Special Issue

Power System Transients and Protection

Message from the Guest Editor

The reliable and uninterruptable operation of the power systems is prerequisite for the efficient and safe transfer and distribution of the electric energy. In this context, the protection of the power systems against lightning and switching events that result in the development of dangerous for the equipment overvoltages is an issue of priority, in an effort to avoid supply interruptions, costly damage of the equipment and extra costs to the utilities because of the undelivered energy. To this direction, main topics of the current special issue are:

- Transient phenomena on modern power systems
- Protection of modern transmission and distribution systems against atmospheric and switching overvoltages
- Grounding systems
- Transients and EMC
- Lightning protection of HVDC and MVDC systems
- Insulation coordination
- Surge arresters technologies
- Lightning testing standards
- Lightning attachment
- Optimal design of lightning protection systems
- Lightning protection of smart grids equipment

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Message from the Editor-in-Chief

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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