

Special Issue

Indoor Positioning Techniques

Message from the Guest Editors

Indoor positioning techniques (IPTs) are a strong enabler for various fields of applications, including location-based services, ambient assisted living, line traceability, simultaneous localization and mapping, telemanipulation, and Industry 4.0. As a result of the reduced effectiveness of Global Navigation Satellite Systems (GNSS) in indoor environments, several IPS techniques were developed over the years. The approaches mentioned in the literature include image recognition techniques, inertial measurements, and the measurement of specific parameters of different signals, including ultrasounds, radio frequency waves, or magnetic fields. Various parameters may be measured, such as the direction of arrival, time domain quantities, and received signal strength. This Special Issue targets novel research results for IPTs, focused mostly, but not exclusively, on sensor characteristics, node architecture and connectivity, design tradeoffs, positioning algorithms, and overall positioning and tracking performance.

- Indoor positioning
- Tracking
- Navigation
- Sensors
- Node and network architecture
- Sensor fusion
- Measurement principles
- Accuracy

Guest Editors

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Deadline for manuscript submissions

closed (10 July 2022)



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About the Journal

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.

Editor-in-Chief

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