

Room B (Grand Ballroom 2), 2F

Chair: Sanghoon Chin (CSEM)

Tu3B

June 30 (Tue), 2026

Emerging Fiber-Optic Techniques

13:15-14:45

Tu3B-1 Invited 13:15-13:45

AI-enhanced Data Analytics for Distributed Acoustic Sensing: Methods and Real-world Case Studies

Huioon Kim, Hyoyoung Jung, Donjung Lee, Young Ho Kim, Myoung Jin Kim
Korea Photonics Technology Institute

Tu3B-2 13:45-14:00

Integrated Vibration Sensing and Communication over Anti-Resonant Hollow-Core Fiber

Siyuan Liu^{1,2}, Jiarui Zhang¹, Yucong Liu², Mingqing Zuo², Dawei Ge², Peng Li³, Dong Wang², Lei Zhang³,
Dechao Zhang², Jie Luo³, Zhangyuan Chen¹
¹Peking University, ²China Mobile Research Institute, ³Yangtze Optical Fibre and Cable Joint Stock Limited
Company

Tu3B-3 14:00-14:15

Inter-Core Spontaneous Raman Scattering in Multi-Band Multi-Core Fiber Optical Systems

Jun Sakaguchi, Hideaki Furukawa
National Institute of Information and Communications Technology

Tu3B-4 Invited 14:15-14:45

Multicore Fiber and System Solutions for High-Capacity Submarine Cables

John D. Downie¹, Lidia Galdino², Pascal Pecci³, Jason Hurley¹, Sijing Liang⁴, Periklis Petropoulos⁴,
Yongmin Jung⁴
¹Corning Incorporated, ²Corning Optical Communications, ³Meta, ⁴University of Southampton