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

Guest Editor:

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Deadline for manuscript submissions:
closed (20 April 2022)

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 communicatio

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Message from the Editor-in-Chief

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