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|---------------|-----------------------------------|--------------|-----|
| Session Title | Silicon Photonics                 | Session Code | 3D1 |
| Date and Time | July 3 (Tue.) / 14:00-15:30 (90') |              |     |
| Place         | Room D                            |              |     |
| Session Chair | TBA                               |              |     |

### 3D1-1 (Invited)

14:00-14:30 (30')

#### Silicon Photonics Integrated Circuits for Telecom and Datacom Applications

Po Dong  
Nokia Bell Labs., USA

### 3D1-2 (Invited)

14:30-15:00 (30')

#### 3D Silicon Photonic-Electronic Integrated Circuits for Computing, Networking, and Imaging Applications

S. J. Ben Yoo  
Univ. of California, USA

### 3D1-3

15:00-15:15 (15')

#### Optofluidic Ring Resonator Laser with Biocompatible Liquid Gain Medium

Wonsuk Lee<sup>1</sup> and Dong Ki Yoon<sup>2</sup>  
<sup>1</sup>KIST, Korea, <sup>2</sup>KAIST, Korea

### 3D1-4

15:15-15:30 (15')

#### Graphene Quantum Dots for Emission Wavelength Tuning in OLEC

Zingway Pei<sup>1</sup>, Wei-Hung Chiang<sup>2</sup>, Dinesh Kumar<sup>1</sup>, Hong-Yu Shi<sup>1</sup>, and Jhih-Siang Yang<sup>2</sup>  
<sup>1</sup>Nat'l Chung Hsing Univ., Taiwan, <sup>2</sup>Nat'l Taiwan Univ. of Sci. and Tech., Taiwan