

<b>Session Title:</b>	<b>[We3A] Novel Fiber Devices II</b>
<b>Session Date:</b>	<b>August 7 (Wed.), 2024</b>
<b>Session Time:</b>	<b>15:45-17:15</b>
<b>Session Room:</b>	<b>Room A (102-103)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[We3A-1] [Invited] 15:45-16:15**

**Optimizing Laser Diode Integration with Hollow Core Fiber for Enhanced Efficiency**

Yongmin Jung, Jing Meng (Univ. of Southampton, UK), Kerriane Harrington (Univ. of Bath, UK), Hesham Sakr (Microsoft (Lumenity), UK), Ian A. Davidson, Sijing Liang, Gregory Jaison, Francesco Poletti (Univ. of Southampton, UK), and David J. Richardson (Microsoft (Lumenity), UK)

**[We3A-2] 16:15-16:30**

**Efficient Direct Interconnection Between 405 nm Laser Diode and Hollow Core Fiber**

Jing Meng, Sijing Liang, Ian A. Davidson, Gregory Jaison, Natalie Wheeler, Francesco Poletti, Lin Xu, David J. Richardson, and Yongmin Jung (Univ. of Southampton, UK)

**[We3A-3] 16:30-16:45**

**Poling-Free and Polarization-Independent Quasi-Phase Matching Using Radially Polarized Fiber**

Takuma Nakamura, Nobuaki Terakado, and Takumi Fujiwara (Tohoku Univ., Japan)

**[We3A-4] 16:45-17:00**

**Bicolour Pulse Encoding in a Polarization-Maintaining Laser by a Twistable Tapered-Fiber Lyot Filter**

Bowen Liu, Maolin Dai, Yifan Ma, Shinji Yamashita, and Sze Yun Set (The Univ. of Tokyo, Japan)

**[We3A-5] 17:00-17:15**

**Highly Sensitive Refractive Index Sensor based on In-fiber Optofluidic Fabry-Pérot Interferometer**

Wenyu Wang, Lingyi Xiong, Shaoxiang Duan, Bo Liu, Hao Zhang, Haifeng Liu, and Wei Lin (Nankai Univ., China)