Special Issue

Experimental and Numerical Simulation of Methane Hydrate Geological Systems

Message from the Guest Editors

The characteristics and dynamics of methane hydrate systems (such as the hydrate concentration and distribution, host□sediment petrophysical properties, thermodynamic stability and methane–biosphere/hydrosphere/atmosphere interactions) are key for assessing energy production from hydrates and its role as a future transition fuel; evaluating the effect of the hydrates' dissociation on the ocean floor stability, the Earth's climate and ocean carbon cycles; and developing novel hydrate applications. This Special Issue aims to gather recent studies on the experimental and numerical simulation of the thermo□hydro□chemo□ mechanical behavior of methane hydrate systems.

Guest Editors

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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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