



## 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: **31 May 2023**  
Notification of Papers Acceptance: **21 June 2023**  
Camera-ready submission: **31 July 2023**

WE ARE LOOKING FORWARD TO WELCOME YOU AT IPIN 2023!