



## Next Generation Indoor Positioning Systems

Guest Editors:

**Dr. Sven Casteleyn**

Geospatial Technologies  
Research Group (GEOTEC),  
Universitat Jaume I of Castellón,  
Castellón, Spain

**Dr. Aleksandr Ometov**

Faculty of Information  
Technology and Communication  
Sciences, Tampere University,  
Tampere, Finland

**Dr. Joaquín Torres-Sospedra**

Institute of New Imaging  
Technologies EspaiTec 2,  
Universitat Jaume I, Avda.  
Vicente Sos Baynat S/N, Castelló  
de la Plana, Spain

Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

The positioning of humans, robots, and electronic devices is quintessential for a myriad of modern applications. For over two decades, researchers have been exploring various technologies (e.g., WiFi, inertial measurement units, ultra-wideband, Bluetooth, 5G), techniques (e.g., received signal strength indicator, time of arrival/flight), and methods (e.g., pedestrian dead reckoning and fingerprinting-based methods), without a clear winning combination, even for similar scenarios/applications. This Special Issue solicits original research articles contributing to the state-of-the-art in indoor positioning systems, including novel conceptual and theoretical solutions, the validation and evaluation of new or existing systems, comparative studies, data sets, and practical applications of indoor positioning systems. Authors are encouraged to apply reproducibility practices, making the datasets, algorithms and programming code publicly available.

Topics of interest include but are not limited to:

- New technologies for indoor positioning systems (e.g., 5G, 6G);
- Robustness, deployability and cost of indoor positioning systems.





an Open Access Journal by MDPI

## Editor-in-Chief

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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)