Special Issue

Advances in Design, Operation and Maintenance Technology for Electric Power Equipment—2nd Edition

Message from the Guest Editors

Electric power equipment is crucial for five major aspects of power systems: generation, transmission, substation, distribution, and consumption. Guaranteeing the reliable operation of electric power equipment is key to ensuring the stability of a power system. Proven experience in design, operation and maintenance contributes to the reliability of electric power equipment. Therefore, the aim of this Special Issue is to discuss the latest research advances in electric power equipment design, operation and maintenance technologies to promote the reliability, efficiency and sustainability of power systems. Potential topics include (but are not limited to) the following: the discharge mechanism and its characteristics, insulation aging and life, topology, multiphysics, loss optimization, automation and intelligence, inspection and detection technology, condition monitoring and fault diagnosis, disaster prevention technology (lightning, wildfire, bird, etc.), maintenance technology, live-line work, operational control and optimization, and new AI-based applications.

Guest Editors

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Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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