Special Issue

Sustainable Transition in Transport Energy Consumption: The Charging/Discharging Infrastructure and Self-Containing Transport Energy System of New Energy Vehicles

Message from the Guest Editors

The aim of this Special Issue is to identify, address and disseminate state-of-the-art research works focusing on evaluating the merits of renewable energy carriers toward zero-carbon transportation-energy systems integration, especially in terms of typical applications.

We welcome submissions include (but not limited to) the following:

Renewable Energy Systems for the Transport Sector

- Power system planning, optimal load dispatch and scheduling
- Self-containing renewable energy system planning with road transportation
- System monitoring and assessment of the integrated network with renewable energy and electric vehicles

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Other Sustainable Techniques for the Transit of Transport Energy

- Wireless power transmission technology between electric vehicles and the power grid
- Sustainable solutions of communication, positioning and sensing for electric vehicles
- Form and adaptation mode of low-carbon-based polymorphic energy-transportation integration
- Methodologies for environmentally sustainable road/railway transportation applications

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Guest Editors

Prof. Dr. Ruifeng Shi



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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

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