

Special Issue

Electric Vehicles Integration and Control in Smart Grids

Message from the Guest Editors

This Special Issue will address all aspects related to the integration of electric vehicles in smart grids, with a special focus on control and management aspects. The Special Issue welcomes original and innovative contributions regarding new models and methods, as well as real solutions and real-live experiences.

Submission Keywords: Advances in electric road systems

Autonomous EVs

Business models for EVs and their integration in smart grids

Charging infrastructure for EVs

Contactless charging stations and other innovative charging solutions for EVs

Demand response interfaces and control for electric mobility

Electric bus and trucks

EV coordination with other distributed energy resources

EV fleets and large-scale integration for V2G

EV flexibility and demand response programs for EVs

Home and building smart charging control devices

Integration of electric vehicles in energy communities and collective self-consumption

Light electric vehicles (LEV)

Robotized charging piles and parks with grid flexibility

Smart contracts for EVs

V2G, V2B, V2H, V2X

Guest Editors

Prof. Dr. Zita Vale

GECAD-Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development, Polytechnic of Porto (P.PORTO), P-4200-465 Porto, Portugal

Prof. Dr. João Soares

GECAD-Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development, LASI-Intelligent Systems Associate Laboratory, Polytechnic of Porto, 4200-072 Porto, Portugal

Dr. Hugo Morais

INESC-ID, Técnico Lisboa, Lisbon, Portugal

Deadline for manuscript submissions

closed (15 February 2023)



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Electronics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
electronics@mdpi.com

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About the Journal

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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