



Session Title	Nonlinear Transmission	Session Code	4B3
Date and Time	July 4 (Wed.) / 14:00-15:30 (90')		
Place	Room B		
Session Chair	Shaoliang Zhang (NEC Labs America)		

4B3-1 (Invited)

14:00-14:30 (30')

Propagation and Mutual Information of a Nonlinear Frequency Division Multiplexed Signal

Henning Buelow, Vahid Aref, and Son Thai Le
Nokia Bell Labs, Germany

4B3-2 (Invited)

14:30-15:00 (30')

Multi-Channel Fiber Nonlinearity Mitigation in Coherent DWDM Systems

Inwoong Kim, Olga Vassilieva, Paparao Palacharla, and Tadashi Ikeuchi
Fujitsu Laboratories of America, Inc., USA

4B3-3

15:00-15:15 (15')

Precoding for Dual Polarization Soliton Transmission

Alexander Span¹, Vahid Aref², Henning Buelow¹, and Stephan ten Brink¹
¹Univ. of Stuttgart, Germany, ²Nokia Bell Labs, Germany

4B3-4

15:15-15:30 (15')

Low-Complexity-Nonlinear Compensation Method using Phase Linear Approximation for 16QAM Signals

Shin TAKANO and Hiroyuki UENOHARA
Tokyo Inst. of Tech., Japan