

Special Issue

Design and Safety Issues of Nuclear Plants and Installations

Message from the Guest Editors

This Special Issue will cover nuclear power plant (including SMR) design and operation, including innovative design and SMR, safety assessment as well as related technologies. Research results on cascading/conjunct events characterization, fragility analyses and uncertainties treatment will also be included in this Special Issue. Papers can also include research results on advanced and innovative nuclear fuel cycles. The technologies considered in this Special Issue will enable nuclear systems to guarantee safe operational performances. Moreover, papers that review and implement robust methodologies for assessing SSC fitness-for-service, and identify the most critical elements of the systems that may lesser (or impair) the plant safety margin will be also welcome.

- fusion/fission plants technology
- nuclear fuel and related technologies
- nuclear plant engineering
- nuclear power plants (including SMR) design and operation
- operating plant experience
- probabilistic risk assessment
- deterministic safety assessment
- beyond design basis
- nuclear safety

Guest Editors

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About the Journal

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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