

# Call for Papers

## Wireless Optical Networks (WON) Symposium

*The 21<sup>st</sup> International Conference on Wireless Communications and Mobile Computing*

Website: <http://iwcmc.org/2025/>

Submission Link: <https://edas.info/newPaper.php?c=32919>

**Technically Sponsored by IEEE and IEEE UAE Section**

**May 12-16, 2025, Abu Dhabi, UAE**

### Chairs:

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### Scope

The Wireless Optical Networks (WON) Symposium is designed with the primary objective of assembling a diverse community of researchers, who are at the forefront of pushing the boundaries of knowledge in this domain, practitioners, who bring real-world insights and experiences, and industry experts, possessing a wealth of practical wisdom and market acumen. The overarching goal is to delve deep into the most recent advancements that have been achieved in the field of wireless optical communication, as well as to meticulously analyze and address the existing and emerging challenges. This symposium serves as a vibrant and dynamic platform, where the brightest minds can converge to exchange their innovative ideas, which might have been germinated through painstaking research efforts, and share their research findings, whether they are breakthrough discoveries or incremental yet significant improvements. By facilitating such interactions, it actively fosters collaborations among participants, forging new partnerships that have the potential to yield novel solutions and applications. Moreover, it plays a crucial role in promoting the overall development of WON technologies, by providing the necessary impetus and direction, and by creating an environment that nurtures the growth and evolution of this exciting field, thus paving the way for a more connected and technologically advanced future.

### Topics

Accepted papers will be published in the IEEE IWCMC 2025 proceedings and will be submitted to the IEEE digital library (IEEE Xplore). Authors are welcome to submit original papers (not published before and/or simultaneously to another venue) with topics that include but are not limited to:

- Optical Wireless Communication Systems and Architectures
- Free-Space Optics (FSO) and Visible Light Communication (VLC) Technologies
- Hybrid Optical Wireless Networks
- Channel Modeling and Characterization for Wireless Optical Channels
- Advanced Modulation and Coding Schemes for WON
- Optical Signal Processing in Wireless Optical Networks
- Multiple-Input Multiple-Output (MIMO) Techniques in WON
- Network Protocols and Resource Allocation for WON
- Applications and Services Enabled by WON
- Optical Wireless Sensor Networks

- Indoor and Outdoor WON Deployment and Implementation
- Security and Privacy in Wireless Optical Networks
- Performance Evaluation and Optimization of WON

Submitted papers are encouraged to address novel technical challenges or industrial and standard aspects of the key technologies related to the conference theme(s).

## **Important Dates**

Dates are the same as the main conference deadlines.

Note: Within this Symposium, there will be one Best Paper Award.