

Session Title:	[We3A] Novel Fiber Devices II
Session Date:	August 7 (Wed.), 2024
Session Time:	15:45-17:15
Session Room:	Room A (102-103)
Session Chair(s)	Prof. Chang-Seok Kim (Pusan Nat'l Univ., Korea), Prof. Siddharth Ramachandran (Boston Univ., USA)

[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)