

Session Title	Short Reach Networks	Session Code	4A2
Date and Time	July 4 (Wed.) / 10:30-12:00 (90')		
Place	Room A		
Session Chair	Ampalavanapillai (Thas) Nirmalathas (The Univ. of Melbourne)		

4A2-1 (Invited)

10:30-11:00 (30')

Low-Complexity Digital Signal Processing Techniques to Enable Coherent Optical Systems for Metro and Access Networks

X. Pang^{1,3}, O. Ozolins², J. Rodrigo Navarro^{1,2}, A. Udalcovs², A. Kakkar¹, R. Lin¹, R. Schatz¹, M. Tang⁴, S. Fu⁴, D. Liu⁴, G. Jacobsen², S. Popov¹, and J. Chen¹

¹KTH Royal Inst. of Tech., Sweden, ²RISE Acreo AB, Sweden, ³Infinera, Sweden, ⁴Huazhong Univ. of Sci. and Tech., China

4A2-2 (Invited)

11:00-11:30 (30')

Application of Few-Mode Fibers for Optical Access Networks and Microwave Photonics

Juhao Li¹ and Guifang Li²

¹Peking Univ., China, ²Univ. of Central Florida, USA

4A2-3

11:30-11:45 (15')

Requirement of DML's Chirp Parameters for RoF-based Mobile Fronthaul Networks

Byung Gon Kim, Sung Hyun Bae, and Yun C. Chung
KAIST, Korea

4A2-4

11:45-12:00 (15')

First Demonstration of PAM4/PAM3-OCDM System for Optical Short-Reach Transmission

T. Kodama¹, T. Miyazaki¹, M. Hanawa¹, A. Maruta², N. Wada³, G. Cincotti⁴, and K. Kitayama⁵

¹Univ. of Yamanashi, Japan, ²Osaka Univ., Japan, ³Nat'l Inst. of Information and Communications Tech., Japan, ⁴Univ. Roma Tre, Italy, ⁵Graduate School for the Creation of New Photonics Industries, Japan