



Concurrent Positioning, Mapping and Perception of Multi-source Data Fusion for Smart Applications

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Deadline for manuscript
submissions:

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Message from the Guest Editors

Established techniques conducted particularly either positioning (e.g., GNSS) or mapping (e.g., imagery). Advances in emerging sensors, miniaturized mobile platforms (e.g., robot), artificial intelligence methods (e.g., deep learning), and data fusion algorithms allow us to develop multi-source integrated technologies for positioning, mapping and spatial perception in concurrent approaches, which resolve localization of mobile platforms/objects, and simultaneously mapping and understanding the environment. Such concurrent techniques will enable a variety of mobile intelligent systems and applications

The Special Issue on “Concurrent Positioning, Mapping and Perception of Multi-Source Data Fusion for Smart Applications” accepts papers dealing with the following topics of interest (but is not limited to them):

- Ubiquitous positioning and localization across indoor and outdoor environments
- Mobile mapping and digitalization of indoor and outdoor spaces
- Intelligent spatial perception
- Simultaneous and reciprocal positioning, mapping and perception of indoor/outdoor environments
- Smart mobility systems and applications





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Message from the Editor-in-Chief

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