Message from the Guest Editors

Dear Colleagues,

Energy storage is the key technology to achieve stable and consistent power delivery, and to address the challenges associated with modernizing the power grid. In the meantime, energy storage systems (ESSs) have also been playing a key role in end-user electrification. This is evident from the proactive penetration of battery-powered electrical vehicles (EVs) in pursuit of an efficient and low-carbon society.

This vision has driven intensive studies on the development of advanced ESSs that combine performance and cost merits, while suitable management and control strategies are pivotal to enhance the overall safety, reliability, and cost efficiency. The Special Issue, therefore, seeks to contribute to the energy storage agenda through enhanced scientific knowledge related to intelligent management, control, power electronics, and novel ESSs with application in a wide range of fields like EVs, power grids, distributed generation, etc.

Prof. Dr. King Jet Tseng
Dr. Zhongbao Wei
Dr. Jianwei Li
Dr. Hao Mu
Assoc. Prof. Dr. Rui Xiong

Guest Editors
Editor-in-Chief

Prof. Dr. Enrico Sciubba
Room 32, Department of Mechanical and Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Contact Us

Energies
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland
Tel: +41 61 683 77 34
Fax: +41 61 302 89 18
www.mdpi.com
energies@mdpi.com
@energies_mdpi

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