Special Issue

Massive MIMO and mm-Wave Communications

Message from the Guest Editor

After a decade of intensive research, massive MIMO (mMIMO) systems that employ a very large number of antennas at the base station have become to be deployed in commercial 5G networks that mostly operate at microwave frequencies in the sub 6 GHz band. Massive MIMO promises several benefits in terms of spectral efficiency, energy efficiency, data-rates and link reliability. This Special Issue aims to highlight recent advances in modelling, design and implementation of mMIMO systems at mmWave frequencies. Prospective authors are invited to submit original contributions on both theoretical and practical issues, as well as on new services and future applications.

- 5G
- Wireless
- Modulation
- Beamforming
- Localization
- Energy efficiency
- Channel estimation
- MAC layer
- Fronthaul/backhaul
- Software Defined Radio

Guest Editor

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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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