



IPIN 2017

8th International Conference on
Indoor Positioning & Indoor Navigation
September 18-21, 2017, Sapporo, Japan



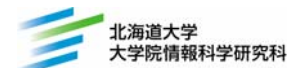
Recent information technologies including Internet of Things, big data and smartphones have accelerated connections between virtual and real worlds. One challenging and fundamental issue to be investigated in this cyber-physical society is related to technologies for locating persons, devices or items of interest. The International Conference on Indoor Positioning and Indoor Navigation (IPIN 2017) aims to bring together researchers and practitioners from academia and industry to discuss innovative positioning technologies, emerging location-based applications and services. The IPIN conference was launched in 2010 in Zurich, Switzerland. In 2017 the conference will come to Japan for the first time and be held in Sapporo, one of the most attractive sightseeing cities.

We encourage original submissions to different paper categories (full, short, poster and demo) related to, but not limited to, the following indoor positioning/navigation and location based system topics:

- User Requirements
- Hybrid IMU Pedestrian Navigation & Foot Mounted Navigation
- Human Motion Monitoring
- High Sensitivity GNSS, Indoor GNSS, Pseudolites
- RTK GNSS with handheld devices
- Mitigating GNSS errors prior to moving indoors
- Self - contained sensors
- Signal Strength Based Methods, Fingerprinting
- UWB (Ultra - wideband)
- Passive & Active RFID
- Optical Systems
- Ultrasound Systems
- TOF, TDOA based Localization
- Localization, Algorithms for Wireless Sensor Networks
- Frameworks for Hybrid Positioning
- Industrial Metrology & Geodetic Systems, iGPS
- Radar Systems
- Mapping, SLAM
- Indoor Spatial Data Model & Indoor Mobile Mapping
- Novel uses of maps and 3D building models
- Magnetic Localization
- Innovative Systems
- Location Privacy
- Applications of Location Awareness & Context Detection
- Health and Wellness Applications



Organizing institutions



School of Information Science &
Technology, Hokkaido University

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SAPPORO

Sapporo City

Supporting Institutions



GIS Association of Japan

Directions to Sapporo:

- From Asian countries (China, South Korea, Taiwan, Thai etc): direct flight to Sapporo (New Chitose) Airport.
- From the other countries: arrive at Tokyo International Airport (Narita/Haneda) or Kansai International Airport. Connecting flight to New Chitose Airport (1.5–2 hours).
- From the airport to downtown Sapporo: 37 minutes to Sapporo Station by Japan Railway or 60-70 minutes to hotels in downtown areas by bus .

Visit <http://www.ipin2017.org/> for more information



TECHNICAL PAPERS

Authors are invited to submit high-quality technical papers reporting original work, neither previously published nor currently submitted for consideration elsewhere. Authors can consider two types of submissions:

- Regular Papers (limited to 8 double - column pages and preferably for oral presentation)
- Work-in-Progress –WIP- (limited to 4 double- column pages, including oral or poster presentation)

Manuscripts must be submitted electronically in PDF format, according to the instructions published in the conference web site. Both kind of papers will follow a peer review process to decide acceptance. All the accepted papers will be included in the conference proceedings and regular papers presented at the conference will be also submitted to IEEE Digital Xplore. Best papers (general and presented by students) will be awarded during the conference.

For both types of papers, authors have the opportunity to send technically extended version of presented conference papers to [IEEE Transactions on Instrumentation and Measurement \(TIM\)](#). Please, see conference web page for details.

Important dates:

Type of submission	Due:	Acceptance notification:	Final manuscript:
Regular paper	April 30 - 2017	June 10- 2017	June 30 - 2017
Work-in-progress	June 16 - 2017	July 6 - 2017	July 16 - 2017

OTHER ACTIVITIES

During the conference, other activities are being organized including [Keynote Conferences](#), [Competitions & Exhibitions](#), [Industry Panel and Tutorials](#). Please, visit the conference web page for more information.

ORGANIZERS

Visit <http://www.ipin2017.org/> for more information