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|---------------|-----------------------------------|--------------|-----|
| Session Title | Photonic Signal Processing 2      | Session Code | 4A1 |
| Date and Time | July 4 (Wed.) / 08:30-10:00 (90') |              |     |
| Place         | Room A                            |              |     |
| Session Chair | TBA                               |              |     |

#### 4A1-1 (Invited)

08:30-09:00 (30')

##### Ultra-Broadband THz Photonic Wireless Transmission

Xianbin Yu<sup>1</sup>, Shi Jia<sup>1</sup>, Hao Hu<sup>2</sup>, Michael Galili<sup>2</sup>, Toshio Morioka<sup>2</sup>, Peter U. Jepsen<sup>2</sup>, and Leif K. Oxenløwe<sup>2</sup>

<sup>1</sup>Zhejiang Univ., China, <sup>2</sup>Technical Univ. of Denmark, Denmark

#### 4A1-2 (Invited)

09:00-09:30 (30')

##### Fiber-Wireless Seamless Transport based on Radio over Fiber Technologies for 5G and beyond

Atsushi Kanno  
Nat'l Inst. of Information and Communications Tech., Japan

#### 4A1-3

09:30-09:45 (15')

##### Low Phase Noise X-Band Optoelectronic Oscillator Utilizing a Phase Locked Loop

Huanfa Peng, Rui Guo, Huayang Du, Yongchi Xu, Cheng Zhang, Jingbiao Chen, and Zhangyuan Chen  
Peking Univ., China

#### 4A1-4

09:45-10:00 (15')

##### Flight Demonstration of Power-Over-Fiber Drone for Airborne Base Stations

Ryo Yazawa and Motoharu Matsuura  
The Univ. of Electro-Communications, Japan