Special Issue

Batteries-Based Power Generation Systems in Transportation

Message from the Guest Editor

Electrification in transportation is fundamental for reducing the massive amount of carbon emissions caused by this sector. Consequently, at present, the involved industrial and academic players are forced to face challenging issues related to the transition toward sustainable transportation systems. This Special Issue invites original research applications of batteries for powering light and heavy-duty vehicles, aircraft, ships, and construction equipment. Thus, the term "transportation" is used in a general way. Scientific papers should address issues related to active materials, numerical modeling, system integration, system and electrochemical device architectures (also considering hybrid power systems), thermal management, energy management, test protocols, diagnostic, and recharging infrastructures, particularly if these are based on renewable energy sources. In summary, research papers related to this 'dynamic' application are highly recommended for offering a comprehensive view of the green transition's biggest challenges. Moreover, the Special Issue also accepts reviews and articles on the state of the art.

Guest Editor

Dr. Orazio Barbera

Italian National Research Council (CNR), Department of Engineering, ICT and Technology for Energy and Transport (DIITET), Institute for Advanced Energy Technologies (ITAE), Via Salita S. Lucia sopra Contesse 5, 98126 Messina, Italy

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Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

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