# Navigation Systems Based on Artificial Neural Networks

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## 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.

**Special** Issue

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## Message from the Editor-in-Chief

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