

Special Issue

Enabling-5G

Message from the Guest Editors

The successful development of the fifth generation of wireless mobile communications will require disruptive technologies to fulfill unforeseen data rates, latency, and capacity, including, among others, network densification and virtualization, massive multiple input multiple output (MIMO), antenna beamforming, device-to-device communications, smart cells, and mitigation techniques. In this Special Issue, we are particularly interested in describing, defining, and quantifying the challenges related to 5G deployment. We are looking at contributions presenting open-research, solutions, tools, prototypes, and demonstrators that address all of the aspects of key 5G enabling wireless mobile technologies. Any other topics related to 5G research challenges are also welcome.

- Millimeter wave
- Radio channel modeling
- Antenna design
- Beamforming
- MIMO
- Beyond OFDM waveform design
- Spectrum sharing
- Non-orthogonal medium access techniques and protocols
- Full-duplex communications
- D2D, IoT, and M2M communications
- Software simulators
- Design tools
- Applications: Healthcare, vehicular communications, transport

Guest Editors

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Prof. Dr. Francisco Falcone

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Deadline for manuscript submissions

closed (10 January 2022)



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About the Journal

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.

Editor-in-Chief

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