

Room F (Sicily), 2F

Chair: Yo Nakamura (Fujitsu)

We3F

July 1 (Wed), 2026

Coherent Communications & Novel Sources

15:00-16:30

We3F-1 Invited 15:00-15:30

Ultra-Compact Coherent Transmitters for NextGeneration Datacenter Interconnects

Erwan Weckenmann, Alireza Geravand, Jean-Michel Vallée, Farshid Shateri, Zibo Zheng, Simon Levasseur, Leslie A. Rusch, Wei Shi
Université Laval

We3F-2 15:30-15:45

Temperature Stabilization Technique for Si Micro-Ring-based Coherent QPSK Transmitter

oungkwan Jo^{1,2}, Yongjin Ji¹, Stefan Lischke³, Christian Mai³, Lars Zimmermann^{3,4}, Woo-Young Choi¹
¹Yonsei University, ²Electronics and Telecommunications Research Institute, ³IHP – Leibniz-Institut für innovative Mikroelektronik, ⁴Technische Universität Berlin

We3F-3 15:45-16:00

140-Gbaud Lumped-EML Submodule Using a Capacitive Wire-Bonding Pad and LC Resonance

Seok-Jun Yun^{1,2}, Young-Tak Han¹, Dong-Hoon Lee¹, Dong-Hyo Lee¹, Young-Kyu Choi¹, Hoon Kim², and Yongsoon Baek¹
¹Electronics and Telecommunications Research Institute, ²Korea Advanced Institute of Science and Technology

We3F-4 16:00-16:15

A Free-Space Optical Communication Link Enabled by Quantum Dot Comb Laser

Shujie Pan^{1,2}, Dingyi Wu³, Shihao Ding⁴, Junjie Yang², Xi Xiao³, Chao Zhao^{1,5}, Siming Chen^{1,5}
¹Chinese Academy of Sciences, ²HS Photonics Co., Ltd., ³National Information Optoelectronics Innovation Center, ⁴Shenzhen Technology University, ⁵University of Chinese Academy of Science

We3F-5 16:15-16:30

Lasing Characteristics of GaInAsP SCH-MQW High-Mesa LDs Grown on Hydrophilic Bonding InP/Si Substrate

Qiguang Jia, Zhehao Huang, Rong Le, Mizuki Holt, Koki Tominaga, Chaoke Ban, Ruiqi Zhang, Liang Zhao, Kazuhiko Shimomura
Sophia Universit