## **Special Issue**

## Navigation Systems Based on Artificial Neural Networks

## Message from the Guest Editors

Navigation systems play an important role in many applications. Typical examples include global navigation satellite systems (GNSSs), inertial navigation systems (INSs), GNSS/INS integration, comparative/terrain reference navigation, Wi-Fi/UWB/BLE, visual scene recognition, LiDAR simultaneous localization and mapping (SLAM), and visual SLAM, among others, for various outdoor and indoor applications. There are several challenges associated with existing navigation system designs. In navigation system designs, techniques have been developed for numerous challenges, such as the high dynamics scenarios, uncertainties posed by the system and measurement models, non-Gaussian distributed errors and noises. GNSS-denied/challenged environments, severe multipath interference/urban areas, etc.

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## Deadline for manuscript submissions

closed (20 July 2023)



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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 multidimensional network.

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