

1. Line Protection Performance during faults in networks with Solar PV and Wind renewable energy
2. Using Incremental Quantities to Locate Faults: A New Double-Ended Method for Ultra-High-Speed Protective Relays
3. Efficient Fault Detection: An Operational Blueprint
4. Using Large Language Models (LLMs) to Configure Protection Relays: What works right now and how they can be integrated into settings workflows
5. Time-Domain Wide-Area Protection Studies
6. Enhancing Grid Reliability through AI-Powered Knowledge Sharing
7. Differential Protection of Dual-Core Phase-Shifting Transformers
8. This is the title of my paper: Cloud-Based End-to-End Testing of Line Protection Schemes and Line Differential Relays - A Novel Single-End Controlled Approach.
9. This is the title of my paper: Evolution in closed-loop Relay Protection Testing with Digital Twin Technology
10. Evaluation and Implementation of Digital Substations: Compliance with IEC 61850-9-2 LE for IEDs and Merging Units
11. Modelling of Grid Following Inverter for Performance Evaluation of Positive Sequence Memory Polarized Distance Relay
12. TMR Sensors as Backup to Conventional CTs for Power Systems Protection Applications
13. Testing and monitoring techniques for commissioning digital substations
14. Commissioning / start-up of digital substations under the IEC 61850 standard
15. Assessment of PAC solutions on edge server for DC microgrids using a laboratory testing platform
16. Six-phase line transmission and its application in the changing grid
17. Methods and tools for improving transmission line protection for systems with high penetration of IBR
18. Array Cable Feeder Earth-Fault Protection Challenges
19. Deep learning-based transmission line protection module for renewable and conventional generation sources
20. Reliability, maintainability, and availability analysis of centralized wide area protection schemes
21. Fast Time-Domain Fault Location for Distance Protection in Inverter-Based Networks
22. Influence of zero-sequence impedance inaccuracy on the detection of phase-to-ground faults by distance protection relays
23. Implementation of an Electrical Parameter Estimation Method for AC Submarine Cables Based on WAMPAC Systems
24. Revolutionizing testing with virtual replicas in power system protection
25. Live Line Fault Simulation in 11 kV Overhead Line to Analyse High Impedance/Broken Conductor Fault in Distribution Network
26. Impact of Fault arcs on the Short-circuit current in the High-power Low-voltage grid for the Design of Protection systems
27. Mapping Fault Currents and Identifying Source Contributions Using Phasor Measurement Unit (PMU) Data
28. Enhancing performance of out of step protection relays using synchrophasor measurements

29. Operational Experience of a Major Blackout in Southern Regional Grid of India: Understanding Methodologies, Simulation Studies, and Mitigating Techniques for Under-Frequency Relay Maloperation
30. Influence of Grid-Forming Converters on Power System Protection – Part 2 – Evaluation of the performance of differential protection in the case of inverter-generated fault currents
31. Influence of Grid-Forming Converters on Power System Protection - Part 3: Short Circuit and Grid Protection Behavior of Power Electronic Virtual Synchronous Machines
32. Remote, automated and configurable testing and procedures for digital SAS with process bus – solution design and development and interoperability and configuration challenges
33. Special Requirements on Protection Systems in Electrolysis plants
34. Designing Adaptive Distance Protection: Consequences on Protection Performance
35. Assessing secondary injection tests for HVDC travelling wave applications
36. Analytical Investigation of the Influence of Grid Following IBR Control on Distance Protection
37. Investigation into the robustness of neural network based power system protection schemes
38. Model-based power system protection – Benefits and drawbacks
39. Investigating the Dependability and Security of Modern High-Impedance Bus Differential Protection Based on a Case Study
40. Design of a protection scheme of an SSSC system (Static Synchronous Series Compensator).
41. Protection, Automation, Control and Communication Systems Monitoring in substations
42. Automated Testing Methodologies for Substation Automation Systems (SAS) with IEC 61850 and IEC 60870-5-104 Communication Protocols
43. Development and Validation of a Dual-Core Asymmetric Phase-Shifting Transformer Model for Implementation in Real-Time Protection Studies
44. Software protections of GFM inverters under grid faults
45. AI-Based Detection and Localization of High Impedance Ground Faults in Resonant- Grounded Grids
46. Protection of mv networks with zig-zag grounding transformers
47. Experience of using differential line protection in the 30kV distribution network of i-DE
48. New phase selection solution for distance protection under different system conditions
49. “Considerations on AC transmission distance protection in systems with high penetration of Grid-Forming Inverter-Based Resources”.
50. Implementation of Mho Characteristics in FPAA-based Reconfigurable New Generation Static Relay
51. Fast fault detection for Sub-Synchronous Resonance (SSR) algorithm using advanced signal processing techniques
52. Evaluation of the application in MV distribution networks of travelling-waves-based protection systems varying the measurement bandwidth
53. New approach for simplification of high speed busbar transfer (HSBT) schemes in larger industrial applications
54. Experience of Secure Interoperable Routable Goose Communication at the UCA International Users Group Interoperability Tests
55. Protection and Optimization of Distributed Control and Energy Storage Systems for Offshore Wind Farms under Extreme Weather Conditions.
56. Abnormal fault patterns in the presence of Inverter Based Generation and their effect on line protection
57. Virtualisation at the Core of Next-Gen Grid Control: Enabling Time-Critical Applications and Interoperability
58. Protection Validation Testing of Doubly-Fed Induction Machines Using a Real-Time Digital Simulator
59. Modeling of Power Transformer Internal Faults for Real-Time Digital Simulation

60. New approach for simplification of high-speed busbar transfer schemes in larger industrial applications
61. Virtualization topologies of IEDs with the IEC61850 protocol and their application in edge devices
62. "Centralized adaptative load shedding scheme for industrial facilities"
63. A review on protection schemes for future smart with electric vehicles
64. A shape optimization framework to design robust distance elements considering uncertainties
65. Transient-based protective relaying with grid-forming inverters employing different current limiters
66. Comparative Evaluation of Conventional and Advanced Protection Algorithms in HV Transmission Systems: A Case Study of the Brazilian Grid
67. Comparison between the coupled sequence control and decoupled sequence control of inverter-based resources in terms of impacts on distance protection.
68. Enhanced Protection for Low-Inertia and Converter-rich Power Systems using Incremental Quantities
69. Unit protection schemes for collector array cables in offshore wind farms
70. "The role of Cybersecurity Certification and Standarization to ensure the compliance and performance of Electrical Power and Energy System"
71. Software and Hardware Considerations and Testing for Virtualised Protection and Control
72. Configuring and Testing a Multi-vendor Busbar Protection Scheme using IEC 61850 Sampled Values: An Experience Report
73. Standardized Testing of Protection Schemes in the Era of IEC 61850: An Eskom Perspective