

November 15

No.	Name of presenting author Affiliation	Title of poster presentation
P2-01	Kazuhiro Kitamura Tokyo Institute of Technology	Shape Optimization of Nursing Care Support Device using Ti-Ni superelastic alloy
P2-02	Satoru Shibano Shizuoka University	Evaluation of ion sensor plate of high spatial resolution ion imaging system
P2-03	Ichiro Kawamura Tohoku University	Development of radiochromic materials based on photochromic dyes and leuco dyes for a 3D dosimeter
P2-04	Ichiro Mitsuhashi NARO	Production of genome editing enzymes for establishment of novel genome editing technology by direct protein introduction.
P2-05	Atsushi Nakamura Shizuoka University	Self-sensing actuator-sensor hybrid devices with carbon-based polymer composites
P2-06	Kiyohisa Nii Shizuoka University	Substrate structure optimization for high spatial resolution ion imaging with electron beam excitation
P2-07	Kohei Sakaida Shizuoka University	Evaluation by Laser Pulse for Band Structure Analysis of Schottky CdTe Radiation Detector
P2-08	Koki Isogai Shizuoka University	A Study on Biomolecular Interaction Observation Using Silicon-On-Insulator Photodiode with Surface Plasmon Antenna
P2-09	Tsuyoshi Kimura Tokyo Medical and Dental University	Fabrication and cellularization of decellularized pericardium for tissue reconstruction
P2-10	Shogo Takahashi Shizuoka University	Terahertz Time Domain Spectroscopy of Sweat Duct in Human Skin
P2-11	Edy Yulianto Shizuoka University	Monitoring of 3D Exposure Patterns in Photoresist Created by Direct Laser Writing using Photoluminescence Quenching
P2-12	Yayoi Okuyama Tohoku University	Machine Learning-Based Assessment with Score for Clinical Skills in Tooth Preparation
P2-13	Riku Funamoto Hiroshima University	Fabrication of Si nanowire transistor for biosensor
P2-14	Kaoru Shimasaki Shizuoka University	Fabrication of 3D chirped photonic crystals by controlling the dielectric filling ratio
P2-15	Toshihiro Kawase Tokyo Medical and Dental University	Motion Estimation of a Pneumatic Assistive Suit Using Pressure Distribution in Pipelines
P2-16	Yudai Omote Shizuoka University	Control of photonic band gap in visible region by using pyrolysis
P2-17	Nobuhiro Yoda Tohoku University	Effect of low temperature multi-gas plasma on improvement of bond strength on dental materials
P2-18	Gaurang Prabhudesai Shizuoka University	Transition from quasi-metallic to single-electron tunneling conduction in highly-doped Si nanostructures
P2-19	Cheng-Yao Lo National Tsing Hua University	High-Sensitivity Capacitive Tactile Sensor with Vertically Stacked Hollow Structures
P2-20	Nobumitsu Hirai NIT, Suzuka College	In-situ observation on morphology of <i>Aliivibrio fischeri</i> biofilm in nano-scale by scanning ion conductance microscopy

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P2-21	Alka Singh Shizuoka University	High-Frequency Characterisation of Silicon Single-Electron Transistor as a Rectifier
P2-22	Kazuki Nakai Tokyo Institute of Technology	Development of decomposition device for medical/industrial waste gases using dielectric barrier discharge
P2-23	Justyna Elzbieta Lazarczyk Tokyo Institute of Technology	Design of magneto-active NiMnGa/Polymer layered composite for biomedical applications
P2-24	Yuki Matsuoka Nara Women's University	Composition dependence of the instability of the stress-induced martensite phase in Au-based alloy
P2-25	Tomoya Maeda Toyohashi University of Technology	MEMS optical interferometric surface stress biosensor for influenza virus detection
P2-26	Keito Shimoda Nagasaki University	Development of Fe-Pt permanent film magnets for medical MEMS applications
P2-27	Yuma Suenaga Tokyo Institute of Technology	Development of interval plasma bubbling disinfection method
P2-28	Erik Bruendermann Shizuoka University	Non-invasive and non-destructive terahertz imaging for diagnostics and bio-medical applications
P2-29	Kuppusamy Silambarasan Shizuoka University	N-doped graphene quantum dots@MoS ₂ @reduced graphene oxide based low cost counter electrode for dye-sensitized solar cell
P2-30	Hiroaki Hatano Tokyo Medical and Dental University	Analysis of cellular internalization mechanism of sulfobetaine polymers with different cationic structures.
P2-31	Mako Yoshida Tokyo Institute of Technology	Development of droplet injection ICP-AES/MS simultaneous measurement system for single human cell analysis
P2-32	Meiting Hao Waseda University	Development of Flexible Antenna Coils for Gas Sensing Application
P2-33	Keita Suzuki Shizuoka University	Intestinal tissue oximetry using spatially resolved near-infrared spectroscopy and pathlength measurement
P2-34	Takahiro Kanzawa Shizuoka University	Measurement sensitivity analysis for liver tissue oximeter
P2-35	Kohei Tsubota Shizuoka University	Measurement Sensitivity Enhancement of Surface Tissue Using Spatially-resolved NIRS
P2-36	Jin Nagakura Shizuoka University	Facial optical property measurement using spatially-resolved and time-resolved measurement
P2-37	Taiguang Yuan Tokyo Institute of Technology	Discovery of MR Imaging Biomarkers for Prediction of Pathological Complete Responses to Chemotherapy for Breast Cancer
P2-38	Tomomi Ishikawa Hiroshima University	Artifact Removal for Microwave Breast Cancer Detection
P2-39	Shohei Moriya Tokyo Institute of Technology	Minimally invasive endoscopic hemostasis using 3D printed mini plasma jet
P2-40	Kohji Nishimura Shimane University	Functional analysis of lipid binding domain of membrane vesicle traffic components

