





**International Conference on
Smart Technologies for Energy, Sustainability & Industry (STESI)
July 22-23, 2026**

Department of Electrical Engineering, Manipal University Jaipur

Special Session ID	SS-04
Title	AI-Driven Control, Protection, and Resilience of Smart and Sustainable Power Grids
Tentative Topics	<ol style="list-style-type: none"> 1. AI-Driven Stability Assessment and Adaptive Control of Power Grids 2. Intelligent Protection and Self-Healing Strategies for Transmission and Distribution Networks 3. Optimization-Based Secure and Resilient Grid Operation under Contingencies 4. Wide-Area Monitoring, Protection, and Control (WAMPAC) Enabled by AI and WSNs 5. Edge Intelligence, Federated Learning, and Low-Latency Control for Smart Grids 6. Hybrid and Physics-Informed AI Models for Control and Protection Applications
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