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Message from the Collection Editors

Dear Colleagues,

Two sides of the same world can be identified with different objectives and priorities:

(i) On one hand, nowadays water and energy are two basic needs that should be distributed under efficient and sustainable performances. Science and technology must come together in order to develop and supply alternatives that meet people's basic needs.

(ii) On the other hand, innovative integrated solutions in terms of technical, economic, and social impacts are advisable. Impacts of environmental regulations and advancing technologies on local, national and even global energy politics are desirable.

This Collection invites contributions in evolving technical, social, and environmental impacts of energy supply, transport, production and use at different levels and interactions with water, hydrogen, waste and renewable sources such as wind and solar. The integration of different models allows to detect and actuate in near real-time conditions towards a better flexible, joined and efficient energy solution. Using physics and data-based prognostic models to detect faults can also improve asset failure mode management and reduce unplanned downtime.



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Topical Collection



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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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