

# SEAPAC 17

## DAILY PROGRAMME



DAY 1 – TUESDAY 14 March				
	Paper No.	Presenter	Company	
<b>Registration</b>				7:45 – 8:30
Welcome				8:30 – 8:45
Keynote Address – "Current Challenges and future pathways for the Industry"		Nino Ficca	Managing Director of AusNet Services & Chairman of Energy Networks Australia	8:45 – 9:15
Restricted Earth Fault Security and Incipient Faults: Case Study	111	Leonardo Torelli	CSE-Uniserve	9:15 – 9:30
The Ground Fault Neutralizer – Smart Bushfire Protection for Australia	117	Klaus Winter	Swedish Neutral AB Stockholm Sweden	9:30 – 9:45
Compensated neutral networks and multi-frequency admittance protection	121	Ari Wahlroos	ABB Oy	9:45 – 10:00
Sensitive ground fault detection in compensated systems (ASC) – what is influencing the sensitivity	104	Gerd Kaufmann	A. Eberle GmbH & Co. KG	10:00 – 10:15
Q & A				10:15 – 10:30
<b>Morning Tea</b>				10:30 – 11:00
Your Roadmap to Community Resilience Microgrids: Taking the First Steps	120	Marcus DW Steel	Regional Electricity Micro-Grids Pty Ltd	11:00 – 11:15
QV Protection for Wind Farms	168	Mitchell Eadie	Schneider Electric	11:15 – 11:30
Study of Sensitive Overcurrent Protection Scheme with Core Balance CT in an Islanded Micro grid with Inverter-ilterfaced Distributed Generations	113	Ali Khademlahashy	University of technology Sydney	11:30 – 11:45
New MV Protection concept with integration of DER plants	181	José Miguel Yarza	ZIV	11:45 – 12:00
Multi-scenario protection coordination for a large data center with embedded generation.	138	Winodh Jayewardene	AECOM	12:00 – 12:15
Q & A				12:15 – 12:30
<b>Lunch</b>				12:30 – 13:30
Avon Substation – TransGrid's Journey to a Full Digital Substation	110	Kevin Hinkley	Transgrid	13:30 – 13:45
OWNER, Operator wanting GOOSE on separated networks. IED publishing GOOSE on 2 different networks	89	Damien Ravinet	Siemens	13:45 – 14:00
Major Rebuild of Critical CBD Supply Substation	94	Justin Brown	Beca	14:00 – 14:15
Bruce61850 upgrade: Challenges and opportunities	169	Ravi Anegondy	ActewAGL Distribution	14:15 – 14:30
Ethernet based line differential protection over passive multiplexer	131	Ron Nathan	SEL	14:30 – 14:45
Q & A				14:45 – 15:00
<b>Afternoon Tea</b>				15:00 – 15:30
Distributed Synchronous Coordination Field Testing Of an Actual Automated Distribution Feeder System	188	Maryam Khallaghi	OMICRON electronics Australia Pty Ltd	15:30 – 15:45
Implementation of IEC61850 for Inter Substation HV System Interlocking and Automatic Supply Restoration	107	Gideon Strydom	Beca Limited	15:45 – 16:00
Development of a Wide Area Defence System Simulation Testbed for Tenaga Nasional Berhad Transmission Grid	135	Mohd Firdaus Yon	Tenaga Nasional Berhad	16:00 – 16:15
Application of Synchrophasor-Based Autoreclose Synchronism Check	112	Yuhui [David] Chen	Transpower New Zealand Ltd	16:15 – 16:30
TasNetworks Synchrophasor Deployment - Five Year Review	74	Jimmy Chong	TasNetworks	16:30 – 16:45
Q & A				16:45 – 17:00
<b>Cocktail Function / Dinner</b>				17:00 – 20:00

<b>DAY 2 – WEDNESDAY 15 March</b>				<b>Paper No.</b>	<b>Presenter</b>	<b>Company</b>	
<b>Registration</b>							8:00 – 8:30
Cygnus atratus, and how it causes problems				72	Terry Foxcroft	Snowy Hydro	8:30 – 8:45
To Trip or not to Trip Sequentially – Bus Zone Bus Coupler CB				84	Rainer Goblirsch	Siemens	8:45 – 9:00
Protection requirements for Detuned Capacitors and Reactors				139	Gurinder Saluja	Transgid	9:00 – 9:15
Phase selection for line distance protection based on undervoltage detection				125	Madhusudan Srinivasan	ABB Australia Pty Ltd.	9:15 – 9:30
The Analysis of Propagation Characteristics of the Fault Transient Traveling Waves on HVDC Grounding Electrode Lines				98	Yining Zhang	Ehv Power Transmission Comp. Maintenance & Test [M&T] Center	9:30 – 9:45
Q & A							9:45 – 10:00
<b>Morning Tea</b>							10:00 – 10:30
Enhanced Special Protection Scheme (SPS) automation using Analogue GOOSE				97	Sinapati ST Tupou	Transpower NZ Ltd	10:30 – 10:45
Implementing a Power Management System for a Mine site – Focus on the fast dynamic balanced load shedding				88	Kenan Barut	Siemens	10:45 – 11:00
High Speed Motor Bus Transfer Simulations and Field Experience in Oil & Gas Refinery				81	Kamin D Dattvadav	ASHIDA	11:00 – 11:15
An Exercise in Trust: Examining the Future of Cryptographic Technology in Electrical Control Systems				106	Colin Gray	Schweitzer Engineering Laboratories, Inc.	11:15 – 11:30
Integrating IEC 61850 and IEEE 1815 [DNP3]				86	Andrew West	SUBNET Solutions Inc.	11:30 – 11:45
Q & A							11:45 – 12:00
<b>Lunch</b>							12:00 – 13:00
Quality Assurance requirements and experiences for GOOSE/SV configuration				123	Rodney Hughes	Rod Hughes Consulting Pty Ltd	13:00 – 13:15
Automated SCADA testing methods with IEC 61850				160	Daniel Moulds	Powerlink Queensland	13:15 – 13:30
Remote Testing of Protection Devices and Schemes – Principles, Applications and Benefits				130	Alexander Apostolov	OMICRON electronics	13:30 – 13:45
Quick and reliable generation of configuration files for multivendor IEC 61850 systems				134	Murray Chapman	Powerlink Queensland	13:45 – 14:00
Enabling Big Data Collection with IEC 61850 on an In-Service 220 kV Substation				163	James C Stokes	Jarrah Solutions	14:00 – 14:15
Q & A							14:15 – 14:30
<b>Afternoon Tea</b>							14:30 – 15:00
Decentralised In-feeds Influence on Grid Power Quality				83	Hakan Menekse	Omicron Electronics Australia Pty Ltd	15:00 – 15:15
Policing Harmonic Compliance @ TasNetworks				76	Satendra Bhola	TasNetworks	15:15 – 15:30
Modelling Optimal Secondary System Asset Lifespan Based on Risk, Cost and Performance				127	Tuan Vu	Powerlink Queensland	15:30 – 15:45
A Criterion to Evaluate New Generation Digital Protection Relays: “Cost benefit and Reliability concerns”				79	Suyash M Kulkarni	ASHIDA	15:45 – 16:00
Identifying which critical spares offer the most significant benefit to the business				92	Briony Forsberg	Beca Ltd	16:00 – 16:15
Q & A							16:15 – 16:30
<b>Conference Close</b>							

CIGRE AUSTRALIA WOULD LIKE TO THANK AND ACKNOWLEDGE THE SUPPORT OF THE FOLLOWING SPONSORS

