

Room A (Grand Ballroom 1), 2F

Chair: Seung-Hyun Cho (ETRI)

Tu2A

June 30 (Tue), 2026

Optical Networks and Optical Wireless Communications

10:15-11:45

Tu2A-1

10:15-10:30

Do Vector Beams Outperform Scalar Beams in Reducing Scintillation Index?

Woohyeon Moon, Hoon Kim

Korea Advanced Institute of Science and Technology

Tu2A-2

10:30-10:45

First Demonstration of Token Communication in Photonic-Assisted Fiber-mmWave Systems

Yuan Wei¹, Yuqin Yuan¹, Yinjun Liu¹, Junhao Zhao¹, Haoyu Zhang¹, Boyu Dong¹, Chaoxu Chen¹, Fang Dong¹, Nan Chi¹, Jianyang Shi², Junwen Zhang¹

¹Fudan University, ²Zhangjiang Laboratory

Tu2A-3

10:45-11:00

Probabilistic Constellation Shaping for Optical Wireless Communication with SiPMs

Xiaohan Zhao, Cuiwei He, Brian Kurkoski

Japan Advanced Institute of Science and Technology

Tu2A-4

11:00-11:15

Real-Time THz Video Signal Optical Wireless Transmission System without Electrical Mixing

Zheng Wang, Zanzun Qiu, Xukai Ji, Mingkang Zhang, Feifei Yin, Yitang Dai, Kun Xu

Beijing University of Posts and Telecommunications

Tu2A-5

Invited

11:15-11:45

Demonstration of an LLM-Centric Optical Network Control and Management Plane

Cen Wang, Chenxiao Zhang, Yuta Wakayama, Takehiro Tsuritani

KDDI Research, Inc.