CALL FOR PAPERS

IPIN 2025 IS COMING SOON AND WE ARE REALLY HAPPY TO WELCOME YOU AT ITS 15th 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 regular paper: limited to 6 IEEE format pages (including references), for oral presentation. After acceptance and successful revision, a final paper may be up to 8 pages long. However, please note that for papers longer than 6 pages, additional page fees (per page) will apply at the time of registration and final submission of the paper. Please do not submit any paper with more than 6 pages for initial review. Manuscripts are submitted according to the instructions for authors. Papers undergo a single-blind review process by at least three reviewers. Accepted regular papers will be submitted to IEEE Xplore® Digital Library. Note that proceedings will be submitted for publication in IEEE Xplore® and indexing, but the IPIN Conference cannot guarantee inclusion in the IEEE Xplore® Digital Library or indexing, and IEEE cannot guarantee that entries will be included in any particular database. Best papers are awarded during the conference. 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 (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 o 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
  - 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.

Organizing Committee: *Jari Nurmi*, Tampere University, Finland; *Guohao Zhang*, The Hong Kong Polytechnic University, Hong Kong; *Elena Simona Lohan*, Tampere University, Finland; *Christopher Mutschler*, Fraunhofer Institute for Integrated Circuits, Germany; *Aleksandr Ometov*, Tampere University, Finland; *Lucie Klus*, Tampere University, Finland; *Joaquín Torres-Sospedra*, Universitat de València, Spain

IMPORTANT DATES

Paper Submission:	21 April 2025	Conference webpage: ipin-conference.org/2025/
Notification of Papers Acceptance:	16 June 2025	Submission page: softconf.com/p/ipin2025/
Camera-ready submission:	15 August 2025	

WE ARE LOOKING FORWARD TO WELCOME YOU AT IPIN 2025!