

Special Issue

Advances in Intelligent Positioning Technology

Message from the Guest Editors

This Special Issue explores developments in precise and resilient localization for indoor and outdoor environments. With positioning crucial for autonomous systems, smart cities, and automation, intelligent solutions combining advanced sensing, communication, and AI are enabling seamless, adaptive, and context-aware navigation. We welcome research integrating technologies like GNSS, UWB, BLE, WiFi, LiDAR, vision, and inertial sensing to achieve robust performance in dynamic and GNSS-denied conditions. Contributions may address sensor fusion, cooperative positioning, environment mapping, learned localization strategies, and infrastructure-assisted methods. Key topics include multi-technology integration, AI- and data-driven enhancements, 5G/6G and edge computing for real-time localization, privacy and security in networked positioning systems, and scalable solutions for IoT environments. Studies advancing accuracy, continuity, and energy efficiency are also encouraged. This Special Issue aims to present innovative approaches that push the boundaries of intelligent positioning, enabling the next generation of connected, autonomous, and spatially aware systems.

Guest Editors

Dr. Cristiano Pendão

Professor Auxiliar

1. Department of Engineering, University of Trás-os-Montes and Alto Douro, Vila Real, Portugal

2. ALGORITMI Research Center, University of Minho, Guimarães, Portugal

Dr. Ivo Silva

Department of Informatics, University of Minho, 4704-553 Braga, Portugal

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Editorial Office

MDPI, Grosspeteranlage 5

4052 Basel, Switzerland

Tel: +41 61 683 77 34

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

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