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Planning, Operation and Control of Power Systems with Large Amounts of Variable Renewable Generation

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Message from the Guest Editor

Dear Colleagues,

In today's world, the feeling of scarcity is increasingly prevalent across all sectors of our society. However, this sensation becomes particularly acute when we focus on the electrical sector. The relentless growth in electricity demand, coupled with the significant constraints of traditional energy generation methods reliant on large power plants, has created a challenging situation. Additionally, the imperative to reduce greenhouse gas emissions has intensified the need for a comprehensive response, one that necessitates the collective efforts of the scientific community to establish an efficient, sustainable, and environmentally friendly electrical system.

In this Special Issue, we will explore these challenges in depth and provide technical solutions that can contribute to the establishment of a resilient and eco-friendly electrical infrastructure. Given recent years' political instability, which has resulted in significant economic challenges, the solutions presented in this Special Issue will prioritize the efficient utilization of existing resources. Consequently, the aim is to create an electrical system that is both reliable and cost-effective.

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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