

## Special Issue

# Wind-Photovoltaic-Storage Hybrid Power System towards Sustainability

### Message from the Guest Editors

In recent years, new energy technologies have undergone a rapid development. However, due to the uncertainty in the output of new energy sources, the large-scale integration of these sources into the power grid poses significant challenges to the energy and power balance of the power system. Energy storage systems, with bidirectional power characteristics and flexible regulation capabilities, can help mitigate the fluctuations in new energy generation. Therefore, wind-photovoltaic-storage hybrid systems, incorporating wind power, solar power, and energy storage technologies, can effectively deal with this problem. Moreover, a wind-photovoltaic-storage hybrid system not only reduces the reliance on traditional fossil fuels and minimizes the impact on the environment, but it also enhances energy efficiency of utilization, making it a sustainably viable solution. In this Special Issue, original research articles and reviews are welcomed. Research areas may include (but are not limited to) the following: management, operation and control of wind-photovoltaic-storage hybrid systems.

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### Guest Editors

Prof. Dr. Zhi Yuan

Dr. Junru Chen

Dr. Zhao Zhen

Dr. Zaki Uddin

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### Deadline for manuscript submissions

closed (14 May 2024)



## Sustainability

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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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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