# **Special Issue**

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

## Message from the Guest Editors

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, microand 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.

### **Guest Editors**

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## Deadline for manuscript submissions

closed (10 February 2022)



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## Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

#### Editor-in-Chief

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