# **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, 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.

### **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 guestedited by leading experts in selected topics of interest.

## Editor-in-Chief

Prof. Dr. Flavio Canavero Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

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