Special Issue

Machine Learning for Sustainable Energy

Message from the Guest Editors

Energy systems are transforming worldwide to mitigate carbon emissions and global warming. Machine learning, which is an ideal companion to renewable energy, can facilitate the process of energy sector transformation. Because the major sources of renewable energy, wind and solar, are in their very nature, variable, it is a challenging task for a modern society to depend on these sources. We invite all colleagues to submit an original manuscript with novel research results on this general topic, including, but not limited to, applications of machine learning related to energy system analysis; renewable energy and renewable energy systems; the energy transition; weather data modeling; forecasting of relevant quantities, such as generation, demand, or electricity prices; demand-side management; peer-to-peer energy trading; use of big data in energy research; and other issues relevant to sustainable energy.

Guest Editors

Prof. Dr. Horst Stoecker

Dr. Jakub Jurasz

Dr. Kai Zhou

Dr. Nishtha Srivastava

Dr. Alexander Kies

Deadline for manuscript submissions

closed (1 January 2021)



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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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