

Room C (Grand Ballroom 3), 2F

Chair: Yixiao Zhu (Shanghai Jiao Tong University)

Mo1C

June 29 (Mon), 2026

High-Speed Transmission for Data Center Networks

13:00-14:30

Mo1C-1

13:00-13:15

O-band Up-to-200GBd PAM Interconnects with a Broadband Packaged EO-equalizer-integrated TFLN Modulator

Paikun Zhu¹, Yuya Yamaguchi¹, Pham Tien Dat¹, Shingo Takano², Shotaro Hirata², Yu Kataoka², Junichiro Ichikawa², Tetsuya Fujino², Yuki Yoshida¹, Kouichi Akahane¹, Naokatsu Yamamoto¹, Atsushi Kanno^{3,1}, Tetsuya Kawanishi^{4,1}

¹NICT, Koganei, ²Sumitomo Osaka Cement Co. Ltd., Funabashi, ³Nagoya Institute of Technology, ⁴Waseda University,

Mo1C-2

13:15-13:30

Net 211 Gb/s Optical-Amplification-Free Transmission using a 1064 nm Lithium Niobate Mach Zehnder Modulator

Darja Cirjulina¹, Toms Salgals¹, Armands Ostrovskis^{1,2}, Hadrien Louchet², Michael Koenigsmann², Fabio Pittalà², Benjamin Krüger², Lu Zhang³, Xianbin Yu³, Richard Schatz⁴, Stefan Dahlfort⁵, Nicolas Grossard⁶, Robert Jahn², Kazuo Yamaguchi², Markus Gruen², Vjaceslavs Bobrovs¹, Xiaodan Pang^{1,3}, Oskars Ozolins¹

¹Riga Technical University, ²Keysight Technologies Deutschland GmbH, ³Zhejiang University, ⁴RISE Research Institutes of Sweden, ⁵Ericsson AB, ⁶Exail Photonics

Mo1C-3

13:30-13:45

Field Demonstration of 320-Gb/s Single-Sideband Coherent Optical Detection for Next-Generation DCIs

Xiaoying Zhang^{1,2}, Qi Wu², Haiqiang Wei², Chao Lu², Alan Pak Tao Lau², Jiahao Huo¹, Kangping Zhong²

¹University of Science and Technology Beijing, ²The Hong Kong Polytechnic University, Hong Kong

Mo1C-4

13:45-14:00

First Experimental Demonstration of 4-core MCF Transmission Using 800G FR4 Optics and MMC Connectors

Jason Hurley, Doug Butler, Xin Chen, Kevin Bennett, Clifford Sutton, Michael Famularo, Sergejs Makovejs
Corning Incorporated

Mo1C-5 Invited

14:00-14:30

Hollow Core Fiber based Data Center Interconnection

Songnian Fu, Cong Zhang, Yuwen Qin
Guangdong University of Technology