

Special Issue

New Technology of Ultra-Fast Charging

Message from the Guest Editors

Owing to recent technological advancements, growing environmental concerns, and rising oils prices, there is an evolving paradigm shift in the transportation industry. The transportation industry, railroad industry, aircraft/aerospace industry, as well as sea/undersea industry, are moving rapidly towards concentrated system electrification. Electrified transportation provides the option of more efficient operation, more reliability, safety, and smartness. In addition, electric vehicles have higher performance and are more environmentally friendly than conventionally fueled vehicles. Further research on advanced electric transportation technologies is needed in order to push them to commercialization. This Special Issue is focused on electrified transportation, as well as its enabling technologies and related charging infrastructure. Enabling technologies include, power electronic converter topologies for AC/DC fast charging and ultra-fast charging.

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Deadline for manuscript submissions

closed (28 February 2019)



Applied Sciences

an Open Access Journal
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Impact Factor 2.5
CiteScore 5.5



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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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