

Oral presentation

	Competiti on Nominees	Program No.	Name	Affiliation	Abstract Title
	Oral Nominee	OC-1	Okuyama Yui	National Institute of Technology, Japan	Investigation of mobility spectra obtained by mobility measurement and simulation in different-purity O ₂ gases
	Oral Nominee	OC-2	van der Gaag Thijs	Tokyo Institute of Technology, Japan	A Machine Learning Approach to Determine Arbitrary EEDF of Atmospheric Pressure Plasma from OES Continuum Spectrum Analysis
	Oral Nominee	OC-3	Nagasaki Motonao	Kyoto University, Japan	Investigation of the Spatial Integration Effect on the Bremsstrahlung Spectrum of an Atmospheric Pressure Glow Discharge in a Pure Helium Gas
	Oral Nominee	OC-4	Ozeki Genki	Kanazawa University, Japan	Three-Dimensional Modeling of Ar Loop Type of Inductively Coupled Thermal Plasmas with a Race- Track Shaped Tube
	Oral Nominee	OC-5	Kodama Naoto	Nagoya University, Japan	Arc voltage rise by cylinder arrangement in silica-sand filling space during DC arc interruption
	Oral Nominee	OC-6	Yuki Hamana	Hokkaido University, Sapporo, Japan	Influence of liquid metal temperature on droplet ejection from liquid gallium and tin interacting with inductively coupled plasmas
	Oral Nominee	OC-7	Shimada Masaharu	Kumamoto University, Japan	Dynamic Ca ²⁺ mobilization in a cell exposed to single pulsed electric field
	Oral Nominee	OC-8	Iwata Naoyuki	Meijo University, Japan	Contribution of reactive nitrogen species to sterilization of radical-activated water
	Oral Nominee	OC-9	Ihara Takeshi	National Institute Technology, Sasebo College, Japan	Hydrogen Production from Water by Nanosecond Pulsed Discharge in Microchannels
	Oral Nominee	OC-10	Huang Yueh-Han	National Taiwan University of Science and Technology, Taiwan	Preparation of Conductive Zwitterionic poly(Acrylic Acid)/poly(Pyrrole) Thin Films via Plasma Enhanced Chemical Vapor Deposition
	Oral Nominee	OC-11	Hata Kazufumi	Kanazawa University, Japan	Experimental and numerical approach on polycrystalline diamond film deposition using inductively coupled thermal plasmas at different pressure conditions
	Oral Nominee	OC-12	Jui-Yu Tung	National Taiwan University of Science and Technology, Taiwan	Incorporation of Calcium Phosphate on Plasma Polymerized Hexamethyldisilazane Thin Films for Biomaterial Applications
	Oral Nominee	OC-13	Yeh Yi-Jui	National Taiwan University of Science and Technology, Taiwan	Microplasma fabrication of three-dimensional porous Au/Ag nanostructures with surface-enhanced Raman scattering properties
	Oral Nominee	OC-14	Van Phuoc Thai	Nagaoka University of Technology, Japan	Nano-synthesis by AC Glow Discharge on Liquids: The Role of Redox Potential
	Oral Nominee	OC-15	Islam Md. Anwarul	Hiroshima University, Japan	Development of a high performance cascade arc discharge device for applications to plasma window
	Cancelled	OC-16	Choudhary Mangilal	Physikalisches Institut, Justus-Liebig-Universität at Giessen, Germany	A 3-Dimensional Dusty Plasma in a Strong Magnetic Field: Observation of a Rotating Dust Torus and a pair of Counter-rotating Dust Torus
		A-1	Chou-Huang Tien-Yang	National Chiao Tung University, Taiwan	Comparison of Chronic Wound Healing Enhancement of Type-1 Diabetes of Rat Models Using a Universal Atmospheric-Pressure Plasma Jet with Argon and Nitrogen Gases
	Cancelled	A-2	Salmin Vladimir	Krasnoyarsk State Medical University, Russia	Effects of non-thermal plasma on mammalian brain microvessel endothelial cells
		A-3	Taaca Kathrina Lois	University of the Philippines Philippines- Diliman, Philippines	Surface Functionalization of Chitosan Hydrogel using Atmospheric Pressure Plasma
		A-4	Yoshiki Hiroyuki	National Institute of Technology, Tsuruoka College, Japan	The effect of the solution pH on E. coli sterilization by the O ₂ discharge gas bubbling
		A-5	Kawasaki Toshiyuki	Nishinippon Institute of Technology, Japan	Relationship between plasma irradiation conditions and induced liquid flows
