Special Issue

Signal Processing for Integrated Sensing and Communications

Message from the Guest Editors

Signal Processing for Integrated Sensing and Communications (ISACs) is an emerging area that combines communication and sensing functions within a single framework, sharing resources to optimize performance, cost, and efficiency. This integration leverages advanced signal processing techniques to enable simultaneous data transmission and environment sensing, which has applications in areas such as autonomous vehicles, smart cities, and wireless networks. By using shared signals and hardware, ISAC systems can improve spectral efficiency and reduce latency, making them highly suitable for next-generation wireless technologies. For detailed information, please visit here.

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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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