Special Issue

Flow Control and Optimization in Power Systems

Message from the Guest Editor

Power systems are broadly applied in aeronautics, aerospace sea, and land transportation, as well as in energy and chemical industries. Fluid organization and flow control technology in the power system can improve performance, efficiency, and reliability. Therefore, this is a promising and attractive research area for both industry professionals and the academic community. In recent years, some advanced technology, e.g., additive manufacturing, artificial intelligence, and MEMS, have made flow control more efficient and feasible. Optimization through mathematical algorithms aims to search for the best shape or strategies which can be within the generalized flow control. This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, experiment, and application of all types of flow control in power systems. Topics of interest for publication include, but are not limited to, the following: Active flow control; Passive flow control; Hybrid control; Intelligent control; Drag reduction; Noise reduction; Optimization method; Surrogate model; Component optimization; Power system optimization; Multidisciplinary optimization.

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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