

Call For Papers

Special Session: Technologies related to positioning, navigation, and location-based services (LBS)

Conference: The 2022 International Conference on Cyber-physical Social Intelligence (ICCSI)

Date: October 21-24, 2022

Meeting mode: Hybrid

Location: Nanjing, China

Web site: <https://iccsi2022.agist.org>

Positioning has enormous influences on human's daily life. Fast and accurate location information acquisition becomes more and more important since more and more applications in our daily life involve location information. Location-Based-Services (LBS), which deliver information depending on the location of the mobile device and user, play a key role in this mobile information era. Recent years witnessed rapid advances in LBS with the continuous evolution of mobile devices and telecommunication technologies. LBS became more and more popular not only in citywide outdoor environment, but also in indoor environments such as shopping malls, museums, airports, big transport hubs, etc. The demands and potential of LBS compelled the researchers to pay more attention TO the technologies related to robust and high-precision positioning.

This special session concentrates on innovative and state-of-the-art solutions and techniques dealing with ubiquitous positioning, indoor navigation, location-based services, as well as technologies in related areas. It is expected to bring together the researchers in relevant areas to discuss the latest progress and propose new works.

Interested topics include (but not limited to):

- Auto-driving and positioning
- Positioning with wearable devices
- Emerging positioning sensors and technology
- Precise positioning technology in degraded environments
- Indoor positioning and mapping
- Wireless communication and positioning
- Inertial Navigation
- Theory and method for high-precision positioning and navigation
- AI-based positioning
- Smartphone ubiquitous navigation
- Beidou +5G positioning

Important Dates:

May 15, 2022,	Full paper submission
July 1, 2022,	Acceptance/Rejection notification
August 31, 2022,	Final camera-ready papers due

Special Session Co-chairs:

Associate Professor. Jianliang Zhu (Nanjing University of Science and Technology, China), email: zjl@njust.edu.cn

Professor. Panlong Wu (Nanjing University of Science and Technology, China), email: plwu@njust.edu.cn

Associate Professor. Kai Shen (Beijing Institute of Technology, China), email: kshen@bit.edu.cn

Professor. Yuwei Chen (Finish Geospatial Research Institute, Finland), email:
yuwei.chen@nls.fi

Associate Professor. Kunpeng He (Nankai University, China), email:
hekunpeng@nankai.edu.cn

All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above