

ICL-GNSS 2016

International Conference on Localization and GNSS

Barcelona, Spain, 28–30 June 2016



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Deadlines:

Full paper submission: March 15, 2016
Special session proposal: March 15, 2016
Acceptance notification: April 20, 2016
Camera-ready papers: May 16, 2016

Organizers:

UAB Universitat Autònoma de Barcelona



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Reliable navigation and positioning are becoming imperative in more and more applications for safety-critical purposes, public services and consumer products. A robust and continuously available localization solution is needed regardless of the specific environment or specific platform. ICL-GNSS addresses the latest research on terrestrial and satellite-based positioning techniques to provide reliable, accurate and low latency position information. It aims at inspiring the development of new design, implementation, test and evaluation methodologies for positioning platforms. The conference will comprise technical sessions, poster sessions, invited keynotes and a best paper award. The conference strongly emphasizes a quick turn-around time and high quality of the published papers. We encourage prospective authors to submit original contributions in, but not limited to, the following topics:

Hardware and testing aspects:

- Antennas and RF front-end for GNSS receivers.
- Design, prototyping and testing of positioning devices.

Signal processing algorithms:

- Acquisition, tracking and navigation algorithms.
- Detection and mitigation techniques for adverse propagation conditions.
- Wireless and sensor-based localization.

Scientific applications:

- GNSS applications for remote sensing, iono sounding and space weather.
- Precise timing reference.

Security aspects :

- Security and privacy in joint communication and navigation systems.
- Authentication and privacy aspects of positioning.
- Spoofing countermeasures.

Emerging technologies:

- Cooperative and peer-to-peer positioning.
- Positioning based on signals-of-opportunity.
- Multi-GNSS receivers and emerging navigation satellite systems.
- Hybrid NAV/COM positioning.
- Cognitive positioning architectures.
- Positioning for autonomous systems.

Commercial applications:

- Location-based mobility models, services and applications.

Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases. We also invite proposals for special sessions from positioning or GNSS-related projects.

Paper submission:

Submitted papers must represent original material not currently under review in any other conference or journal, and not previously published. Papers should be four to six page long in the specified format. Papers can be submitted electronically through ConfTool (<http://www.conftool.pro/icl-gnss2016>). Papers should be submitted as PDF files prepared according to the IEEE two-column A4 format guidelines.

