Special Issue

Hydrogen in the Transport Sector

Message from the Guest Editors

Decarbonization of the global energy system is needed in order to mitigate climate change. Transportation is one of the most challenging sectors to decarbonize, as it is highly dependent on fossil fuels. Hydrogen can play an important role in reducing CO2 emissions in the transport sector, among others. This Special Issue focuses on technical, economic, institutional, and social aspects related to the deployment of hydrogen in the transport sector. Topics of interest include:

- Hydrogen fuel cell vehicles: testing, control, modeling, and simulation;
- Market development strategies;
- New materials as key enabling technologies for fuel cells;
- Breakthrough in heavy/light-duty vehicles;
- Hydrogen-based fuels for maritime and aviation applications;
- Hydrogen infrastructure, including storage, transportation, and refueling stations;
- Various forms of hydrogen storage and transport (e.g., liquid, compressed gas, LOHCs);
- User experience.

We look forward to receiving your contributions.

Guest Editors

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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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