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P2-41	Yusuke Iijima Tokyo Institute of Technology	Application of temperature-controllable multi-gas plasma to plant genome editing
P2-42	Nhat Dang Khoa NGUYEN Tokyo Institute of Technology	MEMS fabrication of a gap-controllable stencil mask for electrospray deposition
P2-43	Yuchen Wang Tokyo Institute of Technology	Neural Network Convolution Deep Learning for Semantic Segmentation of Breast Tumor in MRI
P2-44	Yuri Abe Tokyo Institute of Technology	Surface treatment of medical/dental materials using multi-gas atmospheric low temperature plasma
P2-45	Chitra Pandey Shizuoka University	Ab initio study of the effects of co-doping on the electronic properties of Silicon nanostructures
P2-46	Swandahru Suryo Kumoro Shizuoka University	Simple Combined Winding Structure of a Bearingless Motor for a Centrifugal Pump Application
P2-47	Chattarika Khamhanglit Tokyo Medical and Dental University	Direct immobilization of urease on the Ta ₂ O ₅ gate for FET
P2-48	Miyuki Tabata Tokyo Medical and Dental University	Ir/IrO _x chips for electrochemical DNA detection combining with isothermal nucleic acid amplification
P2-49	Sae Ishihara Shizuoka University	Pharmaceutical Cocrystal of Ibuprofen and Nicotinamide and Their Preservation Stability
P2-50	Kenta Ichikawa Tokyo Institute of Technology	Development of oral cavity energy harvester with electret generation sheet
P2-51	Yoshikazu Kameshima Okayama University	Adsorption properties of various polar gases on the polarized ZSM-5 zeolite bulk bodies
P2-52	Juangang Guan Hiroshima University	Extraction of Growth Indexes of Lettuce and Rice Plants for Image Processing of Time Series Data
P2-53	Hiroki Iwata Hiroshima University	An Improvement of Real-Time Computer-Aided Diagnosis System for Colorectal Endoscopic Video
P2-54	Masaya Ueda Hiroshima University	A Method to Improve Recognition Rate of Computer-Aided Diagnosis System for Colorectal Endoscopic Images
P2-55	Takaaki Sugino Tokyo Medical and Dental University	AI segmentation for advanced anatomical visualization
P2-56	Tatsuya Meguro Hiroshima University	Pixel Array Integration with SOI-Si photodiode and 4H-SiC MOSFETs for Radiation-Hardened image sensors
P2-57	Kazunari Inoue National Institute of Technology, Akashi College	An information-centric LAN enabling the secured network and the mobility
P2-58	Kensuke Watanabe Ritsumeikan University	Basic operation verification of content addressable memory-based massive-parallel SIMD matrix core for multimedia applications
P2-59	Hideki Murakami National Institute of Technology, Kurume College	Development of In-situ Monitoring System for Crop Growth Observation
P2-60	Toshihiro Kasama The University of Tokyo	Development of paper-based immunoassay microchannel devices

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P2-61	Tomoaki Sakamoto National Institute of Health Sciences	Development of quality evaluation approach for pharmaceuticals on the market using terahertz spectroscopy
P2-62	Tsuyoshi Yagi Ritsumeikan University	Quasi-millimeter wave MEMS phase-shifter with through-holes passivated by permanent resist
P2-63	Ganesh Kumar Mani Tokai University	Development of Vibration Assisted Nanoindenter for Microneedle Puncture Analysis
P2-64	Takuya Takahashi Shizuoka University	Effect of Ammonia and Hydrocarbon Gases Addition to Hydrogen Plasma for Recycling Method of Sodium Borohydride
P2-65	Takashi Arai Numazu College	Nanocoating of Amorphous Lithium Niobate on Oxide Electrolyte Particles for Non-sintered Solid Electrolyte Composite Films
P2-66	Yasuharu Koike Tokyo Institute of Technology	Network analysis for sleep condition using resting-state functional MRI
P2-67	Takeyoshi Koseki Tohoku University	Development of training system of professional skills of dental treatment with the force-visibility of hand instrumentation