



## CALL FOR WCAL PAPERS

### WORKSHOP FOR COMPUTING & ADVANCED LOCALIZATION (WCAL) WILL BE CO-LOCATED WITH IPIN2026

The Workshop for Computing & Advanced Localization (WCAL) will be collocated with the 2025 IPIN conference. WCAL solicits submission of high-quality technical papers reporting original work not previously published, nor currently submitted for consideration elsewhere. Papers are submitted as Workshop paper: limited to 5-9 single-column CEUR-WS format pages (including references), for poster presentation. Please note submit papers outside of the page range. Manuscripts are submitted according to the instructions for authors. Papers undergo a single-blind review process by at least two reviewers.

Accepted WCAL papers will be submitted to CEUR-WS.org, which is currently indexed by Scopus, Ei Compendex and DBLP. Note that proceedings will be submitted for publication in CEUR-WS.org, but the IPIN Conference cannot guarantee inclusion in their library or indexing. The conference emphasizes open science practices, which will be positively received during the review process.

### TOPICS OF INTEREST INCLUDE, BUT ARE NOT LIMITED TO

- AI-assisted localization and sensor fusion
- Location awareness & context detection
- Augmented Reality & Virtual Reality applied to localization
- Benchmarking, assessment, evaluation, standards
- Data simulation & augmentation for AI 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
- 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
- User requirements for location-based systems
- Smartphone-based positioning
- 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
  - RSSI-based (e.g. BLE & Wi-Fi) fingerprinting
  - Hybrid IMU pedestrian navigation & foot mounted navigation
  - (Visual) Inertial Odometry
  - Magnetic field-based methods
  - Multipath Component Analysis & Tracking
  - Optical systems
  - Inertial & hybrid systems
  - Passive & active RFID, radar, device-free systems
  - Routing in indoor environments
  - (Visual) Simultaneous Localization & Mapping (SLAM)
  - Sound and Ultrasound systems
  - 5G, 6G & UWB

*The conference includes keynotes, tutorials & industry exhibitions.*

Workshop Program Committee Chairs: Lucie Klus, Tampere University, Finland; Pavel Pascacio, Gustave Eiffel University, France

### IMPORTANT DATES

Paper Submission (extended): **19 July 2026**  
Notification of Papers Acceptance: **09 August 2026**  
Camera-ready submission: **23 August 2026**

Conference webpage: [ipin-conference.org/2026/](https://ipin-conference.org/2026/)  
Submission page: [softconf.com/p/ipin2026/](https://softconf.com/p/ipin2026/)

**WE ARE LOOKING FORWARD TO  
WELCOME YOU AT IPIN 2026!**

