OMICRON South African User Conference 2024: Conference Programme

Tuesday, 30 July 2024	Wednesday, 31 July 2024	Thursday, 1 August 2024
07h00 Registration & Coffee	07h00 Registration & Coffee	07h00 Registration & Coffee
08h30 Tutorial Session 1: Cybersecurity	08h30 Presentation Session 1	08h30 Presentation Session 3
Cybersecurity Solutions for Power Grids Amro Mohamed, OMICRON electronics	**Islanding Capabilities of South Africa's Generation Fleet** Ndumiso Nxumalo, Eskom Generation	**Women in Power Feedback Session** Ingrid Dierks, Alectrix
Utility Experiences Deploying an IDS in an IEC 61850 Substation Resham Singh, Ethekwini Municipality	**Importance of Correctly Specifying Measurement Instrument Transformers** Frans Shanyata, NamPower	**Automated Motor Testing with CMC Engine** Hennie Pretorius, Alectrix
Enhanced Utility Experience: Standardized SAS Testing for IEC 61850 Substations Daniel Katongo, ZESCO Ltd	**New Possibilities for Substation Engineering using Virtualized Devices and Digital Twins** Thomas Hensler, OMICRON electronics	**Advanced Insulation Assessment with DFR Measurement** Sofiane Bakkay, OMICRON electronics
10h00 Coffee Break	10h00 Coffee Break	10h00 Coffee Break
10h30 Tutorial Session 2	10h30 Presentation Session 2	10h30 Presentation Session 4
GOOSE Heartbeats and Troubleshooting Tips Ronny Lehutso, National Transmission Company of South Africa	**PTM for Comprehensive Diagnostic, Testing, Condition Assessment and Data Management** Anas Abdulkadher, OMICRON electronics	**Comprehensive Transformer Insulation Diagnostics** Sofiane Bakkay, OMICRON electronics
Interoperability Challenges of IEC61850 Vendor Configuration Tools Happiness Mhlongo, National Transmission Company of South Africa	**Towards Simplified Protection Testing** Stuart van Zyl, National Transmission Company of South Africa	**Error Detection with Test Universe Tools** Ndabeni Stenane, National Transmission Company of South Africa
Experiences Testing Multivendor Busbar Protection Schemes using IEC 61850 Sampled Values Alexander Dierks, Alectrix; Andre Melo, Schneider Electric - Spain	**Importance of Management in Secondary Systems** Stefan Schoner, OMICRON electronics	**Travelling Wave Testing** Deon Joubert, Schweitzer Engineering Laboratory
12h00 Lunch Break	12h00 Lunch Break	12h00 Lunch Break
13h15 Tutorial Session 3	13h15 Practical Session 1	13h15 Practical Session 4
SAS Testing Throughout Project Lifecycle Arul Irudayasamy, OMICRON electronics	**Device Management for Reliable Data with ADMO** Stefan Schoner, OMICRON electronics	**Analyze Protective Systems Behavior Under the Effect of CT Saturation** Anas Abdulkadher, OMICRON electronics
14h00 Coffee Break	14h00 Coffee Break	14h00 Coffee Break
14h15 Tutorial Session 4	14h15 Practical Session 2	14h15 Practical Session 5
Verifying Sampled Values Publishers Peter Diamandis, Quadnet; Hennie Pretorius, Alectrix	**Virtual Transformer Protection Testing using RelaySimTest and the Siemens DigitalTwin Cloud** Thomas Hensler, OMICRON electronics	**Innovative Testing Solution for All Types of Circuit Breakers with CIBANO 500** Mohamed Ebrahim, OMICRON electronics
15h00 Coffee Break	15h00 Coffee Break	15h00 Coffee Break
15h15 Tutorial Session 5 - Live Demonstration	15h15 Practical Session 3	15h15 Practical Session 6
Testing with IEC 61850 Client/Server Module Christo Venter, Alectrix	**Recloser Control Box Testing with ARCO 400** Pinky Seshabela, Alectrix	**Online PD Testing of Dry Type Transformers** Bernhard Engstler, OMICRON electronics, OCC Building
16h00 Close	16h00 Close	16h00 Close
	16h15 Women in Power Engineering	
	Challenges Faced by Female Engineers in the Industry Sy Gourrah, Actom	