

Session Title:	[We1B] Microresonators and Microcombs I
Session Date:	August 7 (Wed.), 2024
Session Time:	09:00-10:30
Session Room:	Room B (104-106)
Session Chair(s)	Prof. Lei Shi (Huazhong Univ. of Science and Tech., China)

[We1B-1] [Invited] 09:00-09:30

Mode-Locking Induced by Exceptional Point Proximity in Coupled Microresonators

Takasumi Tanabe, Riku Imamura, and Shun Fujii (Keio Univ., Japan)

[We1B-2] 09:30-09:45

Accessing the Nonlinear Regime with Selectively Laser Etched high-Q Microresonators

Toby Bi (Max Planck Inst. for the Science of Light, Germany), Lara Beckmann (Fraunhofer Inst., Germany), Julian M. Thoms (Max Planck Inst. for the Science of Light, Germany), Max Wenk (Fraunhofer Inst., Germany), Shuangyou Zhang (Max Planck Inst. for the Science of Light, Germany), Martin Kratz (Fraunhofer Inst., Germany), and Pascal Del'Haye (Max Planck Inst. for the Science of Light, Germany)

[We1B-3] 09:45-10:00

Mechanical Actuation of Kerr Soliton Microcombs in Ultrahigh-Q Crystalline Microresonators

Shun Fujii, Koshiro Wada, Soma Kogure, Hajime Kumazaki, and Takasumi Tanabe (Keio Univ., Japan)

[We1B-4] 10:00-10:15

Generation of Kerr Soliton Frequency Comb in an On-Chip Microresonator Assisted by Raman Scattering

Dohyeong Kim, In Hwan Do, Daewon Suk, Dongin Jeong, Seokjoo Go, Kiyounng Ko (KAIST, Korea), Hyun-Gue Hong, Dai-Hyuk Yu, Jae Hoon Lee (KRISS, Korea), and Hansuek Lee (KAIST, Korea)

[We1B-5] 10:15-10:30

Observation of Collision Dynamics and Rogue Waves in Chaotic Kerr Microcombs

Kai-Xuan Zhu, Ze Wang (Peking Univ., China), Fang-Xing Zhang (Peking Univ. Yangtze Delta Inst. Of Optoelectronics, China), Qi-Huang Gong, and Qi-Fan Yang (Peking Univ., China)