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Advanced Approaches for Indoor Localization and Navigation

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Message from the Guest Editor

Indoor localization has attracted enormous attention from both academia and industry, given the multitude of location-based services (LBS). Novel evolutions have been gaining increased attention, e.g., localization based on visible light signals, the availability of AoA and ToF data to enable hybrid RF approaches, 3D UAV indoor localization techniques, machine learning approaches, etc. It is expected that these ongoing research efforts will further support a widespread adoption of LBS, thanks to a higher accuracy and precision and a lower deployment cost.

This Special Issue aims to report high-quality research in recent advances in the indoor localization and navigation domain. Topics of interest include but are not limited to those covered by the keyword list below.

Keywords

- RF-based localization
- Hybrid localization techniques (RSS, AoA, ToF, etc.)
- IMU-supported localization
- RFID localization
- Device-free indoor localization
- Magnetic indoor localization
- Machine learning techniques for indoor localization
- Visible light positioning (VLP)
- Novel indoor UAV and AGV navigation techniques



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Special Issue



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Message from the Editor-in-Chief

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