

Poster Session

Bioscience Building 2F (P-01 – P-36)

- PS-01 **Development of multimodal imaging with time-polarization tagging**
Tomoya Okino
Attosecond Science Research Team
- PS-02 **Nonlinear Fourier Transform Spectroscopy of Acetylene by Intense Attosecond Pulse Trains**
Takuya Matsubara
Attosecond Science Research Team
- PS-03 **MHz-order repetition rate Yb:YAG thin-disk ring oscillator pumped by 969nm ZPL for intracavity high harmonic generation**
Akihiro Tanabashi
Attosecond Science Research Team
- PS-04 **Stabilization of a Mach-Zehnder interferometer in the sub-cycle OPA system**
Yu-Chieh Lin
Attosecond Science Research Team
- PS-05 **Multi-TW a-few-cycle MIR laser system based on DC -OPA**
Lu Xu
Attosecond Science Research Team
- PS-06 **Generation of nJ-class coherent water window soft x-rays**
Kotaro Nishimura
Attosecond Science Research Team
- PS-07 **時空間集光顕微鏡における光軸方向の分解能向上**
Keisuke Isobe
Attosecond Science Research Team
- PS-08 **デジタルマイクロミラーデバイスを用いた多光子励起パターン照明**
Tomohiro Ishikawa
Attosecond Science Research Team
- PS-09 **Two-Dimensional Impulsive Stimulated Raman Spectroscopy for Visualizing Vibrational Coupling in Reactive Excited States**
Hikaru Kuramochi
Ultrafast Spectroscopy Research Team
- PS-10 **Vibrational spectral signatures of hydrated excess protons at the air/water interface observed by HD-VSFG spectroscopy**
Ahmed Mohammed
Ultrafast Spectroscopy Research Team
- PS-11 **Development of an Interferometric 2D Heterodyne-detected Vibrational Sum-frequency Generation Spectrometer for Investigation of Ultrafast Dynamics at Liquid Interfaces**
Woongmo Sung
Molecular Spectroscopy Laboratory
- PS-12 **Investigation of Metal-Metal Bond Formation in $K[Au(CN)_2]$ Large Oligomers Through Time-Resolved Impulsive Stimulated Raman Spectroscopy**

Li Liu

- PS-13 **Molecular Origin of the Multi-phasic Excited-state Relaxation Dynamics in the Primary Photoreaction of Microbial Rhodopsins**
Chun-Fu Chang
Molecular Spectroscopy Laboratory
- PS-14 **Determination of Magic Wavelength of Cd**
Atsushi Yamaguchi
Space-Time Engineering Research Team
- PS-15 **Transportable optical lattice clock**
Noriaki Ohmae
Space-Time Engineering Research Team
- PS-16 **Design of a continuously operated optical lattice clock with novel cooling schemes**
Andrew Hinton
Space-Time Engineering Research Team
- PS-17 **Continuous extraction of strontium atoms from a magneto-optical trap by state transfer**
Tadahiro Takahashi
Space-Time Engineering Research Team
- PS-18 **High extraction efficiency of cavity-enhanced light emission from individual carbon nanotubes**
Daiki Yamashita
Quantum Optoelectronics Research Team
- PS-19 **Formation of Color Centers in Air-Suspended Single-Walled Carbon Nanotubes**
Daichi Kozawa
Quantum Optoelectronics Research Team
- PS-20 **Molecular tuning of the optical properties in air-suspended carbon nanotubes**
Zhen Li
Quantum Optoelectronics Research Team
- PS-21 **Visualization of transmembrane cargo entry into the ERES in *S. cerevisiae***
Kazuo Kurokawa
Live Cell Super-Resolution Imaging Research Team
- PS-22 **The mechanism for capacity and quality control of Golgi cisterna**
Natsuko Jin
Live Cell Super-Resolution Imaging Research Team
- PS-23 **Development of the high-speed super-resolution optical microscope system and mathematical analysis**
Daisuke Miyashiro
Live Cell Super-Resolution Imaging Research Team
- PS-24 **A Novel Imaging of Secretory Pathway in Golgi Complex Visualizes Sorting Cargo Proteins in Mammalian Cell**
Wataru Yamamoto
Live Cell Super-Resolution Imaging Research Team
- PS-25 **超解像ライブイメージング顕微鏡の広視野化**

