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2027 15th International Conference on Optical Wireless Communications

ICOWC 2027

May 21-23, 2027| Shenzhen, China



2027 15th International Conference on Optical Wireless Communications (ICOWC 2027) will be held during May 21-23, 2027 in Shenzhen, China. It's sponsored by Tsinghua University, China; ISA, and LiFi Committee; hosted by Tsinghua Shenzhen International Graduate School, China; co-hosted by Chongqing University, China; Southwest Jiaotong University, China; Technically co-sponsored by IEEE and IEEE Photonics Society.

Publication Support

Submitted papers will undergo peer review by the conference committee. Accepted papers with completed registration will be published in the ICOWC 2027 Conference Proceedings.
Authors of accepted papers will be invited to present their work at the conference. The conference has maintained an excellent publication and indexing track record over the years. We welcome your submissions!

Submission Instruction

1.Full paper: Presentation and Publication
2.Abstract: Presentation only
Submission System:
https://www.zmeeting.org/submission/icowc2027
Conference Proceeding Template:
https://www.icwoc.org/instruct8.5x11x2.doc
https://www.icwoc.org/ieee-latex-conference-template.zip (Latex)
Paper must be written in English, no less than 4 pages.

Important Dates

Submission Deadline -- January 10, 2027
Notification of Acceptance - February 10, 2027
Registration Deadline - February 25, 2027

General Program

Day 1, May 21, 2027: Pre-test; Onsite Sign-in & Registration
Day 2, May 22, 2027: Opening Ceremony; Plenary & Keynote & Invited Speeches
Day 3, May 23, 2027: Parallel Sessions

Call for Papers / Tracks

Track 1 Optical Wireless Communication and Networking

- Visible light communication and LiFi
- Optical camera communication
- Modulation, coding, and multiple access
- Optoelectronic devices and transceiver design
- Intelligent signal processing and system design

Track 2 Satellite, Space and Underwater Optical Communications

- Inter-satellite optical communication
- Satellite-ground optical communication
- UAV-based optical communication
- Underwater optical communication
- Air-water cross-interface optical communication

Track 3 Integrated Optical Wireless Systems

- Optical integrated sensing and communication
- Simultaneous lightwave information and power transfer
- Integrated lighting and optical communication
- Integrated display and optical communication
- Optical integrated communication, sensing, and power transfer

Track 4 Fiber-Optic Technologies

- Optical fiber communication
- Optical fiber sensing
- Radio-over-fiber systems
- Microwave photonics
- Fiber-based optical interconnection

.For more information, please go to: *https://www.icwoc.org/cfp.html*

Contact

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Website: https://www.icwoc.org

Sponsored by 清华大学 深圳国际研究生院 ISA LiFi

Hosted by 清华大学深圳国际研究生院 Tsinghua Shenzhen International Graduate School

Co-hosted by 重庆大学 CHONGQING UNIVERSITY 东南大学 SOUTHEAST UNIVERSITY 西南交通大学 Southwest Jiaotong University

Technically co-sponsored by IEEE Photonics Society

Patrons 国家级国际联合研究中心 现代交通通信与传感网络 光电融合集成与通信感知教育部重点实验室



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ICOWC 2027

2027年第15届光无线通信国际会议

2027年5月21-23日|中国·深圳

2027年第15届光无线通信国际会议（ICOWC 2027）将于2027年5月21-23日在中国深圳召开。本次会议由清华大学与国际半导体照明联盟（ISA）共同主办，清华大学深圳国际研究生院承办。本届 ICOWC 会议迎来第15届，见证了光无线通信领域的成长与发展。ICOWC 坚持举办年度学术盛会，为高校、产业界及科研院所的研究人员提供宝贵的交流平台，供大家交流学术观点、展示该快速发展领域的前沿研究成果。

诚邀您参加 ICOWC 2027会议，加入这个充满活力的国际学术社群，共同推动智能计算与无线光通信前沿技术发展。您的研究成果将助力塑造这类变革性技术的未来。我们热忱欢迎致力于突破技术创新边界的科研人员与行业专家踊跃投稿、参会。

论文出版支持

投稿文章将经过同行专家评审！录用且完成注册的文章，将收录于 ICOWC 2027 会议论文集。录用论文的作者将获邀参会并作报告。本会议多年来保持良好的出版与检索记录，欢迎各位踊跃投稿！

投稿方式

1.全文（作大会报告并发表）
2.摘要（仅作大会报告不发表）
投稿系统：*https://www.zmeeting.org/submission/icowc2027*
会议论文集模板：
https://www.icwoc.org/instruct8.5x11x2.doc
https://www.icwoc.org/ieee-latex-conference-template.zip (Latex)
ICOWC 2027国际学术会议官方语言为英语，投稿者务必用英语撰写论文。文章不得少于4页。

重要日期

投稿截止时间：2027年1月10日
结果通知：2027年2月10日
注册截止：2027年2月25日

日程大纲

2027年5月21日：线上测试；现场签到及注册
2027年5月22日：开幕式；专家报告
2027年5月23日：作者汇报

征稿主题

专题1：光无线通信与组网

- 可见光通信与 LiFi
- 光学相机通信
- 调制、编码与多址接入
- 光电器件与收发机设计
- 智能信号处理与系统设计

专题2：卫星、空间与水下光通信

- 星间光通信
- 星地光通信
- 基于无人机的光通信
- 水下光通信
- 气水跨界面光通信

专题3：集成光无线系统

- 光集成感知与通信
- 光波信息与功率同步传输
- 照明与光通信一体化
- 显示与光通信一体化
- 通信、感知与能量传输一体化光集成

专题4：光纤技术

- 光纤通信
- 光纤传感
- 光载无线系统
- 微波光子学
- 光纤光互连

更多主题，请访问：*https://www.icwoc.org/cfp.html*

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