

Protection and Control of Novel Electric Power Systems

Special Session I



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In order to further promote the development of the theory and technology of protection, control, and key equipments for the novel power systems, the special issue entitled “Protection and Control of Novel Electric Power Systems” is organized. The interesting topics of this special issue include, but are not limited to, the following research topics and technologies:

1. Typical form, scene, and topology of the future electric power systems.
2. Fault analysis of the power systems with high proportion of renewable power generation, energy storage, and other power electronic devices.
3. Stability and harmonic characteristic analysis of the power systems with high proportion of renewable power generation, energy storage, and other power electronic devices.
4. Adaptability analysis of traditional protection, novel protection theory, protection setting calculation and verification technologies, for the future power systems.
5. Grid-forming control strategy of renewable power generation, converter, energy storage PCS, et al.
6. Coordination technology between protection and control with high proportion power electronic devices access.
7. Key techniques for fault handling in future power systems, such as the circuit breaker, fault current limiter, dc energy dissipation device, et al.



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Submission Consultation

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