancing	Claire Carpenter *Energy QLD*
	Enabling Power Grid Transformation - Alleviating Ownership Cost, Loading and Harmonic Issues	Kin Yu Lam *Cargill Asia Pacific*	Not Your Father's Peak Demand: Forecasting in the Sunshine State	Chris McKeague *Energy QLD*
4:35 PM - 5:05 PM	**CLOSING PLENARY: AWARDS AND CONFERENCE CLOSE**			