Session Title: [Th1K] Modulation Format

Session Date: August 8 (Thu.), 2024
Session Time: 11:00–12:30
Session Room: Room K (204-205)
Session Chair(s): Prof. Hoon Kim (KAIST, Korea)

[Th1K-1] [Invited] 11:00–11:30
Advanced Modulation and Coding for Optical Communications
Junho Cho (Infinera Corp., USA)

[Th1K-2] 11:30–11:45
Endless Spatial Optical Phase Modulation by Complex Vector Synthesis Using LCoS
Seitaro Tani, Yuma Sato, Shun Harada, Zheqing Sun, Shuhei Otsuka, Tatsuki Ishijima, and Takahide Sakamoto (Tokyo Metropolitan Univ., Japan)

[Th1K-3] 11:45–12:00
Nonlinearity Mitigation with Comparing Probability Shaping–Based APSK and QAM in Visible Light Laser Communication System
Zhiteng Luo, Xianhao Lin, Wenqing Niu, Yingjun Zhou (Fudan Univ., China), Xiaolan Wang (Nanchang Univ., China), and Nan Chi (Fudan Univ., China)

[Th1K-4] 12:00–12:15
Bounds on the Receiver Sensitivity of PPM Signals Having Finite Extinction Ratios
Jihoon Lee and Hoon Kim (KAIST, Korea)

[Th1K-5] 12:15–12:30
Enhanced Pulse–Position Optical Modulation based on Optical Delay Interferometer for Satellite Optical Communication
Young–Jin Hyun, Hyemin Park, and Sang–Kook Han (Yonsei Univ., Korea)