

Special Issue

5G Front-End Transceivers

Message from the Guest Editors

The forthcoming next generation of mobile networks (5G) with the foreseen multi-Gbps high capacity (thousands of times greater than the present capacity) and massive IoT (billions of users), will influence the whole transmission system, with the start of new services and applications. Among the various blocks, the front-end transceiver will be updated and re-defined to cope with the new scenario. The present Special Issue is focused on presenting technical papers covering the various aspects of the front-end transceiver, designed to address the new requirements at the system and circuit levels. Advanced signal processing will complete but not limit the scope of the Special Issue.

- Power amplifier
- MIMO antenna systems
- Phased array
- LNA
- ADC up-conversion
- DDS
- DSP

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closed (30 November 2021)



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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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