

AGENDA

Tuesday September 17th, 2024

DAY 1	
8:20	Registration
8:50 - 9:00	Welcome Address
9:00-10:30	Presentation session 1 ○ System Configuration Tool Explorations and Opportunities ○ Application of Parallel Redundancy Protocol (PRP) to process bus substation networking ○ Towards Predictive and Autonomous AI-Powered Network Management: the crucial role of Centralized and Virtualization Protection and Control in Digital Substations
10:30 - 11:00	Refreshment Break
11:00 - 12:30	Presentation session 2 ○ Modelling transformer with internal fault to analyse the sensitivity of differential protection ○ Transformer restricted earth fault field cases. Revisiting speed and security requirement ○ Residual Flux consideration for controlled switching of transformers
12:30 - 13:30	Networking Lunch
13:30 - 14:30	Presentation session 3 ○ Cybersecurity for Distribution Switchgear - Opportunities and Challenges ○ Network Security Risks in the Power Grid: A Detailed Investigation of Over 100 Substations and Power
14:30 - 15:00	Refreshment Break
15:00 - 16:00	Presentation session 4 ○ New Education and Industry Training Requirements for PAC ○ A Proposal for a Fault Record Sharing Platform in the Power System Protection
16:00 - 17:00	Panel Session - Protection and Control in an Evolving Grid
17:00 - 19:30	Drinks and canapes

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Wednesday September 18th, 2024

DAY 2	
8:30 - 10:00	Presentation session 1 - o A 7-year Long Earth Fault Finding in a Power Station - Challenges and Lessons Learnt - o Real Time Detection of Generator Instability - o Implementation of Reactive Power Control Scheme
10:00 - 10:30	Refreshment Break
10:30 - 12:00	Presentation session 2 - o IEC 61850 based cross differential protection - o Implementation of Tele Protection Scheme for Line Transmission at 150 kV Substations based on the IEC61850 Goose Message Protocol (TP GOOSE) - o Testing of Travelling Wave Fault Locators
12:00 - 13:00	Networking Lunch
13:00 - 15:00	Presentation session 3 - o Feeder protection: determine fault directionality in a compensated power system - o Validation of Packet (MPLS-TP) Technology for Transporting Tele-protection (Current Differential) services with existing Hybrid Network technologies (SDH, PDH & WDM) through Field Trial - o Implemented Section Autoreclose on Hybrid Line Java Bali Overhead Line Transmission & Submarine Cable: A case study of Line Gilimanuk – Banyuwangi PLN UIT JMB UPT Bali - o Dynamic Protection System Performance Using Rogowski Coils
15:00	Closing and Refreshments

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