Special Issue

Hybrid Solar Photovoltaic/Thermal Systems

Message from the Guest Editors

Solar photovoltaic-thermal systems combine the strengths of both technologies into systems that produce multiple products, mainly solar heat and electricity, in operation points and within performance ranges that can result in competitive performance. The proper design of solar hybrid systems demands the use of advanced tools for enhancing the performance of each subsystem in configuring the hybrid scheme and managing the inherent thermodynamic compromises that each system design must consider. The challenge is to determine the size, operation point, performance, and control strategy, aiming to configure a cost-effective and competitive configuration. The current research challenges are focused on interdisciplinary, smart, and innovative configurations of hybrid solar energy systems, looking for an important increase of efficiency, reliability, and overall system yield.

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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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