Special Issue

Advances in Millimeter-Wave Cellular Networks

Message from the Guest Editors

This Special Issue will report on new advancements in millimeter-wave cellular networks that include, but are not limited to, the following topics:

- Novel application scenarios and key performance indicators (KPIs)
- Transceiver and antenna design
- Massive multiple-input multiple-output (MIMO) and beamforming schemes
- Mobility management approaches with emphasis on beam steering and tracking
- Medium access control (MAC) and radio resource management (RRM) protocol design
- Cooperative communications, e.g. relaying, D2D
- Dynamic cells and cell-free architecture
- Ultra-dense (UDN) networks
- Channel and transceiver hardware impairment models
- Reconfigurable intelligent surfaces
- Artificial intelligence (AI)-based approaches for system and network optimization
- Performance analysis, optimization, and information-theoretic limits
- Demonstrators and testbeds
- Optimization methods
- Internet of Things (IoT)
- Network planning
- Green network design
- Radio frequency (RF) energy harvesting approaches

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Deadline for manuscript submissions

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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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