



Energy Storage Technologies for a Sustainable Future

Guest Editors:

Prof. Dr. Isaac Dyner

Department of Computer and Decision Sciences, National University of Colombia, Ave Cra 30 #45-3, Bogotá, Colombia

Dr. Dalia Patino-Echeverri

Nicholas School of the Environment, Duke University, Durham, NC 27708-0328, USA

Dr. Camila Ochoa

School of Engineering and Basic Sciences, EIA University, Calle 25 Sur 42-73, Envigado 055420, Colombia

Deadline for manuscript submissions:

1 December 2024

Message from the Guest Editors

Dear Colleagues,

As the world transitions towards cleaner energy, energy storage plays a crucial role in providing flexibility, stabilising intermittent generation resources, improving grid stability, and alleviating transmission congestion. Therefore, this Special Issue aims to compile innovative research on challenges and opportunities in energy storage. We welcome papers focusing on market mechanisms, regulation, strategic behaviour, and the operation of storage systems including batteries, hydrogen, hydro reservoirs, and pumped storage, among other technologies. Authors are encouraged to explore market integration and operational strategies for both large-scale and distributed storage systems, either in combination with non-dispatchable generation or as stand-alone solutions, considering the social and economic aspects involved.





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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

Message from the Editor-in-Chief

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Sustainability Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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