



CALL FOR WORK-IN-PROGRESS PAPERS

IPIN 2023 IS COMING SOON AND WE ARE REALLY HAPPY TO WELCOME YOU AT THIS FACE-TO-FACE EDITION!

IPIN solicits submission of high quality technical papers reporting original work not previously published, nor currently submitted for consideration elsewhere. Papers are submitted as Work-in-Progress (WiP) paper: between 5-16 single-column CEUR-WS format pages, for poster presentation.

Manuscripts are submitted according to the instructions for authors. Papers undergo a single-blind review process by at least two reviewers. Accepted WiP papers will be submitted to CEUR-WS.org, which is currently indexed by Scopus, Ei Compendex, and DBLP. Best papers are awarded during the conference.

TOPICS OF INTEREST INCLUDE

- AI-assisted localization (snapshot vs. recurrent) and sensor fusion (deep Kalman filter)
- Location awareness & context detection
- Augmented Reality & Virtual Reality applied to localization
- Benchmarking, assessment, evaluation, standards
- Data simulation & augmentation for AI-based systems
- Health & wellness applications
- Indoor maps, indoor geospatial data model, indoor mobile mapping & 3D building models
- Location-based services & applications
- Monitoring & modeling of human motion
- Indoor positioning, navigation & tracking methods
 - AI-based systems
 - Wireless sensor or cellular networks-based positioning
 - AoA-, TOA-, TOF-, TDOA-based localization
 - Channel Impulse Responses
 - Cooperative systems applied to localization
 - Fingerprinting
 - Hybrid IMU pedestrian navigation & foot mounted navigation
 - (Visual) Inertial Odometry
- Magnetic field-based methods, e.g., fingerprinting
- Multipath Component Analysis & Tracking
- Optical systems
- Inertial & hybrid systems
- Passive & active RFID, radar, device-free systems
- Routing in indoor environments
- RSSI (BLE & Wi-Fi) fingerprinting
- (Visual) Simultaneous Localization & Mapping (SLAM)
- Sound and Ultrasound systems
- 5G, 6G & UWB
- Privacy & security for ILS
- Satellite-based navigation
 - High Sensitivity GNSS, Indoor GNSS, Pseudolites
 - RTK GNSS with handheld devices
 - Mitigation of GNSS errors when switching indoors
 - Industrial metrology & geodetic systems, iGPS
- Smartphone-based positioning
- User requirements for location-based systems
- Wearable-based systems

The conference includes keynotes, tutorials & industry exhibitions.

Program Committee: Susanna Kaiser, German Aerospace Center (GER); Norbert Franke, Fraunhofer Institute for Integrated Circuits (GER); Christopher Mutschler, Fraunhofer Institute for Integrated Circuits (GER)

IMPORTANT DATES

Paper Submission:	04 June 2023
Notification of Papers Acceptance:	21 June 2023
Camera-ready submission:	31 July 2023

WE ARE LOOKING FORWARD TO WELCOME YOU AT IPIN 2023!