Special Issue

Voltage Stability Analysis in Power Systems II

Message from the Guest Editor

Traditionally, the main reason for voltage control has been load variation. However, near-future power systems will be related to higher degrees of complexity due to the recent advances in distributed generators, renewable energy sources, and highly dynamic loads. Distributed generators have translated voltage control and stability issues from transmission to distributed systems. The increasing penetration of distributed generation gives the opportunity to widely develop more active distribution networks and more advanced distribution management strategies that have triggered the contribution of distribution systems to voltage stability. Even in transmission systems, the growing influence of great renewable generators, such as offshore wind plants, has changed the paradigm of power system voltage stability with their intermittent and stochastic nature. This Special Issue focuses on relevant research to assure voltage stability in new scenarios for future power systems.

Guest Editor

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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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