- Yasuhiro Kosugi
Live Cell Super-Resolution Imaging Research Team
- PS-26 **4D live cell imaging unveils cargo sorting zones of trans-Golgi network in Arabidopsis**
- Yutaro Shimizu
Live Cell Super-Resolution Imaging Research Team
- PS-27 **Detergent-free Scale: the clearing solution for lipid studies**
- Tetsushi Hoshida
Biotechnological Optics Research
- PS-28 **Whole-brain FRET imaging**
- Takayuki Michikawa
Biotechnological Optics Research
- PS-29 **Real-time imaging of NFκB activity in living cells by a fluorescent deqron probe**
- Masahiko Hirano
Biotechnological Optics Research
- PS-30 **Quantitative analysis of retinal thickness in high myopia based on medial axis transforms**
- Takashi Michikawa
Image Processing Research Team
- PS-31 **Glaucoma screening models using machine learning based on optical coherence tomography and color fundus images**
- Guangzhou An
Image Processing Research Team
- PS-32 **3D observation of steel microstructures using a desktop-sized 3D internal structure microscope**
- Norio Yamashita
Image Processing Research Team
- PS-33 共焦点 3 次元内部構造顕微鏡
- Hideo Hirukawa
Image Processing Research Team
- PS-34 **Development and Testing of a Compact Cutting Device Using Precision Cutting Method in a Scanning Electron Microscope**
- Yuji Nakade
Image Processing Research Team
- PS-35 **StillSuit: An Endoskeletal Robot Suit for The Biological Human Augmentations**
- Satoshi Oota
Image Processing Research Team
- PS-36 **Performance evaluation system for image processing methods: Sommelier**
- Satoko Takemoto
Image Processing Research Team
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- PS-37 **Raman going into sub-nanometer beyond ambient**
Norihiko Hayazawa
Innovative Photon Manipulation Research Team
- PS-38 **Structural and physical properties of water confined in nanospaces by plasmonics-nanofluidics hybrid device**
Thu Le
Innovative Photon Manipulation Research Team
- PS-39 **Sub-nanometer Resolution Near-Field Scanning Optical Microscopy in Ambient**
Maria Vanessa Balois
Innovative Photon Manipulation Research Team
- PS-40 **Polarization Sensitive 3D-Metamaterial with Multiple Infrared Light Absorption Peaks for optical sensing**
Bikas Ranjan
Innovative Photon Manipulation Research Team
- PS-41 直線偏光励起した球状金ナノ粒子からの円偏光放射
Shun Hashiyada
Innovative Photon Manipulation Research Team
- PS-42 **Cross-linked hierarchical superhigh-/low-frequency spatial femtosecond laser-induced periodic surface nanostructures**
Dongshi Zhang
Advanced Laser Processing Research Team
- PS-43 **Femtosecond Laser Direct Writing of Periodic Surface Nanotructure on Cu-Ag Double Layers for Surface Enhanced Raman Scattering**
Shi Bai
Advanced Laser Processing Research Team
- PS-44 **3D printing of proteinaceous microstructures**
Daniela Serien
Advanced Laser Processing Research Team
- PS-45 **Ablation characteristics of GHz burst mode femtosecond laser processing**
Kotaro Obata
Advanced Laser Processing Research Team
- PS-46 **Study of non-Drude type THz complex conductivity of hot carriers in photo-excited graphene using Boltzmann transport theory**
Masatsugu Yamashita
Terahertz Sensing and Imaging Research Team
- PS-47 **Development of Radar Imaging System in the Terahertz Region**
Yoshiaki Sasaki
Terahertz Sensing and Imaging Research Team
- PS-48 宇宙マイクロ波背景放射偏光観測用ミリ波望遠鏡の開発
Satoru Mima
Terahertz Sensing and Imaging Research Team
- PS-49 テラヘルツ光照射による生体内高分子への影響解析
Shota Yamazaki
Terahertz Sensing and Imaging Research Team

