



Session Title	Direct Detection vs. Coherent Detection for Short- and Intermediate-Haul Applications	Session Code	Workshop
Date and Time	July 2 (Mon.) / 14:00-17:00		
Place	Room C		
Organizer	Hoon Kim (KAIST, Korea) and Zhixin Liu (UCL, UK)		

[Workshop | -1] DD vs Coherent Detection for Short-Haul Applications

14:00-15:30

Session Chair : Hoon Kim (KAIST, Korea)

Direct- and Coherent-Detection Technologies for Datacenter Applications

Chongjin Xie
Alibaba, USA

What Can DD Do for Short Reach?

Tomoo Takahara
Fujitsu Laboratories Ltd., Japan

Stripped-Down Coherent Will Dominate Future Data Centers

Long Chen
Acacia Communications, USA

1 Terabit Ethernet based on Low-Cost Direct Detection Systems

Jinlong Wei
Huawei, Germany

Transforming Coherent Technologies for Short-Reach Applications

William Shieh
The Univ. of Melbourne, Australia

Advanced IM/DD-PAM Signaling for Short to Intermediate Reach Applications and Its Future Prospects

Nobuhiko Kikuchi
Hitachi, Japan

[Workshop | -2] DD vs Coherent Detection for Intermediate-Haul Applications

15:30-17:00

Session Chair : Zhixin Liu (UCL, UK)

Coherent detection and IMDD: where will they meet?

Chao Lu
Hong Kong Polytechnique, China

Technological considerations in deploying coherent detection systems for the future metro and access applications

Xiaodan Pang
Infinera, USA

Kramers-Kronig detection for metro optical transmission

Tianwai Bo
KAIST, Korea

Simplified coherent technologies for access networks

Sezer Erkilic
UCL, UK

Coherent path towards metro-access

Antonio Teixeira
Universidade Aveiro, Portugal