



Session Title	Optical Receivers	Session Code	4D4
Date and Time	July 4 (Wed.) / 16:00-17:30 (90')		
Place	Room D		
Session Chair	Tatsuro Hiraki (NTT Corp.)		

4D4-1 (Invited)

16:00-16:30 (30')

High-Performance Waveguide-Coupled Ge Photo Detectors for a Photonic BiCMOS Technology

Stefan Lischke, Dieter Knoll, Christian Mai, and Lars Zimmermann
IHP, Germany

4D4-2 (Invited)

16:30-17:00 (30')

CMOS-based Single-Photon Detectors: Technology and Applications

Myung-Jae Lee, Claudio Bruschini, and Edoardo Charbon
EPFL, Switzerland

4D4-3

17:00-17:15 (15')

Frequency Dependence of Negative Differential Capacitance in InP-Based Photodetectors with Wide Spectral Range

Xiaokai Ma, Yongqing Huang, Tao Liu, Xiaofeng Duan, Kai Liu, and Xiaomin Ren
Beijing Univ. of Posts and Telecommunications, China

4D4-4

17:15-17:30 (15')

2.8 μ m Infrared Photodetectors based on PbSe Colloidal Quantum Dot Films

M. Thambidurai¹, Youngjin Jang², Arthur Shapiro², Gao Yuan¹, Hu Xiaonan¹, Yu Xuechao¹, Qi Jie Wang¹,
Efrat Lifshitz¹, Hilmi Volkan Demir¹, and Cuong Dang¹
¹Nanyang Technological Univ., Singapore, ²Schulich Faculty of Chemistry, Israel