



Recent Trends in Multi-Physics Simulation and Testing of New E-Mobility Technologies

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Message from the Guest Editors

Dear Colleagues,

The research of new technologies for improving the efficiency of e-mobility solutions has now become of crucial importance in order to address market scale-up within the automotive industry. Multiphysics simulation and testing tools are therefore key issues to accelerate the development of next-generation electric vehicles and related components. Research on e-mobility is multidisciplinary, involving, e.g., control systems, micro- and power electronics, computational electromagnetics, and mechanics.

The current Special Issue aims at addressing new trends in theory, practice, and applications of the most recent technologies for e-mobility systems. The topics of interest include but are not limited to:

- Multiphysics and integrated modeling;
- Smart sensors and energy harvesters;
- Dynamics and control of electric vehicles;
- Power supply and battery design;
- Wireless charging systems;
- Energy efficient powertrain design.





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Message from the Editor-in-Chief

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