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Advances in Pedestrian Positioning and Navigation Based on Ultra-Wideband Technology

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Deadline for manuscript submissions:
31 August 2024

Message from the Guest Editors

This Special Issue aims to explore the latest advances in the field of accurate positioning technologies, with a focus in particular on the use of ultra-wideband (UWB) technology. This Special Issue is committed to providing a comprehensive overview of innovative technologies, solutions, and applications, with a special focus on UWB positioning in smartphones.

For this Special Issue, we invite submissions that focus on several key themes, including, but not limited to, the following:

- The application of UWB technology in smartphones for precise positioning in various environments (indoor, outdoor, mixed) and conditions (static, dynamic).
- Evaluations of system parameters such as accuracy, coverage area, integrity, availability, and robustness in UWB-enabled devices. Analysis of multiuser positioning systems to assess scalability and performance in crowded environments.
- Technical challenges and solutions related to accessing raw data from smartphones, including range, signal strength, and angle of arrival.
- Case studies or experimental research that showcase the application of UWB technology in real-world scenarios.

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Message from the Editor-in-Chief

Remote Sensing is now a prominent international journal of repute in the world of remote sensing and spatial sciences, as a pioneer and pathfinder in open access format. It has highly accomplished global remote sensing scientists on the editorial board and a dedicated team of associate editors. The journal emphasizes quality and novelty and has a rigorous peer-review process. It is now one of the top remote sensing journals with a significant Impact Factor, and a goal to become the best journal in remote sensing in the coming years. I strongly recommend *Remote Sensing* for your best research publications for a fast dissemination of your research.

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