

Special Issue

Channel Estimation and Modulation

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:

- 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

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Deadline for manuscript submissions

closed (30 September 2021)



Electronics

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Impact Factor 2.6
CiteScore 6.1



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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 guestedited by leading experts in selected topics of interest.

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