Special Issue

Intelligent Optimization and Control Modeling in Power and Energy System

Message from the Guest Editors

As the world economy accelerates, there is a swift surge in energy requirements. The efficiency of energy and power transmission is critical. The deployment of intelligent control and optimization methods stands out as an effective strategy for augmenting the capabilities of power generation systems, offering a blend of affordability and high performance. This Special Issue gathers comprehensive reviews and research papers on Advanced Control, Intelligent Optimization, and Control Modeling in power and energy systems. We aim to showcase the latest technological advancements and their integration into power and energy systems. We will place a strong emphasis on exploring areas including but not limited to artificial intelligence-based control mechanisms, neural networks, advanced intelligent optimization strategies, multi-objective optimization approaches, machine learning techniques, and the integration of power and energy technologies.

Guest Editors

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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