		A-6	Teng Yung-Hsin	National Chiao Tung University, Taiwan	Effects of the Nitrogen-to-Oxygen Ratio on Properties of Plasma-Activated Water
		A-7	Bolouki Nima	Ming Chi University of Technology, Taiwan	Plasma Activated Water Produced by Various Gas Species in a Microsecond Repetitive Pulsed Discharge
		A-8	YU-WEI LIU	Ming Chi University of Technology, Taiwan and Center for Plasma &	The correlation of O and OH radical intensities and process parameters in APPJ and the subsequent big data analyses
		A-9	Nguyen Thi-Thuy-Nga	Nagoya University, Japan	Novel Atmospheric Pressure Plasma for Large-Area Treatment
		A-10	Junxiang Yang	Nagaoka University of Technology, Japan	Feedback control of Pulsed-Power Generator Based on Solid-State LTD

		A-11	Florin Petrian Herciu	University of Agricultural Sciences and Veterinary Medicine of Iasi, Romania	Behavior of different sprout species under atmospheric pressure plasma treatment
		A-12	Mai Kai Suan Tial	Mandalay Technological University, Myanmar	Development of soil ozonation system for agricultural applications in Myanmar
		A-13	Okumura Takamasa	National Institute of Technology, Ichinoseki College, Japan	Conformational change of bovine serum albumin by electric field and discharge plasma
		A-14	Keiichiro Katano	Kumamoto University, Japan	Efficient pasteurization of liquid food by using PEF
		A-15	Wen Chun-Mao	National Sun Yat-sen University, Taiwan	Tube-based DBD Plasma for Enhancing the Slippery Layer Coating on Medical Catheters
	Cancelled	A-16	Pechardo Jason	University of the Philippines, Philippines	Hydrophobic Surface Modification of Abaca (Musa Textilis Nees) Pulp through Plasma-Enhanced Chemical Vapor Deposition
		A-17	Taaca Kathrina Lois	University of the Philippines-Diliman, Philippines	Synthesis and characterization of plasma-treated polyaniline-chitosan (PAni-Cs) composite film
		A-18	Yu Ruei-Sung	Asia University, Taiwan	Characteristics of MgCo ₂ O ₄ optoelectronic thin films prepared using furnace annealing treatment and loop induction thermal plasma exposure
		B-1	Sharma Uttam	Shri Vaishnav Institute of Science, India	Fabrication of Tungsten Coated Graphite Tiles by RF Based Capacitively Coupled Plasma System For Aditya Upgrade Tokomak
		B-2	Ichiki Ryuta	Oita University, Japan	Correlation between nitrogen doping and NH emission in non-vacuum plasma nitriding with pulsed-arc jet
		B-3	Hsiao Yi-Hsuan	Ming Chi University of Technology, Taiwan	Deposition and characterization of multi-functional Ta-Ga-O thin films
		B-4	LIU CHING-WEI	Ming Chi University of Technology, Taiwan	Mechanical and antibacterial properties of Ga-doped TaOxNy thin films by reactive sputtering
		B-5	Yu- Chen Wang	National Taiwan University of Science and Technology, Taiwan	Preparation of Poly(2-hydroxyethyl methacrylate) and Its Copolymers via Photo- Initiated Polymerization/ Atmospheric Pressure Plasma Jet for Biomedical Applications
		B-6	Peng Cheng-Yun	National Chiao Tung University, Taiwan	Wettability Distribution on the Surface Treated by Atmospheric-Pressure Plasma Jet at Different Gas Flow Rates
		B-7	pohsien chiu	National Chiao Tung University, Taiwan	Wettability of Different Plastic Surfaces Modified by Sanding and an Atmospheric-Pressure Plasma Jet
		B-8	Akimitsu Hatta	Kochi University of Technology, Japan	Modification of PTFE Surface by Atmospheric Pressure Plasma of Ar/ Water and Ethanol Vapor Mixture
		B-9	Tachibana Kosuke	Oita University	Numerical simulation for penetration depth of OH radicals at plasma-liquid interface
		B-10	Sekiguchi hidetoshi	Tokyo Institute of Technology, Japan	Behaviors of gliding arc discharge in supersonic flow
	Cancelled	B-11	Park Geonwoo	Pusan National University, Korea	An investigation of the plasma characteristics as argon/oxygen ratio in a Capacitively Coupled Plasma using 2-dimensional Particle-in-cell simulation paralleled GPU.
