Special Issue

Energy- and Water-Saving Advances in Cooling Systems

Message from the Guest Editor

As cold terminal sources, large-scale cooling systems are widely used in thermodynamic systems, especially in thermodynamic power stations with conventional, nuclear, or solar energy. With the increasing need for energy and water savings, and carbon and drainage reduction, cooling processes and technologies have attracted widespread attention. Comprehensive studies on cooling systems would lay good foundations for developing innovative cooling processes and technologies. This Special Issue provides a forum for authors to present novel studies on cooling theory, processes, technology, apparatus, and systems, as well as comprehensive reviews on state-of-the-art developments in cooling systems. Topics of interest for publication include but are not limited to: Once-through cooling systems; Mechanical draft cooling systems; Natural draft wet cooling systems; Natural draft dry cooling systems; Direct air cooling condensers; Dew Point indirect evaporative cooling systems; Solar cooling systems; Aerodynamic field reconstruction; Heat transfer intensification; Water saving and drainage reduction; Energy saving and anti-freezing

Guest Editor

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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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