

Session Title	Secure & Free-Space Communications	Session Code	5D1
Date and Time	July 5 (Thu.) / 08:30-10:00 (90')		
Place	Room D		
Session Chair	C. J. Youn (ETRI)		

5D1-1**08:30-08:45 (15')****Digital Coherent Detection with Decryption in PSK Y-00 Quantum Stream Cipher**

Ken Tanizawa and Fumio Futami
Tamagawa Univ., Japan

5 D1-2**08:45-09:00 (15')****Secure Communication using Anti-Correlated Noise from an ASE-Injected F-P LD**

Il-Pyeong Hwang¹, Myeonggyun Kye¹, and Chang-Hee Lee^{1,2}
¹KAIST, Korea, ²Chongqing Univ. of Tech., China

5 D1-3**09:00-09:15 (15')****Applying DFTs-OFDM to QAM-based Quantum Noise Stream Cipher Transmission**

Xiaokun Yang, Wei Wang, Cheng Xu, Kai Wang, Guangyu Gong, Yongli Zhao, Huibin Zhang, Guan Jun Gao, Xiaosong Yu, and Jie Zhang
Beijing Univ. of Posts and Telecommunications, China

5 D1-4**09:15-09:30 (15')****Link Availability of Terrestrial Free-Space Optical Communication Systems in Korea Estimated by using Macro-Meteorological Data**

Vuong V. Mai and Hoon Kim
KAIST, Korea

5 D1-5**09:30-09:45 (15')****Environmental Factor Impact to Free-Space Optical Bi-directional Transmission**

Shien-Kuei Liaw¹, Kuang-Yu Hsu², Jai-Ger Yeh¹, Yu-Ming Lin¹ and Yilin Yu¹, and Le-Minh Hoa³
¹Nat'l Taiwan Univ. of Sci. and Tech., Taiwan, ²Maven Optronics Inc., Taiwan, ³Northumbria Univ., UK

5D1-6**09:45-10:00 (15')****Link Availability of Airborne Free-Space Optical Communication Systems under Effect of Generalized Misalignment**

Vuong V. Mai and Hoon Kim
KAIST, Korea