

Special Issue

Recent Advancements in Indoor Positioning and Localization

Message from the Guest Editors

This Special Issue will focus on the publication of high-quality research articles and review papers that articulate recent advancements in indoor positioning and localization. Novel architectures, innovative algorithms, and intuitive models are deemed valuable; however, the articles with experimental results will be highly regarded and appreciated. Recent deep learning architectures and models which aim to enhance the localization accuracy are desired as well. Topics of interest include, but are not limited to, the following:

- Indoor positioning based on cellular networks with 4G and 5G;
- WLAN-based indoor positioning;
- Pedestrian dead reckoning systems;
- Magnetic-field-based positioning systems;
- Hybrid systems with sensor fusion models;
- Deep learning algorithms based on DNNs, CNNs, LSTMS, etc.;
- Advanced learning approaches for positioning;
- Deep learning architectures;
- Advanced models for user walk trajectory;
- Smartphone-sensors-based indoor positioning techniques;
- Recent developments in filtering approaches (e.g., KF, PF, EKF);
- Simultaneous localization and mapping for smartphone-based indoor positioning.

Guest Editors

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Prof. Dr. Soojung Hur

Deadline for manuscript submissions

closed (31 January 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

Prof. Dr. Flavio Canavero

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