

4th International Workshop on Far-Infrared Technologies 2012 (IW-FIRT2012)

Poster presentations

No.	Name (Affiliation)	Title
P-1	M. Petelin (IAP, Russia; Guest prof. of FIR FU)	A Compact Derivation of the Relativistic Time-Coordinate Transform
P-2	N. Yamada (FIR FU)	Development of high power sub-THz pulse gyrotrons
P-3	M. Nishiura (NIFS)	Comparison of ion velocity distribution measured by collective Thomson scattering diagnostics with simulation
P-4	T. Tokuzawa (NIFS)	Developments of Pulsed Terahertz Wave Diagnostics for Nuclear Fusion Plasma Experiments
P-5	S. Ogasawara (Nagoya Univ.)	Suppression of Spurious Mode Radiation in High Power 77 GHz Gyrotron for Collective Thomson Scattering Measurement on LHD
P-6	M. Yamaguchi (Nagoya Univ.)	Terahertz wave reflection measurement with mental and physical stimulus
P-7	S. R. Tripathi (Nagoya Univ.)	Measurement of chloride ion concentration in concrete using terahertz waves
P-8	N. Yamada, K. Kamada (Kanazawa Univ.)	Planar Free Electron Maser using a Mildly Relativistic Electron Beam
P-9	Y. Soga (Kanazawa Univ.)	Development of Interdigital Backward-wave Oscillator for Compact THz Source
P-10	F. Kuwashima (Fukui Univ. of Tech.)	Generation of a wide range and stable THz wave by using a laser chaos
P-11	Wook-ki Park (KERI, Korea)	Demonstration of Gyrotron-Based Real-Time T-ray Imaging for Food Inspection
P-12	Y. Oishi (Otsuka Electronics Co.,Ltd)	THz Spectroscopic Image Processing for Extracting Multiple Samples
P-13	M. Kawase (Nagahama Inst. Bio-science and Tech.)	Application of Terahertz Absorption Spectroscopy to Medicine Management
P-14	K. Nakayama (Chubu Univ.)	GaAs Schottky Barrier Diode Detection in Short Wavelength FIR Region
P-15	K. Mizuno (Univ. Fukui)	THz TDS of weak intermolecular hydrogen bonds; Observations of C-H...O=C in self-associated complexes of propionaldehyde
P-16	S. Tsuji (Univ. Fukui)	Terahertz time-domain spectroscopy of liquid samples using parallel plate waveguides coupled with metallic V-groove
P-17	H. Iwasaki (Univ. Fukui)	Terahertz response of hollow plastic tube in parallel plate waveguide coupled with metallic V-groove
P-18	F. Matsushima (Toyama Univ.)	Terahertz spectroscopy of ionic molecules using Evenson-type light source and extended negative glow discharge cell
P-19	H. Nakajima (FIR FU)	Enhancement of Terahertz Emission from InSb and InAs Using Magnetic Field and Lens Coupler under 1.55- μ m fs-Laser Irradiation
P-20	T. Kinoshita (FIR FU)	Electro-Optic Sampling Detection of Terahertz Radiation with LiNbO ₃ Crystal in Cherenkov Phase Matching Scheme
P-21	S. Ishiyama (JAEA)	Highly Coalesced Quantum Beam Science and Technology on the Front Line of the Fight against Cancer
P-22	Y. Sakasegawa (Univ. Tokyo)	Suppression of high-field domains in semiconductor superlattices driven by intense sub-THz fields
P-23	T. Suehara (Univ. Tokyo)	Proposal of hidden photon search using sub-THz gyrotron
P-24	H. Aripin (Univ. Haluoleo), I.N. Sudiana (FIR FU)	Microwave (2.45 GHz)-Assisted Processing of Crystalline Silica Xerogel Powder derived from Sago Waste Ash
P-25	A. Fukuda (Hyogo Coll. Med.)	Dynamic nuclear spin polarization and spin diffusion in the quantum Hall system
P-26	Y. Fujii (FIR FU)	Development of double resonance system for observation of ³¹ P nuclear spin state in low concentration Si:P

Note

Poster presentations should be put up from 16:15 until 19:00 on 8 Mar. (The boards for posters are open from 16:00 until 20:00.)
The board size for each poster is 90 cm in width and 180 cm in height.