

Session Title:	[We3H] Applications of Photonic Signal Processing
Session Date:	August 7 (Wed.), 2024
Session Time:	15:45-17:15
Session Room:	Room H (117)
Session Chair(s)	Dr. Pham Tien Dat (Nat'l Inst. of Information and Communications Tech., Japan)

[We3H-1] [Invited] 15:45-16:15

Biomimetics in Photonic Systems

Mable P. Fok (Univ. of Georgia, USA)

[We3H-2] 16:15-16:30

A High-speed Stable Polarization Encoder for Quantum Key Distribution

Ju Li, Zexu Wang (Beijing Univ. of Posts and Telecommunications, China), Changlei Wang (China Academy of Electronics and Information Tech., China), Feifei Yin, Kun Xu (Beijing Univ. of Posts and Telecommunications, China), Huaxing Xu (China Academy of Electronics and Information Tech., China), and Yitang Dai (Beijing Univ. of Posts and Telecommunications, China)

[We3H-3] 16:30-16:45

Parallelization of Temporally Multiplexed Matrix Vector Multiplication with Rayleigh Backscattering in an Optical Fiber via Wavelength-division Multiplexing

Daichi Hitotsumatsu, Kaoru Minoshima, and Naoya Kuse (Tokushima Univ., Japan)

[We3H-4] 16:45-17:00

Highly Stable and Low-Phase-Noise Chirped Waveforms Generation Based on an Injection-Locked and Actively Stabilized Opto-Electronic Oscillator

Qianlong Zhang, Jiangyi Tong, Bin Wang, and Weifeng Zhang (Beijing Inst. of Tech., China)

[We3H-5] 17:00-17:15

Single-Wavelength Multi-Tap Time Delay Line over a Multimode Fibre Towards Microwave Photonic Filters

Shouju Liu, Yuanli Yue (Univ. of Kent, UK), Mingzhu Shi (Tianjin Normal Univ., China), Ailing Zhang (Tianjin Univ. of Tech., China), and Chao Wang (Univ. of Kent, UK)