



Numerical Simulations and Optimization of Renewable Energy Systems

Guest Editor:

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Energy & Sustainability Theme,
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Deadline for manuscript
submissions:

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Message from the Guest Editor

The global goal is to bring greenhouse gas emissions to zero within the second half of the 21st century. Such a challenging target implies developing novel methods and devices, or improving existing ones, to extract more energy from renewable resources, at low cost.

The significant increase in computing power over the past decades has motivated the development of numerical tools, which can be efficiently used for the design and control of renewable energy systems. Authors are invited to submit research and progress related to the development and use of numerical methods for renewable energy applications. This Special Issue will feature original research in these areas, including but not limited to: offshore/onshore wind energy, tidal/wave renewable energy and geothermal energy

Papers submitted to this special issue should ideally include a clear numerical component, for instance Computational Fluid Dynamics (CFD), numerical optimization, deep learning, etc., demonstrating how numerical methods, models, and codes can be applied for the design, study and/or optimization of existing and/or novel renewable energy systems.





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