



Channel Estimation and Adaptive Modulation

Guest Editors:

Prof. Dr. José Antonio Cortés Arrabal

Departamento de Ingeniería de Comunicaciones, E.T.S.I. Telecomunicación, University of Málaga, Málaga, Spain

Prof. Dr. Eduardo Martos-Naya

Departamento de Ingeniería de Comunicaciones, E.T.S.I. Telecomunicación, University of Málaga, Málaga, Spain

Deadline for manuscript submissions:

closed (30 November 2021)

Message from the Guest Editors

Channel estimation (CS) and adaptive modulation (AM) are key physical layer techniques to enhance spectral efficiency over time/frequency/spatial variant channels while maintaining a target error rate.

At present, these tasks have to be performed in communication channels with a large variety of characteristics, which range from channel response sparsity, as in the upcoming fifth-generation (5G) millimeter-wave communications; extremely rapid channel response variations, as in underwater acoustic (UWA) and vehicle-to-everything (V2X) communications; and cyclostationary noise, as in power line communications (PLC), just to mention a few examples.

The diversity of system features and operation modes (e.g., massive MIMO and in-band full-duplex), receiver architectures (e.g., iterative architectures), network configurations (e.g., relay networks), and processing techniques (e.g., machine learning) have also widened the catalogue of CS and AM strategies and methods.

This Special Issue is aimed at collecting high-quality contributions addressing CS and AM problems in all communication scenarios.

Detailed information:

https://www.mdpi.com/journal/electronics/special_issues/CS_AM





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), CAPlus / SciFinder, Inspec, Ei Compendex 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](https://twitter.com/electronicsMDPI)