

Room F (Sicily), 2F

Chair: Chih-Hsien Cheng (NICT)

We2F

July 1 (Wed), 2026

Datacom & VCSELs

13:15-14:45

We2F-1

13:15-13:30

Integrated Wavelength Division Multiplexing Transmitter with Dispersion Pre-compensation

Weihan Wang, Ruitao Ma, Fei Huang, Mingyu Zhu, Aoyun Gao, Zexu Wang, Shujun Liu, Weike Zhao, Yiwei Xie, Zejie Yu, Daoxin Dai
Zhejiang University

We2F-2

13:30-13:45

3–300 K 850 nm VCSEL for Cryogenic Optical Interconnects with 128 Gbps PAM-4 at 3 K

Etina Zou¹, Zetai Liu², Min-Hsin Wu¹, Chung-Hsin Yu¹, Yun-Cheng Yang¹, Milton Feng², Chao-Hsin Wu¹
¹National Taiwan University, ²University of Illinois Urbana-Champaign

We2F-3

13:45-14:00

High-Bandwidth-Density 850 nm VCSEL Array for Terabit Optical Interconnects

Min-Hsin Wu, Etina Zou, I-Chi Liu, Yun-Cheng Yang, Chao-Hsin Wu
National Taiwan University

We2F-4

14:00-14:15

A 2- λ $\times$ 50-Gb/s PAM-4 Silicon Ring Resonator-Based WDM Optical Receiver

Jae-Ho Lee¹, Dong-Hyeon Kim¹, Yongjin Ji¹, Seung-Jae Yang¹, Hyun-Kyu Kim², Woo-Young Choi¹
¹Yonsei University, ²Samsung Electronics Co., Ltd.

We2F-5

Invited

14:15-14:45

Zn-Diffusion Single-Mode VCSELs at 850 and 1060 nm for High-Speed AI Interconnection

Jin-Wei Shi
National Central University