

Room A (Grand Ballroom 1), 2F

Chair: Tomoyuki Kato (1Finity Corp.)

We1A

July 1 (Wed), 2026

PCS and FEC Coding Technologies

08:30-10:00

We1A-1 Invited 08:30-09:00

Probabilistic Constellation Shaping: From Point-to-Point Links to Networks

Joan M. Gené, Jordi Perelló

Universitat Politècnica de Catalunya · BarcelonaTech (UPC)

We1A-2 09:00-09:15

Demonstration of Effective Block-Wise MLSE Using Pilot Symbols under Duobinary Coding

Yukinobu Nakajima, Hiroki Taniguchi, Shuto Yamamoto, Masanori Nakamura, Etsushi Yamazaki

NTT Network Innovation Laboratories

We1A-3 09:15-09:30

Experimental Evaluation of BER Performance of Polar-Coded Offload Method for Reducing SD-FEC Decoder Complexity

Zhiyuan Song¹, Yohei Koganei², Koji Igarashi¹

¹The University of Osaka, ²1Finity Inc.

We1A-4 09:30-09:45

Complexity Reduction with Adaptive Chase-2 Decoding for SFEC Inner Code

Shuto Yamamoto, Shuto Sugawara, Etsushi Yamazaki

NTT Network Innovation Laboratories

We1A-5 09:45-10:00

Experimental Evaluation of Quantization and Clipping Effects on Rate-Optimized PCS Signals

Shuto Sugawara, Minami Takahashi, Shuto Yamamoto, Masanori Nakamura, Asuka Matsushita, Etsushi Yamazaki

NTT Network Innovation Laboratories