

<b>Session Title:</b>	<b>[Tu1K] Optical Networks</b>
<b>Session Date:</b>	<b>August 6 (Tue.), 2024</b>
<b>Session Time:</b>	<b>11:00-12:30</b>
<b>Session Room:</b>	<b>Room K (204-205)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[Tu1K-1] [Invited] 11:00-11:30**

**Computing Power-oriented Intelligent Optical Networking Technology**

Hui Yang, Tiankuo Yu, and Qiuyan Yao (Beijing Univ. of Posts and Telecommunications, China)

**[Tu1K-2] [Invited] 11:30-12:00**

**Broadband On-chip Light-matter Interface in Telecom Band**

Qiang Zhou, Xueying Zhang (Univ. of Electronic Science and Tech. of China, China), Bin Zhang (Shandong Univ., China), Hao Li, Lixing You (Shanghai Inst. of Microsystem and Information Tech., Chinese Academy of Sciences, China), Feng Chen (Shandong Univ., China), and Guangcan Guo (Univ. of Electronic Science and Tech. of China, China)

**[Tu1K-3] 12:00-12:15**

**Multi-Faults Location based on Knowledge Graphs and Gated Graph Neural Network in Optical Networks**

Xin Qin, Xia Gao (China Telecom Research Inst., China), Jing Wang (China Telecom Shandong Branch, China), Jie Liu (China Telecom Jiangsu Branch, China), Yinuo Wu (China Telecom Shandong Branch, China), Haoru Wang (China Telecom Jiangsu Branch, China), Fan Yang, Qian Hu (China Telecom Research Inst., China), Luming Liu, Di Liu, and Jiling Liu (China Telecom Shandong Branch, China)

**[Tu1K-4] 12:15-12:30**

**Optimization of Unrepeated Transmission using DCF Based Pre-Distortion and Optical Phase Conjugation**

Christian Koefoed Schou (Technical Univ. of Denmark, Denmark), Mark Pelusi, Ryosuke Matsumoto, Takashi Inoue, Shu Namiki (AIST, Japan), Smaranika Swain, Michael Galili, and Leif K. Oxenløwe (Technical Univ. of Denmark, Denmark)