Special Issue

Distributed Generation Power Systems

Message from the Guest Editor

The electrical power system is going through a revolution. Distributed production has become more widespread in recent years. Distributed generations are installations for the generation of electricity which are used to convert various sources of energy into electricity. The source that we classify as distributed is usually a part of the customer's equipment in which one or more generators are located. Distributed sources of electricity usually represent renewable sources or combined production of electricity and heat, whose technology and nature of production also influence the behavior of sources at the time of failure. The number of distributed sources is high compared to the past and has a growing trend. Rated active powers are in the order from tens up to hundreds of kW. These sources are usually connected to the LV voltage level. Rated outputs of MW units are connected to HV networks. An increase of decentralized sources may lead to new problems with the operation of distribution and transmission systems. Solutions for problems related with decentralized production are welcom

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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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