

Special Issue

Mobile Positioning and Tracking Using Wireless Networks

Message from the Guest Editors

With the rapid advancement of wireless communication technologies and the growing need for precise location-based services, mobile positioning and tracking have become pivotal research domains. This Special Issue seeks innovative contributions to address these challenges and explore novel solutions in mobile positioning and tracking using wireless networks. Suggested themes include but are not limited to the following:

- Positioning and tracking in high-frequency communication bands (e.g., mmWave, THz, and lightwaves).
- Theoretical limits of positioning accuracy across different frequency ranges.
- Integration of ISAC and RIS technologies for advanced localization.
- AI-driven optimization methods for wireless positioning and tracking.
- Novel localization techniques for 5G/6G and beyond.
- Energy-efficient and scalable positioning systems for IoT.
- Security and privacy challenges in location-based services.
- Applications of wireless positioning in smart cities, healthcare, and autonomous systems.

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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