

## Special Issue

# Mentor Program: Communication, Control and Optimization for Extreme Fast Charging Stations

### Message from the Guest Editors

This Special Issue aims to bring together a collection of research articles on the architecture, control, and management of extreme fast-charging facilities. Within the scope of the extreme fast-charging infrastructure, the topics of interest include, but are not limited to, the following:

- Optimal planning of fast-charging infrastructure;
- Novel power converter topologies for fast charging stations;
- Techno-economic analysis for charging station infrastructure;
- Vehicle-to-grid (V2G) and vehicle-to-building applications;
- Grid impacts of megawatt-level charging infrastructure;
- Intelligent charging techniques to mitigate the adverse impacts of EV charging;
- Energy management within the charging stations;
- Communication for charging station infrastructure;
- Cybersecurity issues for EV grid integration.

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### Guest Editors

Dr. Preetham Goli

Prof. Dr. Wajiha Shireen

Dr. Cory Beard

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### Deadline for manuscript submissions

closed (25 October 2023)



## Electronics

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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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

Prof. Dr. Flavio Canavero

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