

# ASILS7

## Program

### November 7 (Wed)

18:00 Welcome Reception at Sanjo Kaikan Hall

### November 8 (Thu)

9:00 Opening  
Kaoru Yamanouchi (U. Tokyo) and Katsumi Midorikawa (RIKEN)

9:10 - 11:10 **Session I: High power lasers I**  
Ken-ichi Ueda (UEC)  
"High power lasers, past and future"  
Zhiyi Wei (IOP, CAS)  
"Picosecond laser amplifier for pump high power femtosecond laser"  
Junji Kawanaka (Osaka U.)  
"Conceptual design and technological development of Sub-exa watt laser with kilo-joule pulse energy"

11:10 - 11:40 Coffee break

11:40 - 13:40 **Session II: High power lasers II**  
Tae Moon Jeong (APRI, GIST)  
"30-fs, 1.5 PW laser system and high field science"  
Koichi Yamakawa (JAEA)  
"Cryogenically-cooled Yb-doped solid-state laser technologies"  
Pham Hong Minh (IOP, VAST)  
"Diamond-cut Ce:LiCAF crystal as prospectively for side-pumped amplifier design for amplification of femtosecond ultraviolet pulses"

13:40 - 15:00 Lunch

15:00 - 16:20 **Session III: Frequency conversion and applications**  
Ruxin Li (SIOM)  
"Laser filament-based waveform-controlled THz sources"  
Kazutaka G. Nakamura (Tokyo Tech)  
"Coherent control quasiparticle wave packets in condensed matter"

16:20 - 18:30 Poster session

19:00 - (Dinner at nearby restaurants)

**November 9 (Fri)**

- 9:10 - 10:30      **Session IV: Atoms and molecules in laser fields**  
C. H. Raymond Ooi (U. Malaya)  
    "Photoionization spectra by intense lasers"  
Atsushi Iwasaki (U. Tokyo)  
    "Multiphoton ionization of He and Xe by high-order harmonic seeded intense FEL pulses"
- 10:30 - 11:00      Coffee break
- 11:00 - 13:00      **Session V: Laser plasma and applications**  
Yuji Fukuda (JAEA)  
    "Laser-driven ion acceleration using molecular cluster gas targets"  
Jyhpyng Wang (IAMS)  
    "Relativistic nonlinear optics in laser-plasma interaction"  
Dinh Van Trung (IOP, VAST)  
    "Development of flexible, low cost high power pulsed diode lasers for use in cloud and aerosol lidars"
- 13:00 - 14:00      Lunch
- 14:00 - 16:00      **Session VI: Ultrafast measurements**  
Reika Kanya (U. Tokyo)  
    "Observation of laser-assisted electron scattering in ultrashort intense laser fields and its applications"  
Eiji Takahashi (RIKEN)  
    "Energy scaling of isolated attosecond pulses"  
Chang Hee Nam (KAIST)  
    "Photoionization dynamics of He probed with attosecond high harmonics"
- 16:00 - 17:30      **Laboratory tour**  
Visit to laser facilities on Asano Campus
- 18:00 -              Banquet at Abreuvoir