MIMO for Next Generation Wireless Systems

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Message from the Guest Editor

This Special Issue calls for recent advances related to massive MIMO technologies beyond 5G that cover signal processing, hardware and complexity optimization, traffic optimization management, distributed and centralized optimized processing architectures, security, and implementation aspects. Topics of interest in this Special Issue include, but are not limited to, the following:

Transmitter and receiver techniques for mMIMO;

- Low energy/hardware complexity implementations (analog/digital mMIMO, 1 bit DAC/ADC, NL amplifiers, etc.);
- Channel estimation in mMIMO;
- mMIMO techniques for cell-free mMIMO systems;
- mMIMO for energy harvesting;
- mMIMO large intelligent surfaces, reconfigurable intelligent surfaces, intelligent reflexive surfaces, etc.;
- Radio stripes;
- Machine learning and efficient distributed processing architectures and optimized resource allocation schemes;
- Network and traffic optimization for ultra-dense mMIMO;
- Physical security in mMIMO;
- Proof-of-concept (PoC) and trials.

Special Issue

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Message from the Editor-in-Chief

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