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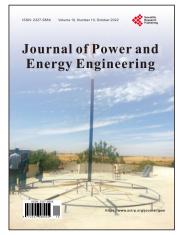
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Application of wide area measurement system (WAMS Control strategies for modern power system stability Integrated substation automation technologies Load modeling, estimation and forecast Modeling and simulation of large power systems Online monitoring and fault diagnosis system Power system analysis and optimization Power system management technologies

Power system monitoring and mitigation technologies Power system planning and operation 3. Power Transmission and Distribution Advanced distribution and SCADA technologies Electromagnetic analysis in power systems Electromagnetic compatibility in power systems Electromagnetic transient in high voltage power systems HVDC and flexible AC transmission system (FACTS) Insulation condition monitoring in power systems Over-voltage, lightning protection and grounding Plasma physics and the pulsed power technology Ultra high voltage (UHV) technologies 4. Smart Grid Technologies Agent-based computational economics for grid Agent-based mechanisms for grid markets Agent-based simulation of grid environments and markets Automated negotiation for grid resource allocation Engineering of grid markets and grid architectures Modeling of grid environments Resource allocation in grid scenarios using agent-based approaches

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