

Special Issue

New Advances in Indoor Navigation

Message from the Guest Editors

Contrary to outdoor environments, there is no overall solution based on a single technology for indoor navigation. A large variety of techniques and devices are used to provide indoor navigation, ranging from already deployed reconfigured devices to the use of smartphones. Lights, radio waves, magnetic fields, acoustic signals, and behavioral analytics can be used. The application of indoor navigation ranges from the navigation of persons and objects, such as to help visitors to find their destination in real time without deviations, to finding objects in complex building structures. Furthermore, systems must be able to define and adapt routes for different user groups, such as in the navigation of people with reduced mobility or visual impairment. This Special Issue aims to address these developments and provide insight into the related challenges and strategies for mitigation.

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Message from the Editor-in-Chief

Geomatics is the modern adaptation of traditional surveying, mapping, and their related skills. In geomatics, Information and Communication Technology (ICT) and digitization play a focal role. Geomatics is the discipline that integrates the tasks of gathering, storing, processing, modeling, analyzing, and delivering georeferenced information. Geomatics produces, validates, and represents georeferenced data that helps to provide services that meet the needs of society.

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