

## Special Issue

# Integrated Sensing and Communications: Recent Advances and Challenges

### Message from the Guest Editors

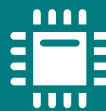
The ability to perceive and to communicate are two defining features of modern technology. From medical imaging and security monitoring to wireless networks that connect billions of people worldwide, sensing and communication have each shaped the way society operates. Today, as these two domains converge onto common hardware and spectral resources, we stand at the threshold of a new technological paradigm: Integrated Sensing and Communication (ISAC). Unlike traditional systems that treat sensing and communication as separate functions, ISAC enables them to coexist within the same framework, promising efficiency, versatility, and richer environmental awareness. The International Telecommunication Union has identified ISAC as a key component of 6G technology and next-generation networks. This Special Issue seeks contributions that address fundamental theories, practical implementations, and applied innovations in ISAC. We welcome studies that span electromagnetics, antennas, propagation, microwave systems, and signal processing, particularly those that present advances in sensing and imaging through integrated design. For detailed information, please visit [here](#).

### Guest Editors

Dr. Muhammad Arslan Usman  
Dr. Muhammad Rehan Usman  
Dr. Muhammad Azfar Yaqub

### Deadline for manuscript submissions

27 March 2026



## Sensors

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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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### Editor-in-Chief

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