



**4th West Asian Symposium on
Optical & Millimeter-Wave Wireless
Communications (WASOWC2022)
12-13 May 2022 - University of Tabriz, Tabriz, IRAN**



<https://wasowc2022.tabrizu.ac.ir>

CALL FOR PAPERS



The 4th West Asian Symposium on **Optical and Millimeter-Wave Wireless Communications (WASOWC2022)** will be hosted at the **University of Tabriz, Iran**. City of Tabriz with a population of 1.6 million is one of the historical capitals of Iran and the present provincial capital of East Azerbaijan, Iran. WASOWC2022 brings together researchers from academia and industry to discuss and share new research and developments in the field of optical & millimeter-wave wireless technologies within the context of the 5th and 6th generation and beyond wireless networks. As in the previous events, the 4th Symposium will also include workshops/tutorials, keynote/invited speakers, as well as oral presentation. If you wish to organise workshops/tutorials, please contact us and we would be very happy to assist.

Depending on the COVID-19 situation the event may be held in person/online, or just online. Further information on this will be announced on the WASOWC 2022 website.

All accepted and presented papers will be published in the IEEE Xplore.

Conference Topics

High quality and original technical contributions including but not limited to the following are welcome:

- All organic visible light communications (VLCs)
- Channel modelling, characterisation, and capacity analysis
- Diversity techniques, dimming, data communications and localisation in VLCs
- Free space optics (FSO), outdoor and underwater – Last meter to last mile
- Hybrid millimetre-wave (mmW)/THz/optical wireless communications (OWC)
- Hybrid IR/VLC technology
- Modelling of various noises in mmW/OWC systems
- Modulation, coding, and detection schemes
- Mobile-to-infrastructure and mobile-to-mobile communications
- Novel devices and components for OWC, mmW, and THz wireless technologies
- Machine learning and AI in OWC, mmW wireless systems
- OWC and mmW networks: architecture, PHY/MAC design, cross-layer design
- Applications of OWC (VLC, IR, FSO) and mmW for: Device-to-device communications, e-Health, e-Commerce, Intelligent transportation systems (e.g., vehicle-to-vehicle and vehicle-to-infrastructure communications, trains, aircrafts, etc.), underwater, indoor positioning, Inter and intra chip communications, Internet-of-things, medical, space, manufacturing, wireless sensor networks
- Next generation OWC and mmW networks
- OWC and mmW transceiver design and optimization
- Ultraviolet communications
- Massive MIMO for optical and mmW links
- Quantum communications and OWC
- Other

Important Dates

Paper submission: 15 Jan. 2022 Notification of acceptance: 25 March 2022 Submission of final papers: 10 April 2022

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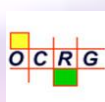
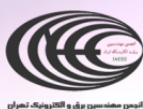
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