Special Issue

Cell-Free Ultra Massive MIMO in 6G and Beyond Networks

Message from the Guest Editor

In recent years, multiple antenna technologies have received considerable attentio from both industry and academia, given that they can provide high coverage probability, spatial multiplexing, and macroscopic diversity. To provide ubiquitous wireless connectivity and achieve orders-of-magnitude improvements in these metrics, the new paradigm shifts away from the transitional massive multiple-input multiple-output (MIMO), cell-free ultra massive MIMO and intelligent reflecting surfaces (IRSs) at the physical layer are expected to achieve this goal.

The potential topics of submissions include, but are not limited to,

- channel modeling, characterization,
- signal processing and estimation for B5G/6G Ultra massive MIMOs,
- cell-free massive MIMOs,
- cloud-RAN cooperative cell-free massive schemes,
- wireless communications through reconfigurable intelligent surfaces,
- AI,
- deep learning,
- machine learning for wireless communications,
- performance analysis and simulations for integrated networks,
- information-theoretic aspects of wireless communications.

Guest Editor

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Deadline for manuscript submissions

closed (20 April 2022)

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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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