

Session Title:	[Fr1H] Emerging Laser Technologies
Session Date:	August 9 (Fri.), 2024
Session Time:	09:00-10:30
Session Room:	Room H (117)
Session Chair(s)	Prof. Andy Chong (Pusan Nat'l Univ., Korea)

[Fr1H-1] 09:00-09:15

Sub-2 Cycle Pulse Compression of a 2mJ, 80W, 338fs Yb-laser

Maksym Ivanov, Marco Scaglia, Étienne Doiron, Pedram Abdolghader, Gabriel Tempea (Few-cycle Inc., Canada), François Légaré, Luca Razzari (Inst. Nat'l de la recherche scientifique, Canada), and Bruno E Schmidt (Few-cycle Inc., Canada)

[Fr1H-2] 09:15-09:30

Modulation Free All Optical Error Signal Generation for Divided Pulse Amplification

Haruyuki Miyake, Kazuki Yoshizawa (The Univ. of Electro-Communications, Japan), Henrik Tünnermann (Deutsches Elektronen-Synchrotron, Germany), and Akira Shirakawa (The Univ. of Electro-Communications, Japan)

[Fr1H-3] [Invited] 09:30-10:00

High-brightness Scalable Continuous-wave Single-mode Photonic-crystal Laser (PCSEL)

Susumu Noda (Kyoto Univ., Japan)

[Fr1H-4] 10:00-10:15

Utilizing FPGA-Generated Noise for Laser Phase Modulation to Achieve Linewidth Tuning

Chen Zheng, Yu Zhou (Waseda Univ., Japan), Keizo Inagaki (Nat'l Inst. of Information and Communications Tech., Japan), and Tetsuya Kawanishi (Waseda Univ., Japan)

[Fr1H-5] 10:15-10:30

Order Controllable Brillouin Laser in Diamond

Zhenxu Bai, Hui Chen, Boyuan Zhang, Xiaoyu Chang, Yulei Wang, and Zhiwei Lu (Hebei Univ. of Tech., China)