

Room A (Grand Ballroom 1), 2F Chair: Songnian Fu (Guangdong University of Technology)

Mo2A

June 29 (Mon), 2026

Optical Sensing & Converged Systems

14:45-16:15

Mo2A-1 Invited 14:45-15:15

High-Speed and Intelligent Optical Access Networks: Advancing Coherent PON and Distributed Fiber Sensing Toward the Next-Generation Broadband Era

Zhensheng Jia
CableLabs

Mo2A-2 15:15-15:30

Integrated Unidirectional Forward Sensing and Communication over a Parallel HCF-SMF Link

Jiwei Xie, Yiwen Zhang, Zexu Liu, Weiqi Lu, Haojie Zhu, Puzhen Yuan, William Shieh
Westlake University

Mo2A-3 15:30-15:45

Rapid State-of-Polarization Change Point Detection via Minimum Lossy Coding Length

Shaobo Han, Ming-Fang Huang, Yue-Kai Huang, Philip N. Ji
NEC Laboratories America, Inc.

Mo2A-4 15:45-16:00

Field Trial of Urban Monitoring over Telecom Networks with Rayleigh-based DTSS

Jian Fang¹, Ming-Fang Huang¹, Scott Kotrla², Jeffrey A. Mundt², Yaowen Li¹, Jamie Lynn¹, Philip Ji¹, Shuji Murakami¹, Ting Wang¹

¹NEC Laboratories America, Inc., ²Verizon

Mo2A-5 16:00-16:15

A Low-cost Wavelength Selectable Distributed Vibration Sensor with a Unified Sensitivity for the Whole Route Security Monitoring in PONs

Yaowen Li¹, Benyuan Zhu², Jian Fang¹, Shuji Murakami¹, Philip N. Ji¹, Ting Wang¹, Paul S. Westbrook², Zhou Shi², Ken Feder²

¹NEC Labs America, ²Lightera Labs