



Call for Papers

Locating devices in indoor environments has become a key issue for many emerging location-based applications (LBA) in different fields. However, nowadays there is no overall and easy solution. Despite a large-scale deployment of such location systems is not available yet, this strategic topic is called to lead technological innovations of great impact on the daily activities of people in the coming years, in areas such as health and independent living, leisure, security, etc. Since the first edition, the Indoor Positioning and Indoor Navigation (IPIN) has been an excellent forum to bring together researchers, developers and service providers in positioning and indoor navigation. The 2021 edition will be held in Lloret de Mar, in Costa Brava, 75 km North from Barcelona (Spain).

Topics

- Algorithms for Wireless Sensor Networks
- Applications of Location Awareness & Context Detection
- Benchmarking, assessment, evaluation, standards
- Health and Wellness Applications
- Human Motion Monitoring and modeling
- Indoor maps, Indoor Spatial Data Model & Indoor Mobile Mapping, and 3D building models
- Indoor positioning, navigation and tracking methods
 - AoA, TOF, TDOA based localization
 - Cooperative, machine learning systems
 - Frameworks for Hybrid Positioning
 - Hybrid IMU Pedestrian Navigation & Foot Mounted Navigation
 - Magnetic field based methods
 - Mapping, SLAM
 - Optical Systems
 - RFID, radar, device-free systems
 - Routing in indoor environments
 - Signal Strength Based Methods, Fingerprinting
 - Ultrasound Systems
 - UWB
- Innovative Systems
- Location-based services and applications
- Privacy and security for ILS
- Robotics and UAV
- Seamless systems
 - High Sensitivity GNSS, Indoor GNSS, Pseudolites
 - RTK GNSS with handheld devices
 - Mitigating GNSS errors prior to moving indoors
 - Industrial Metrology & Geodetic Systems, iGPS
- Self-contained sensors
- User Requirements for location based systems
- Wearable and multi-sensor systems

Important Dates

- Special Session Proposal:
 - **21 March 2021**
- Tutorial Session Proposal:
 - **21 March 2021**
- New Paper Submission Deadline:
 - **31 May 2021**
- Notification of papers acceptance:
 - **17 June 2021**
- Camera-ready submission:
 - **31 July 2021**



ipin-conference.org/2021/

The event will take place in a hybrid format face-to-face and online. In case the sanitary situation does not allow any face-to-face event, the conference will take place completely online.