

Room C (Grand Ballroom 3), 2F

Chair: Kenji Miyamoto
(NTT Access Network Service Systems Laboratories)

Th1C

Optical Wireless Communication

July 2 (Thu), 2026

08:30-10:00

Th1C-1

08:30-08:45

Real-time and Wide Field-of-View (FOV) Dual-Feedback Optical Tracking and Alignment System for Free-Space Optical Communications

Guo-Liang Shih¹, Chia-Yu Lee¹, Yuan-Zeng Lin¹, Yu-Han Lin¹, Yu-Heng Hong², Hao-Chung Kuo^{1,2}, Huang-Ming Chen¹, Chi-Wai Chow¹

¹National Yang Ming Chiao Tung University, ²Hon Hai Research Institute

Th1C-2

08:45-09:00

Aerial Mirror Relay for Low-Loss Underwater–Airborne Optical Communication

K. Kuwahara¹, H. Miyamoto¹, K. Ichinose¹, D. Kuzuhara¹, K. Maekawa¹, K. Tanaka², S. Hayashida², T. Kodama¹

¹Kagawa University, ²Sangikyo Corporation

Th1C-3

09:00-09:15

End-to-End Demonstration of Congestion-Free Real-Time Remote Control System with Traffic-Type-Aware Prediction

Yuka Okamoto, Naotaka Shibata, Kenji Miyamoto, Tomoya Hatano, Tatsuya Shimada
NTT, inc.

Th1C-4

09:15-09:30

Beamforming for Arrayed Waveguide Grating Router-Based Optical Wireless Communication

Yin-He Jian¹, Guo-Liang Shih¹, Chi-Wai Chow¹, Eduward Tangdionga²

¹National Yang Ming Chiao Tung University, ²Eindhoven University of Technology

Th1C-5

Invited

09:30-10:00

Photonic Integrated Transceivers for Broadband Optical Wireless Communication

Eduward Tangdionga
Eindhoven University of Technology