



## Wireless Power Transfer Modelling Methods and Related Applications

Guest Editors:

**Dr. Yubin Zhao**

School of Microelectronics  
Science and Technology, Sun  
Yat-Sen University, Zhuhai  
519082, China

**Dr. Yangping Zhao**

College of Civil and  
Transportation Engineering,  
Shenzhen University, Shenzhen  
518061, China

**Dr. Xiaofan Li**

School of Intelligent System  
Science and Engineering, Jinan  
University, Zhuhai 519070, China

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**closed (15 February 2024)**

### Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the Modelling theories, methods and platforms of WPT systems.

Topics of interest for publication include, but are not limited to:

- Equivalent circuit models of WPT;
- Electromagnetic field Modelling and simulations for inductive or magnetic resonance systems;
- Coil design and optimization models;
- Channel Modelling for microwave propagation of remote WPT systems;
- mmWave, Terahertz and reconfigurable intelligent surface (RIS) propagation Modelling for WPT;
- Optimization methods based on the WPT models;
- AI-based Modelling and related control methods;
- Communication Models of simultaneously wireless information and power transfer systems;
- Theoretical models of wireless powered localization network;
- New models for WPT IC design;
- Simulation software for WPT systems.

Look forward to your contributions.





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## Editor-in-Chief

### Prof. Dr. Flavio Canavero

Department of Electronics and  
Telecommunications,  
Politecnico di Torino, 10129  
Torino, Italy

## 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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*Electronics* Editorial Office  
MDPI, Grosspeteranlage 5  
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