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Engineering Modeling of Advanced Heat Transfer Problems

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Deadline for manuscript submissions:

closed (31 May 2021)

Message from the Guest Editors

In the worldwide attempt to contribute to the energy transition, the solution of advanced heat transfer problems is of concern for several branches of power and energy engineering, and often becomes a key point in enabling new technologies or increasing the efficiency of the well-established technologies.

The Special Issue we are launching presents issues encountered and solved in the modeling of advanced heat transfer problems in disparate engineering fields. We welcome papers where, apart from specific applications, the main achievements by the authors could be clearly understood, out of the peculiarities of the specific cases, and offered as lessons for readers. Potential topics include but are not limited to Conjugate heat transfer; Turbulent convection; High heat flux removal; Boiling and condensation; Critical heat flux; Thermal radiation; Thermal absorption in gases and surfaces; Heat transfer in supercritical media; Cryogenic heat transfer. We look forward to reading your latest achievements in any of the directions highlighted above.



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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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