



Analyzing Development Paths of Emerging Energy Technologies

Guest Editors:

Dr. Thomas Pregger

German Aerospace Center (DLR),
Institute of Networked Energy
Systems (formerly Institute of
Engineering Thermodynamics),
Department Energy Systems
Analysis, 70569 Stuttgart,
Germany

Dr. Urte Brand

German Aerospace Center (DLR),
Institute of Networked Energy
Systems, Department Energy
Systems Analysis, 26129
Oldenburg, Germany

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Message from the Guest Editors

Assumptions on the development of technologies and their system integration are essential for the assessment of future options and paths for sustainable energy systems. With the help of techno-economic scenarios, detailed technology-related knowledge and projections of the energy economic boundary conditions are integrated. However, further knowledge is relevant to achieve a comprehensive and robust evaluation of future options and scenarios. Social factors and environmental effects play an important role; the life cycles of the technologies have to be considered and macroeconomic effects and actor-related investment incentives have to be taken into account. In this context, the Special Issue offers contributions that advance the assessment of key technologies for a sustainable energy supply, taking into account their system integration and expected path development. The focus is on emerging and innovative technologies for the generation, conversion and storage of electricity, heat and fuels. Different sustainability aspects and prospective assessment methods may be addressed.





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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
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