

Room B (Grand Ballroom 2), 2F

Chair: Fernandez-Ruiz Maria R. (University of Alcalá)

Mo1B

June 29 (Mon), 2026

Distributed Fiber-Optic Sensing I

13:00-14:30

Mo1B-1

13:00-13:15

Highly Integrated Interrogator for Distributed Acoustic Sensing

Zhicheng Jin¹, Jiageng Chen¹, Zhengwen Li¹, Hanzhao Li², Keke Hu², Xuhui Yu², Zuyuan He¹

¹Shanghai Jiao Tong University, ²Ningbo AllianStream Photonics Technology Co., Ltd.

Mo1B-2

13:15-13:30

Phase Noise Compensation with IQ Imbalance Correction for IM-based DAS

Zhicheng Jin¹, Jiageng Chen¹, Zhengyuan Xiao¹, Jiazhen Ji¹, Zhengwen Li¹, Hanzhao Li², Xuhui Yu², Zuyuan He¹

¹Shanghai Jiao Tong University, ²Ningbo AllianStream Photonics Technology Co., Ltd.

Mo1B-3

Invited

13:30-14:00

Harnessing Fiber Rayleigh Scattering: Unlocking Advanced Sensing and Novel Lasers

Yifei Qi, Yingqing Wu, Zinan Wang

University of Electronic Science and Technology of China

Mo1B-4

14:00-14:15

Multi-Fiber/Multi-DAS Array System with Clock-Free Synchronization

Wataru Kohno¹, Shuji Murakami², Noriyuki Tonami¹, Ting Wang²

¹Advanced Network Research Laboratories, NEC Corporation, ²NEC Laboratories America Inc.

Mo1B-5

14:15-14:30

Near-Field Acoustic Imaging Using Distributed Acoustic Sensing and Adaptive Beamforming

Sebastián San Martín¹, Felipe Mejías¹, Gonzalo Carrasco², Matías Zañartu^{1,2}, Marcelo A. Soto^{1,2}

¹Universidad Técnica Federico Santa María, ²Universidad Técnica Federico Santa María