- PS-50 **Analysis of optical effects contribute to high-power THz generation in DAST crystal**
Isao Yoshimine
Terahertz Sensing and Imaging Research Team
- PS-51 **THz-OCT for infrastructure inspection and depth-resolution enhancement**
Homare Momiyama
Terahertz Sensing and Imaging Research Team
- PS-52 **Security screening system using terahertz-wave parametric sources**
Kouji Nawata
Tera-Photonics Research Team
- PS-53 **Backward terahertz parametric oscillator with injection seeding**
Yuma Takida
Tera-Photonics Research Team
- PS-54 **Gain predicted by NEGF method in terahertz quantum cascade lasers based on different semiconductors**
Li Wang
Terahertz Quantum Device Research Team
- PS-55 **Experimental and theoretical study of piezoelectric polarization in GaN/AlGaIn terahertz quantum cascade lasers**
Li Wang
Terahertz Quantum Device Research Team
- PS-56 **GaN/AlGaIn based THz-QCL taking into account an interface roughness scattering**
Joosun Yun
Quantum Optodevice Laboratory
- PS-57 **Progress on High-Efficiency AlGaIn-based UVB-LEDs for both Medical and Agricultural Applications**
Muhammad Ajmal Khan
Terahertz Quantum Device Research Team
- PS-58 **Optical control of muon toward fundamental measurement**
Norihito Saito
Photonics Control Technology Team
- PS-59 **High resolution and high repetition rate LIDAR for infrastructure maintenance**
Takeharu Murakami
Photonics Control Technology Team
- PS-60 光量子を用いた次世代農業技術の開発
Takayo Ogawa
Photonics Control Technology Team
- PS-61 **Thrust measurement of LASER abrasion for space application.**
Katuhiko Tsuno
Photonics Control Technology Team
- PS-62 **Solar utilization energy storage via water electrolysis and carbon dioxide reduction**
Katushi Fujii
Photonics Control Technology Team

- PS-63 **Development of Data Driven Manufacturing System**
Kiwamu Kase
Photonics Control Technology Team
- PS-64 **Development of photorefractive polymers toward a light signal processing through a scattering medium**
Takafumi Sassa
Photonics Control Technology Team
- PS-65 **NMR Measurement for Diagnosis of Mastitis in Dairy Cows**
Yusuke Tajima
Ultrahigh Precision Optics Technology Team
- PS-66 **Visualization of Flexoelectric Polarization in Nematic Liquid Crystals**
Koichiro Shirota
Ultrahigh Precision Optics Technology Team
- PS-67 **Development of optical components for the ultra high energy cosmic ray observation from space**
Yoshiyuki Takizawa
Ultrahigh Precision Optics Technology Team
- PS-68 **Agarose Gel Microcapsule: Picoliter-scale Reaction Chamber for Cultivation and Next-Generation DNA Sequencing**
Hiroyoshi Aoki
Ultrahigh Precision Optics Technology Team
- PS-69 **Novel high dispersion gratings for 8.2 m Subaru Telescope and TMT 6**
Noboru Ebizuka
Ultrahigh Precision Optics Technology Team
- PS-70 **Neutron diffraction with RANS for industrial "on-site" applications**
Masato Takamura
Neutron Beam Technology Team
- PS-71 **Development of a transportable compact neutron source with 200MHz and 500MHz LINAC**
Shota Ikeda
Neutron Beam Technology Team
- PS-72 **Quantitative measurement based on the thermal neutron imaging with RANS**
Takaoki Takanashi
Neutron Beam Technology Team
- PS-73 **Fast Neutron Imaging for Infrastructure Inspection on Site with RANS**
Maki Mizuta
Neutron Beam Technology Team
- PS-74 **RIKEN Accelerator-driven compact neutron source (RANS) and its applications, phase contrast and small angle scattering**
Atsushi Taketani
Neutron Beam Technology Team
- PS-75 **Experimental analysis of elements in bulky materials by using RANS pulsed neutrons, and development of polarized neutron beam at RANS**
Yasuo Wakabayashi
Neutron Beam Technology Team

