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Nuclear Power, Including Fission and Fusion Technologies

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Deadline for manuscript
submissions:

closed (30 December 2018)

Message from the Guest Editor

Dear Colleagues,

This Special Issue will cover nuclear power plant design and operation, as well as technologies. It will provide forum to discuss and present recent research results, technologies, and best practices on nuclear power plants, including fission and fusion technologies. Papers can include small modular reactors designs, technologies, and operation. Nuclear power plant integration with the grid. Research results of advanced maintenance and operation activities will also be included in this Special Issue. The proposed Special Issue will provide advances in research and engineering design, which will support nuclear power plant operating companies, engineering and research institutes, engineering and contracting companies, as well as researchers and students from academia, including universities and colleges. The proposed Special Issue will also bridge research with educational programs, as well as engineering practices, in all disciplines within nuclear power.

Prof. Dr. Hossam A. Gabbar (Gaber)
Guest Editor



mdpi.com/si/14494

Special Issue



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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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