

Special Issue

Power Line Communication Technologies for Smart Grids

Message from the Guest Editors

This Special Issue focuses on practical and industrial applications of power line communications, theoretical and practical aspects of communications theory, algorithms, channel and noise measurements, EMC, simulations and real implementations, evaluation from field trials and related experience, network planning, installation, operation and management, protocols, cybersecurity, standards and regulations pertaining to communications via power lines, and related topics. Topics of interest include but are not limited to:

- MIMO, modulation, coding and signal processing for PLC;
- Access, in-home and in-vehicle power line networks;
- Noise effects over PLC, channel characterization, modelling, emulation, and experimental systems;
- PLC standardization and regulation;
- Field trial evaluations and results;
- Broadband and multimedia applications;
- PLC for smart metering and distribution automation;
- PLC integration with electric grid assets;
- PLC integration with visible light communication;
- Network planning and optimization;
- Coexistence and interoperability;
- Cross-layer optimization and service integration;

Guest Editors

Dr. Fang Yang

Department of Electronic Engineering, Tsinghua University, Beijing 100084, China

Dr. Sicong Liu

Department of Information and Communication Engineering, Xiamen University, Xiamen 361005, China

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MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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