

# One-day Symposium on Advanced Lasers and Applications

February 3rd (Tue), 2026

Auditorium, RCAST Bldg. 4, Komaba Research Campus, The University of Tokyo

Organized by Institute for Attosecond Laser Facility (I-ALFA), The University of Tokyo

Supported by Advanced Laser Innovation Center (ALICe), MEXT-QLEAP Program

‘Next generation laser’

## Program

10:00 – 10:10	<b>Opening Remarks</b> Kaoru Yamanouchi
10:10 – 10:30	Katsuya Oguri (NTT Corporation) “Ultrafast high-harmonic-based ARPES for excitonic Floquet dynamics”
10:30 – 11:00	<b>Plenary talk</b> Jens Limpert (Friedrich Schiller University Jena) “Power and energy scaling of nanosecond thulium-doped fiber lasers”
11:00 – 11:10	<b>Coffee break</b>
11:20 – 11:40	Muneo Sugiura (Tokai Optical Co., Ltd.) “Multilayer mirrors for ultrafast lasers in near- and mid-infrared regions and recent developments”
11:40 – 12:00	Reza Amani (The University of Tokyo) “Development of linearly polarized EY-doped fiber lasers and application to pumping Cr:ZnS”
12:00 – 13:00	<b>Lunch</b>

13:00 – 14:00	<b>Lab tour</b> (Mimura Laboratory and ALFA Prototype Facility)
14:00 – 14:20	Yohei Kobayashi (The University of Tokyo) “Integration of laser systems and deep learning”
14:20 – 14:40	Jiro Itatani (The University of Tokyo) “Development of a cryogenically cooled, CW-pumped Cr:ZnSe amplifier”
14:40 – 15:00	Takunori Taira (Institute for Molecular Science) “Extreme photonics based on tiny integrated laser”
15:00 – 15:15	<b>Coffee break</b>
15:20 – 15:40	Ryuji Itakura (National Institutes for Quantum Science and Technology) “Soft x-ray high harmonic generation beyond oxygen K-edge and application to measurement of x-ray absorption near edge structure”
15:40 – 16:00	Yasuo Nabekawa (RIKEN) “Generation of coherent attosecond pulse-train pairs and their applications”
16:00 – 16:20	Satoshi Ashihara (The University of Tokyo) “Mid-infrared short-pulsed laser technologies for advanced vibrational spectroscopy”
16:20 – 16:40	Shinichi Fukahori (The University of Tokyo) “Rotational excitation and ionization of H <sub>2</sub> O in an intense femtosecond laser field”
16:40 – 17:00	<b>Discussion</b>
17:00 – 17:10	<b>Closing Remarks</b>