SEAPAC 19

South East Asia Protection, Automation and Control Conference
19th & 20th March 2019, Sydney, Australia
The STAR Sydney, 80 Pyrmont Street, Pyrmont, NSW

DAY 1 – TUESDAY 19 March	Paper No.	Presenter	Company	
Registration - Session Chair Behnam Taherian (Western Power)				7:45 – 8:30
Welcome		Peter Bishop & Terry Killen		8:30 – 8:50
Keynote Address		Gerard Reiter Keynote Speaker	Transgrid	8:50 – 9:20
Western Power's Perenjori BESS - Functionality and Operational Experience	402	Nathan Kirby	Western Power	9:20 – 9:35
Process Bus in Breaker and a Half Applications	403	Ian Young	Schneider Electric	9:35 – 9:50
Transpower Application for Automatic Control of Reactive Equipment Using SCADA in the Upper North Island (UNIRPC)	409	Duncan Buchanan	Transpower New Zealand Ltd	9:50 – 10:05
Benefits of integrating automation functions into IEC 61850-based Substation SCADA/HMI platforms	462	Daniel Moulds	Powerlink Queensland	10:05 – 10:20
Q & A				10:20 – 10:35
Morning Tea Session Chair Gavin DeHosson – Endeavour Energy				10:35 – 11:05
First Digital Substation in TransGrid Australia A journey: Process Bus testing experience	411	Scott Cansdale	Transgrid	11:05 – 11:20
Transformer Innovation Centre – Overview and Summary	555	Dan Martin	TIC/UQ	11:20 – 11:35
The benefits of using IEC61869 in Process Bus applications	404	Ian Young	Schneider Electric	11:35 – 11:50
Development of Wide Area Monitoring and Protection System Based On IEC61850 Standard	466	Pejman Peidaee	Victoria University	11:50 – 12:05
Q & A				12:05–12:20
Lunch - Session Chair – Ian Young (Schneider Electric)				12:20 – 13:20
How important is a bolt?	423	Terry Foxcroft	Snowy Hydro	13:20 – 13:35
Do frequency changes affect protection element accuracy? Field experiences review.	401	Leonardo Torelli	CSE-Uniserve	13:35 – 13:50
A new Approach to detecting Vegetation Faults: Voltage Sensitive Earth Fault Protection	410	Ravi Anegondy	Actew AGL Distribution	13:50 – 14:05
Recent Transitions in Bus Bar Protection for Closed Ring Networks	422	Daniel Abetz	Siemens Ltd	14:05 – 14:20
Delivering affordable, reliable and sustainable electricity to Australia	666	Simon Bartlett	ARCMesh Pty Ltd	14:20 – 14:35
Q & A				14:35–14:55
Afternoon Tea – Session Chair – Justin Brown (Beca)				14:55 – 15:25
Developing a cost-effective distance-to-fault cable-zone fault indication scheme	417	Bhavish Kumar	Transpower NZ	15:25 – 15:40
The use of REFCL technology in Australia and other countries	459	Klaus Winter	Swedish Neutral AB	15:40 – 15:55
Process bus based Busbar Protection - A stepping stone towards Digital Substation	413	Graeme Lloyd	GE Grid Solutions	15:55 – 16:10
Data Management and Analytics for Protection System Maintenance - A Specialized and Secure Solution Operating in the Technical Zon	405	Stefan Schlichting	OMICRON Electronics GmbH	16:10 – 16:25
Integrated IED Asset Management, Risk Management and Maintenance Strategies - current situation and future hopes	400	Željko Schreiner	IPS-Energy Australia Pacific Pty Ltd	16:25– 16:40
Q & A				16:40–17:00
Cocktail Function / Dinner				17:00 –20:00

DAY 2 – WEDNESDAY 20 March	Paper No.	Presenter	Company	
Registration - Session Chair Peter Cleaves - Endeavour Energy				8:30 – 9:00
B5 Activities Update		Peter Bishop		9:00 – 9:20
Wind Farm Power Plants: How should be protected, controlled and integrated to grid	420	Maty Ghezelayagh	TasNetworks Pty Ltd	9:20 – 9:35
Battery Energy Storage for Frequency Control in an Electricity Market with High Penetration of Renewable Energy	445	Gustavo Azevedo	Hatch / University of Queensland	9:35 – 9:50
Advanced voltage control in substations and feeders affected by DER	452	Nick Yates	Fundamentals Aust.	9:50 – 10:05
Protections For Large Scale Renewable Generation Connection	454	Joseph Treacy	Transgrid	10:05 – 10:20
Q & A				10:20 – 10:35
Morning Tea Session Chair Justin Brown (Beca)				10:35 – 10:55
A New Paradigm for Power System Stability Protection with Asynchronous Generation	453	Winodh Jayewardene	WSP	10:55 – 11:10
Fault current calculations in power systems dominated by power electronic interfaced asynchronous generation	456	Jingwei Lu	Australian Energy Market Operator	11:10 – 11:25
Australia's First Large Scale PMU Deployment in the Medium Voltage Distribution Network	416	Martin Van Der Linde	NOJA Power	11:25 – 11:40
Managing Sub-Synchronous Oscillation Interaction Risk with Waveform Measurement Units â A novel approach	406	Chirag Mistry	GE Grid Solutions	11:40 – 11:55
Q & A				11:55 – 12:10
Lunch Session Chair Kevin Friesen (Beca)				12:10 – 13:10
PTP Time Synchronisation	XX	Ian Young	Schneider Electric	13:10 – 13:25
Deployment and evaluation of IEEE1588 in a PRP network	415	Graeme Lloyd	GE Grid Solutions	13:25 – 13:40
Application of MPLS-TP for Transporting Power System Protection Data	390	Nilesh Joshi	CommTel NS Pty Ltd	13:40 – 13:55
Solving the Inherent Problem of Transporting Serial Teleprotection Circuits Over MPLS	450	Colin Gray	Schweitzer Engineering	13:55 – 14:10
				14:10 – 14:25
Q & A				14:25 – 14:45
Afternoon Tea Session Chair Leonardo Torelli (CSE-Uniserve)				14:45 – 15:00
SCADA's Role in Large-Scale PV Plants	424	Fabrizio Girardi Mac-Taggart	Siemens Ltd.	15:00 – 15:15
Teleprotection in the new WAN world	465	David Gil Donate	ZIV Applications	15:15 – 15:30
IED System Management Solution: A Universal Approach for all your Grid IoT Integration	458	Andrew West	SUBNET Solutions Inc.	15:30 – 15:45
Using Wavelength Division Multiplexing for Protection Applications	451	Veselin Skendzic	Schweitzer Engineering Laboratories, Inc.	15:45 – 16:00
Q & A				16:00 – 16:15
Conference Close				