



Shaping the Power Systems of Tomorrow



			DAY 1 - Wednesday 3 September 2025			
Time Slot	ession Number	Session Title	Timing	Presentation	Presenter	Company
9:00 - 10:30	1	Transmission System Protection	9:00 - 9:15	Opening Remarks	Rob Coggan	B5 Panel Convenor, CIGRE Australia
			9:15 - 9:30	Functional security of transmission line protection – what it is and why we need it	Dr Alexander Apostolov	OMICRON electronics
			9:30 - 9:45	Using GOOSE to achieve fast fault clearance	Lara Kruk	Jacobs
			9:45 - 10:00	Protection of Phase-Shifting Transformer for Transgrid EnergyConnect Project—Concept and Application Considerations	Michael Thompson	Schweitzer Engineering Laboratories, Inc.
			10:00 - 10:15	Impact of Mutual Coupling on Ground Distance Protection: A Case Study on Zone 1 Overreach and Mitigation Strategies	Parsa Zakeri	Transpower
			10:15 - 10:30	Q&A		
10:30 - 11:00	Morning Tea					
11:00-12:30	2	Virtualisation and Interoperability	11:00 - 11:15	The evolution of process interfaces in digital substations	Dr Alexander Apostolov	OMICRON electronics
			11:15 - 11:30	Advancing Digital Substations through Virtual Protection, Control and Automation (VPAC)	Orhan Yilmaz	ABB
			11:30 - 11:45	Virtualized Line Differential Protection: Unleashing the Power of Routable-sampled values communication, a redundant and low latency approach over Fiber optic & 5G	Marco Nunes	ABB Switzerland
			11:45 - 12:00	Edge Controlled Dynamic System Rating	Oleg Bagleybter	GE Vernova
			12:00 -12:15	Online Sub-synchronous Resonance Assessment – A Predictive Protection Strategy for Reliable Operation in Digitalized Power Grids	Thai Anh Tran	AusRE Solutions Pty. Ltd
			12:21 - 12:30	Q&A		
12:30 - 13:30	Lunch					
13:30 - 15:00	3	Distribution Feeder Protection and Monitoring	13:30 - 13:45	Feeder Automation in High DER Distribution Network	Lu Hii	SA Power Networks
			13:45 - 14:00	Enhancing Electrical Safety and Reliability of Protection with Novel Touch Voltage-Based Earth-Fault Current Protection	Anisur Rahman	ABB
			14:00 - 14:15	Modelling and Detection of High Resistance Joints	Michael Stanbury	Ausgrid
			14:15 - 14:30	Broken Conductor Detection in Overhead MV Distribution Network Using Synchrophasors	Jacob Rumery	University of Queensland
			14:30 - 14:45	Grid-Forming BESS in Isolated Microgrids: Challenges and Risks of Inadvertent Out-of-Phase Synchronisation	Dr Javid Maleki	APD Global
			14:45 - 15:00	Q&A		
15:00 - 15:30	Afternoon Tea					
15:30 - 17:00	4	Large Network Protections	15:30 - 15:45	Fast fault detection for Sub-Synchronous Resonance (SSR) algorithm using advanced signal processing techniques	Sebastian Schneider	Siemens
			15:45 - 16:00	Power swing blocking and out of step investigation on a 275 kV line	Leonardo Torelli	CSE Uniserve
			16:00 - 16:15	Adaptive Power-Swing Detection to Meet Grid Requirements	Sam Keeling	Siemens
			16:15 - 16:30	New Zealand UFLS Transition	Connor McCarthy	Transpower
			16:30 - 16:45	Implementation of a Blackstart Cranking path Sequence through PMU	Oleg Bagleybter	GE Vernova
			16:45 - 17:00	Q&A		

			DAY 2 - Thursday 4 September 2025			
Time Slot	Session Number	Session Title	Timing	Presentation	Presenter	Company
9:00 - 10:30	5	Fleets and Big Data	9:00 - 9:15	Opening Remarks	Rob Coggan	B5 Panel Convenor, CIGRE Australia
			9:15 - 9:30	Analysis of circuit breaker operation on Queensland's distribution network	Grace Heron	Energy Queensland
			9:30 - 9:45	Applying Best Telco Practices in Managing Large Fleets of Wireless Gateways as Part of Power Grid Automation Solutions	Rukshan Jayasekera	Hitachi Energy
			9:45 - 10:00	Using Engineering Access Roles and Credential Management to Secure Critical Infrastructure	David Preswich	Schweitzer Engineering Laboratories, Inc.
			10:00 - 10:15	Network Wide IED Data Collection System	Ajith Ranaweera	ElectraNet
			10:15 - 10:30	Q&A		
10:30 - 11:00	Morning Tea					
11:00 - 12:30	6	Measurements for Protection, Monitoring and Metering	11:00 - 11:15	CT considerations for SV Busbar schemes	Ian Young	Schneider Electric
			11:15 - 11:30	Case study of field testing of relay protection in LPIT environment	Mauro Borrielli	Megger
			11:30 - 11:45	LPITs and the Digitisation of Electric Power Distribution	Vinny Moreira	Siemens
			11:45 - 12:00	MurrayLink Runback Scheme & Sever Scheme- Enhancing network security and power flow	Lingyu Yu	ElectraNet
			12:00 - 12:15	PMU Applications for Enhanced Asset Condition Monitoring	Haoyu Liu	University of Queensland
			12:15 - 12:30	Q&A		
12:20 - 13:30	Lunch					
13:30 - 15:00	7	Testing, Commissioning, and Operations	13:30 - 13:45	Cloud-based End-to-End testing of Line Differential Protection increase test efficiency	Dhanabal Mani	Megger
			13:45 - 14:00	Digital Twin Technology for Relay Test and Commissioning	Sam Keeling	Siemens
			14:00 - 14:15	Advancements in Testing of Electrical Protection Assets in Distributed Energy Resources	Dr Ahmed El-Rasheed	Megger
			14:15 - 14:30	When 30 Degrees Causes a Trip: Resolving Transformer Differential Misoperation	Matthew Lee	APD Global
			14:30 - 14:45	Protection Philosophy Applied for Network Recovery After a Major System Event, a Cyclone Gabrielle Case Study	Dr Martin Slabbert	Transpower NZ Ltd
			14:45 - 15:00	Q&A		
15:00 - 15:30	Afternoon Tea					
15:30 - 17:00	8	Challenging Protection Applications	15:30 - 15:45	DC Arc Flash in a Changing Grid: Managing Risk in the Absence of Standards	Matthew Lee	APD Global
			15:45 - 16:00	Sensitive Turn-to-turn Fault Protection for Power Transformers Using Incremental Negative-Sequence Differential and Advanced Stabilising Criteria	Sebastian Schneider	Siemens
			16:00 - 16:15	Relay Settings Challenges for Wind Farms Collector Feeder Directional Overcurrent Elements	Mehrdad Parsaei	GHD
			16:15 - 16:30	Ferroresonance on an MV System Due to Interaction Between Fuses, Cable and a Lightly Loaded MV/LV Transformer	Madeleine Sarah Way Piercy	ElectraNet
			16:30 - 16:45	Q&A		
			16:45 - 17:00	Closing Remarks	Rob Coggan	B5 Panel Convenor, CIGRE Australia

Note: Program subject to change. Final program will be published in conference app prior to the conference commencement