



Indoor Navigation in Smart Cities

Guest Editor:

Prof. Dr. Gianmario Motta

Università di Pavia, Pavia, Italy

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Message from the Guest Editor

Dear Colleagues,

A very evident application area in smart city research is indoor positioning and navigation. Indoor navigation requires specific technologies, since GPS becomes undependable and vague, and public information, like Google maps, is not available. Hence, potential applications should efficiently support a complete service life-cycle, which includes map creation, user positioning, path planning, fixed and moving obstacle avoidance, en-route assistance, etc. Further, potential apps should deal with a variety of indoor spaces, from home to public areas. In turn, potential technologies should encompass fixed and wearable sensors and classic and IOT networks. Finally, apps should serve both normal or disabled persons and interact appropriately.

Topics:

- Location-based services and applications
- Indoor maps and 3D building models
- Human motion monitoring and modeling
- Apps and technologies for disabled people
- Indoor navigation and tracking methods
- Self-contained sensors
- Wearable and multisensor systems
- Intelligent sensors and wireless sensors for smart cities
- Moving obstacle avoidance
- Building inspection and maintenance



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Prof. Dr. Gianmario Motta
Guest Editor

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School of Computer Science and
Software Engineering, University
of Wollongong, Northfields
Avenue, Wollongong, NSW 2522,
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