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# Advanced Massive MIMO Antenna Arrays, Metasurfaces and Reconfigurable Intelligent Surfaces for Sensing, Localization, and Wireless Communications

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# **Message from the Guest Editors**

This Special Issue is being launched with the aim of collecting recent research on advanced massive MIMO antenna arrays, metasurfaces and reconfigurable intelligent surfaces for sensing, location, and wireless communications.

Authors are kindly invited to submit their contributions to this Special Issue on topics including, but not limited to, the following:

- Innovative theories and approaches for large communication capacity;
- Massive MIMO antenna arrays;
- Metasurfaces;
- Reconfigurable intelligent surfaces;
- Smart environment;
- Beamforming technology;
- New theories and algorithms for accurate sensing and location;
- New applications of materials and new materials for wave manipulation

**Special**sue



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### Message from the Editor-in-Chief

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