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September 11-13, 2012
Split, Croatia

Special Session on Recent Advances in the Field of Localization and Wireless Context-Awareness

Special Session Chair: Igor Arambasic
Universidad Politecnica de Madrid, Spain (igor@gaps.ssr.upm.es)

Call for Papers

Special Session on "Recent Advances in the Field of Localization and Wireless Context-Awareness" in the frame of the 20th International Conference on Software, Telecommunications and Computer Networks (SoftCOM 2012), technically co-sponsored by the IEEE Communication Society (ComSoc), will be held in Split on September 11-13, 2012.

The main goal of this special session is to address the most promising recent advances in wireless localization and wireless context-awareness techniques currently under investigation in the worldwide research community. These topics are clearly seen today as a major stake and enabling feature of future wireless networks enabling applications like context-based commercial services, optimal network adaptation (i.e. depending on the local deployment conditions or operating environments), assisted mobility or enhanced personal navigation in unknown environments, etc.

The scope includes (but is not strictly limited to) the following topics:

- Localization and Positioning
- Decentralized positioning algorithms
- Wireless and sensor based localization complementary to GNSS
- Location methods for indoor and densely populated urban areas
- Assisted and hybrid positioning
- Design of cognitive positioning architectures and algorithms
- Protocols and Architecture for Wireless Networks Radio Resource Management
- Environment characterization or mapping
- Anchor-less self-localization and tracking
- Mobility self-learning
- Radio Channel Measurements
- Radio Channel Modeling and Estimation
- Evaluation and benchmarking of positioning receivers and algorithms
- Verification, run-time calibration and testing of positioning devices
- Test platforms for location-based services

Authors are invited to submit their papers through the EDAS website at <http://www.fesb.hr/softcom>. Paper length should be 3-5 pages in two-column IEEE format.

Accepted papers will be published in the conference proceedings, and authors of selected best papers will be invited to submit an extended version of their manuscripts for publication in a special issue of the Journal of Communications Software and Systems (JCOMSS).

IMPORTANT DATES

Complete manuscript due	June 15, 2011
Notification of acceptance	July 30, 2011
Camera-ready manuscript	Sept. 1, 2011

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More information about the Conference including details on the submission process and authors kit is available on the website:

<http://www.fesb.hr/SoftCOM>

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