

Room A (Grand Ballroom 1), 2F

Chair: Sunghyun Bae (Sejong University)

Th1A

July 2 (Thu), 2026

Multiplexing: Space, Wavelength, and Subcarrier

08:30-10:00

Th1A-1 Invited 08:30-09:00

Reducing Energy Consumption of Amplified Links through Space-Division Multiplexing

Leif Katsuo Oxenløwe
Technical University of Denmark

Th1A-2 09:00-09:15

Real-Time 200km Repeater Length 800ZR+DWDM Transmission for AI-Driven DCI

B. Zhu¹, T. Geisler¹, P. I. Borel¹, M. Stegmaier¹, B. Palsdottir¹, P. Jenneve², H. Zhang²
¹Lightera Japan Co., Ltd, ²Cisco Systems

Th1A-3 09:15-09:30

Experimental OFDM Transmission Over MMF Under Launch-Offset-Dependent Modal Dispersion With Real-Time Equalization

Kanna Onda, Kazuhiko Tamesue, Nao Komatsu, Tetsuya Kawanishi
Waseda University

Th1A-4 09:30-09:45

Frequency-Domain Filtering with Fractional Oversampling and Integrated Sampling-Rate Conversion for MIMO Equalization in Coupled Multi-Core Fiber Transmission

Takahiro Odagawa, Manabu Arikawa, Kohei Hosokawa
NEC Corporation

Th1A-5 09:45-10:00

Pulse-Shape Design for Digital Subcarrier Systems in the Presence of Finite-Length Tx/Rx Filters, Quantization and Clipping Noise

Roya Gholamipourfard Amirhossein Ghazisaeidi
Nokia Bell Labs