International Workshop on Sensing and Communications 2022 (IWSC2022)

SCOPE

International Workshop on Sensing and Communications 2022 (IWSC2022) promotes the in-depth exploration of the most recent theory, applications, and development findings of Sensing and communications. IWSC2022 workshop will be held in conjunction with the 21th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (IEEE TrustCom2022) on October 2022 in Wuhan, China. This workshop welcomes the participation of the industry to showcase and commercialize their relevant technology and application as well as platform. Scientists, engineers, and students are encouraged to get involved. It is our aim to develop novel technologies for 5G/Satellite Communications/6G/Beidou integrated indoor/outdoor positioning/Wireless-based motion tracking.

TOPICS

- Integration of terrestrial and non-terrestrial (including satellite)
- Intelligent Resource allocation for B5G / 6G network
- AI for ultra-reliable and low-latency communication
- Non-linear wireless systems design and optimisation
- Joint digital signal processors and radio frequency design
- Wireless energy transmission technology
- High-accuracy radio positioning and sensing.
- Converged unicast/multicast/broadcast solutions and integrated geolocation
- Joint sensing and communications sensors, algorithms, and systems
- 5G/6G/Beidou integrated indoor/outdoor navigation
- Wireless-based motion tracking
- Ubiquitous sensing, positioning, and communication
- Robotic and unmanned system related sensing and communications

SUBMISSION GUIDE:

Papers should be written in English. Submitted papers must be original work, and may not be under consideration for another publication. The length of the paper is up to 6 pages (or 8 pages with over length charge). Paper should use IEEE Computer Society Proceedings Format (two columns, single-spaced, 10 fonts, with Portable Document Format (.pdf)). Each technical paper will be peer-to-peer reviewed by IWSC2022 TPC members. Papers, which are

accepted and presented at IWSC2022 Workshop, will be published in the IEEE TrustCom2022 proceedings and submitted for inclusion into EI indexing. For paper submission, please submit paper via IEEE Trustcom EDAS site https://edas.info/N29640 and then select Workshop-Sensing and Communications 2022; or via IWSC2022 EDAS site https://edas.info/newPaper.php?c=29640&track=112547

* For any questions or query towards IWSC2022, please send email to the workshop committee: huxin2016@bupt.edu.cn

WORKSHOP CO-CHAIRS:

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IMPORTANT DATES:

Submission deadline: 30 July 2022
Notification: 15 August 2022
Registration: 22 September 2022