

Room C (Grand Ballroom 3), 2F

Chair: Ryo Koma (NTT, inc.)

Tu4C

June 30 (Tue), 2026

Next-Generation Coherent PON

15:00-16:30

Tu4C-1

15:00-15:15

Frequency-Offset Tolerant Burst-Mode Receiver for 200G Coherent PON Supporting 27 dB Dynamic Range

Jad Sarkis^{1,2}, Robert Palmer¹, Giuseppe Talli¹, Maxim Kuschnerov¹, Valter Ferrero², Roberto Gaudino²

¹Huawei Heisenberg Research Center, ²Politecnico di Torino

Tu4C-2

15:15-15:30

11-dB DC Leakage Tolerance Enhancement for 200G Coherent PON Upstream with Low-Complexity Block-Wise Adaptive Cancellation

Yutong Pan¹, Tianhong Zhang¹, Yixiao Zhu², Guangying Yang², Fan Zhang^{1,3}

¹Peking University, ²Shanghai Jiao Tong University, ³Peng Cheng Laboratory

Tu4C-3

15:30-15:45

Impact of Frequency Offset on Robust 200G Interleaved-DSCM Coherent PON

Adrian A. Juarez¹, Haipeng Zhang², Zhensheng Jia², Xin Chen¹, Ming-Jun Li¹

¹Corning Incorporated, ²Cable Television Laboratories, Inc.

Tu4C-4

15:45-16:00

Demonstration of 200-Gb/s Coherent-Lite PON with 45.2-dB Link Budget over AR-HCF

Chen Yang¹, Siyu Chen¹, Zheli Liu¹, Can Zhao¹, Hao Wen¹, Jun Wang¹, Mingming Zhang¹, Yuqi Li¹, Zihua Hu¹, Peng Li², Lei Zhang², Jie Luo², Lei Shi¹, Ming Tang¹

¹Huazhong University of Science and Technology, ²YOFC

Tu4C-5

Invited

16:00-16:30

Next-Generation Intelligent and Flexible Optical Access Network based on Coherent Optics

Junwen Zhang, Penghao Luo, Shouyun Cai, An Yan, Renle Zheng

Fudan University