

Special Issue

New Solutions for Sustainable Mobility Infrastructures and Grid Integration

Message from the Guest Editors

A large-scale transition to more sustainable mobility solutions is of undeniable urgency. Research and industry have been investigating different approaches to make this shift affordable over the last decades. Electric and hydrogen vehicles seem to be the most promising solutions that can address the necessary revolution of road transport. Nevertheless, economic and technological barriers are slowing down their widespread adoption. Among others, the development of suitable infrastructures for charging and/or refueling vehicles, as well as the integration with the existing road and energy infrastructures, represents a critical challenge. The aim of this Special Issue is to address the crucial challenge of integrating the new mobility infrastructure, consisting of e-vehicle charging stations and hydrogen refueling stations, with the existing road and energy networks.

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