

<b>Session Title:</b>	<b>[Fr1H] Emerging Laser Technologies</b>
<b>Session Date:</b>	<b>August 9 (Fri.), 2024</b>
<b>Session Time:</b>	<b>09:00-10:30</b>
<b>Session Room:</b>	<b>Room H (117)</b>
<b>Session Chairs</b>	<b>TBA</b>

**[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)