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Optimization and Control of Energy Systems Planning with Environmental Considerations and Carbon Capture and Sequestration

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closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

The purpose of this Special Issue is to provide an opportunity for researchers to present new solutions to one of the grand challenges of this century: supplying energy to a growing population in an environmentally and economically sustainable way. Since no single technology can meet this ultimate energy challenge of the future on its own, papers that use a systems approach that can provide insight and data on how viable an energy production pathway can be are particularly encouraged. A diverse number of energy sources can be taken into account, including biomass, hydroelectric, wind, solar, natural gas, coal, and nuclear energy. The goal of this Special Issue is to present optimal solutions and control strategies that effectively account for sustainability and lower greenhouse gas emissions, while meeting growing energy demands.

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Message from the Editor-in-Chief

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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