





# The 16th International Conference on Information Optics and Photonics (CIOP 2025)

 Aug. 10-14, 2025  Xi'an, China



| 6. Silicon Photonics for large-scale integration                             |  | Location: Avignon Room, 2F<br>August 11, 2025 |
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| <b>Presider: Yuqing Jiao, Technische Universiteit Eindhoven, Netherlands</b> |  |   |
| 14:00-14:30  | Integrated lithium niobate microwave and millimeter wave photonics (Keynote)<br>Cheng Wang, City University of Hong Kong, China  |   |
| 14:30-14:55  | Compact and Efficient Metamaterial-Enhanced Silicon Photonic Devices for Telecom and Datacom (Invited)<br>Winnie Ye, Carleton University, Canada   |   |
| 14:55-15:20  | Silicon Photonics for Co-Packaged Optics and Optical I/O (Invited)<br>Binhao Wang, Xi'an Institute of Optics and Precision Mechanics of CAS, China   |   |
| 15:20-15:45  | Si Photonic Ring-Resonator-Based WDM Transceivers (Invited)<br>Woo-Young Choi, Yonsei University, South Korea  |   |
| 15:45-16:10  | Silicon Optical Phased Array for Wide-Angle Beam Steering (Invited)<br>Yaocheng Shi, Zhejiang University, China  |   |
| 16:10-16:35  | Silicon Photonics for Quantum Communications: Integrated QKD Systems and Next-Generation Network Prospects (Invited)<br>Xin Hua, National Information Optoelectronics Innovation Center, China |   |