Special Issue

Multi-Sensor Positioning for Navigation in Smart Cities

Message from the Guest Editors

The mobility of people and goods plays an important role in the life, work and prosperity in smart cities. Particularly, the positioning in train stations or airports is of great importance to understand the needs and preferences of the passengers and their behavioral patterns. In outdoor scenarios, walking, cycling and e-scooters are sustainable mobility options that complement the public transport. These mobility options require a robust positioning to enable their frictionless coexistence with the motorized transport modes. Artificial Intelligence (AI) can provide a significant boost for understanding mobility behavioral patterns and for the protection of pedestrians, cyclists and e-scooters as well. For the use of AI in safety-critical applications, new methods of validation and training are required. The analysis of big data and the methods for data driven research should be used to gain high quality data dedicated to the training of AI for transport applications.

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