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Communications and Sensing Technologies for the Future

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Message from the Guest Editors

The development and deployment of fifth genartion (5G) and sixth generation (6G) wireless communications networks will enable a highly connected world from land and sea to space. Communications between people, vehicles, objects, and sensors and the abilities of the new generation of sensors will enable a wondrous world. We will have pervasive situation awareness of our physical world and real-time data about our environment. We shall be able to make intelligent in situ decisions based on big and dynamic data.

A number of cutting-edge technologies are currently being developed around the world to enable future communications and sensing networks. These include advanced antennas, novel transmission schemes and network architectures, and signal processing for joint communications and sensing, just to name a few.

The Special Issue aims to report the lastest advances in technologies for future communications and sensing. It is expected that the Special Issue will facilitate new research activities and publications in those areas.

Keywords:

- future communications and sensing
- antennas
- signal processing
- joint communications and sensing

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Message from the Editor-in-Chief

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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