

Room C (Grand Ballroom 3), 2F

Chair: Zhensheng Jia (CableLabs)

Tu2C

June 30 (Tue), 2026

Advanced Technologies for PON Evolution

10:15-11:45

Tu2C-1 Invited 10:15-10:45

Enabling Technologies and Signal Processing for Very High Speed PON

Ryo Koma, Jin Uchiyama, Kazutaka Hara, Jun-ichi Kani, Tatsuya Shimada
NTT, inc.

Tu2C-2 10:45-11:00

Adaptive Periodic Clustering for Time-Sensitive Flow Scheduling in Industrial TDM-PON

Xiang Zhou¹, Jin Li², Yonghan Wu¹, Yi Huang¹, Weixuan Fan¹, Dongxu Zhang¹, Mengxin Zhang¹, Danshi Wang¹, Min Zhang¹
¹Beijing University of Posts and Telecommunications, ²South China Normal University

Tu2C-3 11:00-11:15

SSB and DCPC Enabled 120-Gbaud Full C-Band PON for Direct-Detection Based VHSP

Kyungmin Woo, HanHyub Lee, HwanSeok Chung
Electronics and Telecommunications Research Institute

Tu2C-4 11:15-11:30

Experimental Demonstration of 23-dB Symmetrical 10G FTTR Using 2.5G Front End

Zhicheng Ye¹, Xuming Wu¹, Yuanqiu Luo², Frank Effenberger², Yang Lu¹, Dekun Liu¹, Yan Zeng¹
¹Huawei Technologies, ²Futurewei Technologies

Tu2C-5 11:30-11:45

Real-Valued Modulation and Single-Sideband Filtering for Heterodyne Detected PONs

Yi Che¹, Sunghyun Bae², Hoon Kim¹
¹Korea Advanced Institute of Science and Technology, ²Sejong University