



Channel Estimation and Modulation

Guest Editors:

Prof. Dr. Jacek Izydorczyk

Institute of Electronics, Silesian
University of Technology,
Akademicka 2A, 44-100 Gliwice,
Poland

Prof. Dr. Jacek Piskorowski

Department of Electrical
Engineering, West Pomeranian
University of Technology, 70-313
Szczecin, Poland

Message from the Guest Editors

The area of wireless and mass MIMO communication systems has made impressive progress in recent years. This progress has been mainly due to the combination of high market demands and expectations and the availability of high processing capacity at an affordable price. The dramatic lack of free electromagnetic spectrum has led to innovations in modulation techniques, channel coding, channel identification algorithms, and approaches to improve the spectral efficiency of systems.

This Special Issue aims to collect the latest information from scientists in the following areas of scientific activity:

Deadline for manuscript
submissions:

closed (30 September 2021)

- Channel modeling, channel identification, and equalization
- Modulation-assisted blind channel identification
- Coded modulation
- Iterative identification of mobile OFDM channels
- Semi-blind channel estimation for MIMO systems
- Fractional-order system identification in mass MIMO systems
- Compressive sensing fading channels supported by deep learning
- Deep learning-based identification of the state of the MIMO channel





an Open Access Journal by MDPI

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [CAPus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Control and Systems Engineering*)

Contact Us

Electronics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/electronics
electronics@mdpi.com
[X@electronicsMDPI](#)