



2026 AGENDA

DAY ONE | Tuesday, August 4

Time	Session	Presenter(s)
0815 – 0850	<i>Doors open & registration</i>	
0850 – 0900	Welcome Address	Tibor Congo OMICRON
	Session 1: MODERN GRID CHALLENGES	
0900 – 0930	RAS & Centralised Protection Schemes to Address the Protection Needs of Inverter-Based Grids	Carolina Korez Siemens & Peter Mangan Applied Power Technologies
0930 – 1000	Evaluation of Power System Protection under Inverter-based Infeeds Using a System-based Protection Testing Solution	Michal Wiecha OMICRON
1000 - 1030	IBR Collector Feeder Protection Challenges & Solutions	Maja Knezev DEL Engineering
1030 – 1100	<i>Morning tea in expo hall</i>	
	Session 2: INNOVATION & ADVANCEMENT	
1100 – 1130	Innovative Design & Practical Experience for Integrating a Large BESS into the 330 kV Power Grid	Dr Ying Yan Transgrid
1130 – 1200	Operation Limitations of a RoCoF Protection in Large-Scale BESS through RMS/EMT Simulations & Practical Studies	Dowon Kim DigSILENT
1200 - 1230	Protection Challenges of a Distribution Microgrid with BESS: Lessons from the Bawley Point Microgrid	Tarik Hussein Endeavour Energy
1230 – 1330	<i>Networking lunch in expo hall</i>	
	Session 3: DIGITAL SUBSTATIONS	
1330 – 1400	Digital Substation Implementation – A Victorian Utility’s Experience	David Mueller & Derek Jayasuriya AusNet Services
1400 - 1430	A New Approach for OT Cybersecurity by Managing Authorization of Communications	Andrew West IEEE
1430 – 1500	<i>Afternoon tea in expo hall</i>	
	Session 4: CYBERSECURITY	
1500 – 1530	Deterministic OT Cybersecurity for IEC 61850 Substations: From Protocol Monitoring to Controlled Network Enforcement	Amro Mohamed OMICRON
1530 – 1600	Beyond the Threats: Implementing Effective Cybersecurity in Operational Environments	Johan Pensar & Harlem Tsai ABB
1600 - 1700	PANEL: Substation Cybersecurity	Moderator: Tibor Congo OMICRON Panellists: Andrew West (IEEE), Amro Mohamed (OMICRON), Sameep Chhetri (Western Power), Satendra Bhola (TasNetworks), Ian Young (Schneider Electric)
1730 - 2000	<i>Networking Reception</i>	



2026 AGENDA

DAY TWO | Wednesday, August 5

Time	Session	Presenter(s)
0800 – 0830	<i>Coffee & breakfast bites</i>	
	Session 1: MODERN GRID CHALLENGES	
0830 – 0900	Closed Loop Testing of Transmission Line Protection in IBR Dominated Power Systems	Cip Hosu Western Power & Ronald Jogaib Schweitzer Engineering Laboratories
0900 – 0930	Integrating Renewables into a Diesel Microgrid: A Live Protection Upgrade	Alex Pointon Noble Power Solutions
0930 – 1000	Standards-Based Line Differential Protection	Ian Young Schneider Electric
1000 – 1030	<i>Morning tea in expo hall</i>	
	Session 2: INNOVATION & ADVANCEMENT	
1030 – 1100	Centralised Line Differential Protection Using Inter-Substation Process Bus	Philipp Stachel Siemens
1100 – 1130	Third Generation Fibre Optic Current Transformers	John Haywood H Nu
1130 – 1200	The Practical Aspects and Commissioning of Transformer PoW Closing with Residual Flux Compensation	Sam Keeling Siemens
1200 – 1300	<i>Networking lunch in expo hall</i>	
	Session 3: PRACTICAL EXPERIENCES	
1300 – 1330	Engineering Out the Flash: Real-World Arc Flash Mitigation in a Live BESS Environment	Rupesh Nijhawan & Aaron Knight Rio Tinto
1330 – 1400	Accidental Energisation of Generator	Satendra Bhola TasNetworks & Matthew Weeding Hydro Tasmania
1400 – 1430	The Use of AI in Secondary Systems Engineering: Practical Uses, Limits & Career Implications	Michael Stanbury Ausgrid
1430 – 1500	Diagnosing CT Polarity Issues in Transformer Earth Fault Protection	Aditya Parhad Schweitzer Engineering Laboratories
1500 – 1510	Closing Remarks	Tibor Congo OMICRON
1510 – 1600	<i>Refreshments in expo hall</i>	
1600	<i>Event Concludes</i>	



OMICRON WORKSHOP AGENDA

OMICRON WORKSHOP | Thursday, August 6

Time	Session	Presenter
0800 – 0830	<i>Arrival & registration; coffee & tea</i>	
0830 – 1000	Session 1 Influence of Inverter-Based Resources on Protection Functions	Michael Wiecha Application Engineer, OMICRON
1000 – 1030	<i>Morning tea</i>	
1030 – 1115	Session 2 Network Anti-Islanding Protection incl. Practical Testing	Ahmad Yousuf Technical Support & Application Engineer, OMICRON
1115 – 1200	LPIT-Based Measurement Systems – Principles and End-to-End Validation	Ravi Desai Technical Support & Application Engineer, OMICRON
1200 – 1300	<i>Buffet lunch</i>	
1300 – 1430	Session 3 Centralised Protection Systems – Architectures & Testing in Digital Substations	Tibor Congo Regional Applicaiton Engineer, OMICRON
1430 – 1500	<i>Afternoon tea</i>	
1500	<i>Workshop Concludes</i>	