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Advances in Energy Infrastructure Construction Technology

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Message from the Guest Editors

Energy development and utilization systems are fundamental to the overall development of economies all over the world. To enhance the service performance and service life of energy infrastructure, this Special Issue welcomes submissions with a focus on the current challenges related to physical experiments, computational models, and theoretical analyses for the construction technology of energy infrastructure.

Potential topics include, but are not limited to:

Stability analysis of oil and gas pipeline/tunnel in multi-field coupling environment; Multi-hazards on energy infrastructures and lifeline structures; Reinforcement analysis of infrastructures and lifeline structures Construction technology of renewable energy infrastructure; Hazard analysis of earthquakes and strong winds; Monitoring, spatial-temporal prediction modeling, and early warning of facility failures using advanced measurement systems; Sustainable and innovative materials for energy infrastructure; Construction technology and durability of nuclear waste treatment facilities under extreme conditions; New computational and experimental methods investigating the foundations of advanced energy infrastructures.



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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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