

Room D (Capri), 2F

Chair: Sang-Rok Moon (ETRI)

We2D

July 1 (Wed), 2026

Radio-over-Fiber and Optical Wireless Systems

13:15-14:45

We2D-1

13:15-13:30

216 Gbit/s, Polarization- Multiplexed Fully Coherent Optical and Wireless Transmission at 30 GHz for 6G RAN

Arata Watanabe, Yusei Sakuma, Tomoki Joichi, Keisuke Kasai, Toshihiko Hirooka, Masato Yoshida, Masataka Nakazawa
Tohoku University

We2D-2

13:30-13:45

1.5-Tb/s OWC Systems Employing High-Power EDFAs, Large-Aperture Receivers, and CPAs/FPAs

Wei-Zhi Jiang, Wei-Ting Huang, Chi-Hsiang Hsu, Yen-Chen Chen, Hai-Han Lu
National Taipei University of Technology

We2D-3

Invited

13:45-14:15

Towards Integrated Front-Ends for Radio-Over-Fiber Systems

Joonyoung Kim¹, Javier Perez Santacruz¹, Xin Yin², Gunther Roelkens³, Xavier Rottenberg¹, Dongjae Shin⁴
¹imec, ²imec-Ghent University, ³imec NL, ⁴imec-NL Holst Centre

We2D-4

14:15-14:30

Ceiling-Source-Free Indoor OWC with SOA Lumped Amplification

Takahiro Kodama¹, Mikolaj Wolny², Eduward Tangdiongga²
¹Kagawa University, ²Eindhoven University of Technology

We2D-5

14:30-14:45

A Tree Based 6G-RoF Architecture with Mutual Feeder Fiber Protection and Restoration

Po-Hong Tsai, Ching-Hung Chang, Zhen-Wei Wu, Wei-Che Yen
National Chiayi University