

Room A (Grand Ballroom 1), 2F

Chair: Takuo Hiratani (Sumitomo Electric Industries, Ltd.)

We2A

Advanced Lasers

July 1 (Wed), 2026

13:15-14:45

We2A-1 Invited 13:15-13:45

Impact of Equalization-Enhanced Phase Noise on Tbps-Class Coherent Transceivers and Joint Optimization of Laser Phase Noise and DSP Compensation

Yo Nakamura, Tomoo Takahara, Shinsuke Tanaka, Hisao Nakashima
1Finity Inc.

We2A-2 13:45-14:00

High-Power (500 mW) Narrow-Linewidth (11.5 kHz) Distributed Feedback Laser

Hao Song^{1,2}, Huasong Linfang^{1,2}, Ruikang Zhang^{1,2}, Hao Wang^{1,2}, Dan Lu^{1,2}
¹Institute of Semiconductors, Chinese Academy of Sciences, ²University of Chinese Academy of Sciences

We2A-3 14:00-14:15

Full S-Band Tunable Laser with a Trident Tapered Coupler

Dongwei Zhuang, Quanxin Na, Qijie Xie, Chunyang Ma, Ningli Chen, Li Wang, Mengqi Wu, Xiaomin Nie, Zhixue He, Lei Wang
Peng Cheng Laboratory

We2A-4 14:15-14:30

Modulation Response of Photonic Crystal Lasers with Linear Dispersion

Christos Papapanos¹, Mariusz Drong¹, Md Ishfak Tahmid¹, Boubacar Kanté^{1,2}
¹University of California, Berkeley, ²Lawrence Berkeley National Laboratory

We2A-5 14:30-14:45

Demonstration of a Novel Built-in Channel Waveguide (BCW) Laser Emitting at 1300nm

Ika Novitasari¹, Alfred Albert¹, Zih-Jie Sun¹, Akihiko Kasukawa^{1,2}, San-Liang Lee¹
¹National Taiwan University of Science and Technology, ²Ministry of Education Taiwan