

**International Symposium on Frontier of Terahertz Spectroscopy III—Next generation technology in THz frequency region and its application to THz sensitive spectroscopy and sensing –
Program**

Oct 22nd (Thu)

12:00~	Conference Reception
13:00~13:15	Opening Remarks (15min)
13:15~13:40	I-1 “Research Activities for THz Spectroscopy in Japan,” Masahiko Tani (Univ. Fukui) (25min)
13:40~14:20	I-2 “Broadband terahertz spectroscopic studies in National Tsing Hua University” Ci-Ling Pan (National Tsing Hua University) (40min)
14:20~15:00	I-3 “High precision spectroscopy of molecules and ions using a terahertz source based on the difference frequency of CO ₂ lasers,” Fusakazu Matsushima (Univ. Toyama) (40min)
15:00~15:20	Break (20min)
15:20~16:00	I-4 “Development and applications of high power THz sources in Karlsruhe” Manfred Thumm (Karlsruhe Research Center) (40min)
16:00~16:40	I-5 “Development of high frequency gyrotrons for high power terahertz technologies” Toshitaka Idehara (Univ Fukui) (40min)
16:40~17:00	Break (20min)
17:00~18:30	Poster Session (for odd numbered papers) (1h30min)
18:30~19:30	Lab tour for FIR-FU (1h)
19:30~21:00	Convivial party (1h30min)

Oct 23rd (Fri)

9:00~	Conference Reception
9:30~10:10	I-6 “Metamaterials in THz region,” Masanori Hnagyo (Osaka Univ) (40min)
10:10~10:50	I-7 “T PROBE : A new terahertz cancer diagnosis technique using nanoparticles” Joo-Hiuk Son (University of Seoul) (40min)
10:50~11:00	Break (10min)
11:00~12:30	Poster Session (for even numbered papers) (1h30min)
12:30~14:00	Lunch break (1h30min)
14:00~14:20	Prize-giving ceremony for Best Poser Awards for Students and Young Researchers (20min)
14:20~15:00	Short presentation by co-sponsored companies (40min)
15:00~15:40	I-8 “Highly- sensitive terahertz spectroscopy using the SIS mixer” Kyoungwan Oh (NTT) (40min)
15:40~16:00	Break (20min)
16:00~16:40	I-9 “Coherent frequency-domain THz spectrometer and its applications” Joseph R. Demers (Emcore Broadband THz and Advanced Photonics) (40min)
16:40~17:20	I-10 “Terahertz Time-Domain Spectroscopy (THz-TDS) Approach to the Quality Control on Pharmaceutical Products,” Yusuke Suzuki (ZENSEI Pharmaceutical Industries) (40min)
17:20~17:30	Closing Remarks (10min)