		B-12	Tong Lizhu	Keisoku Engineering System Co., Ltd., Japan	Effect of Oxygen Concentration in an Ar/O ₂ Resonant Cavity Microwave Plasma
		B-13	Matsuda Yoshinobu	Nagasaki University, Japan	Measurement of Energy Distribution Functions of Positive and Negative Species by using Retarding Field Energy Analyzer
		B-14	Akatsuka Hiroshi	Tokyo Institute of Technology, Japan	Diagnostics of Electron Temperature and Density of Low-pressure Microwave Discharge Ar Plasma by Optical Emission Spectroscopy Based on Collisional Radiative Model
		B-15	Young Der Liang	National Taiwan University, Taiwan	Numerical Analysis of MHD duct flows at high Hartmann number by a meshfree method
		B-16	Keita Akashi	Kanazawa University, Japan	Nucleation Frequency Distribution of Si Nanoparticles in the Chamber downstream of Modulated Induction Thermal Plasmas with Modulated Quenching Gas Injection
		B-17	Nima Bolouki	Ming Chi University of Technology, Taipei	Plasma Polymerization of Poly (Methyl Methacrylate) on the Inner Surface of Silicone Tube by Capacitive Coupled Radio Frequency Plasma Reactor
		B-18	Osawa Naoki	Kanazawa Institute of Technology, Japan	Calculated 2-dimensional structure of surface charge density on barrier plate before and after diffuse dielectric barrier discharge in atmospheric pressure air
		C-1	Chau SW	National Taiwan University, Taiwan	Study on Fluorinated Substance Abatement with Steam Thermal Plasma
		C-2	Ando Yasutaka	Ashikaga University, Japan	Rapid deposition of porous titanium oxide film by low power atmospheric plasma spray equipment
		C-3	Nemoto Yusuke	Tokyo City University, Japan	Calculation of Convection and Conduction losses of Arc under Consideration of Thermal Non-Equilibrium
		C-4	Onda Kazuki	Kanazawa University, Japan	Modeling of Transient Interaction between Ar Thermal Plasma and Si Solid Powder Being Injected into Induction Thermal Plasmas

		C-5	Liu Jiandi	Hokkaido University, Japan	Influence of the pH value on the mechanism of cuprous oxide synthesis by atmospheric-pressure plasma electrolysis
		C-6	Ishigaki Takamasa	Hosei University, Japan 2 Graduate School of Science and Engineering,,	Synthesis of Mn-doped TiO ₂ Nanoparticles by Laser-Induced Plasma in Aqueous Solutions
	Cancelled	C-7	Chia-Ching Wu	National Taitung University, Taiwan	Highly Transparent Conducting Electrode Fabricated with ITO/Metal/ITO Triple-layer Structures Application on Solar Cell
		C-8	Mieno Tetsu	Shizuoka University, Japan	Efficient Production of Carbon Nanotubes by the Bipolar-Pulsed Arc-Discharge Method
		C-9	Akashi Haruaki	National Defense Academy, Japan	Role of secondary electron emission in atmospheric pressure dielectric barrier discharges
		C-10	Ogura Kazuo	Niigata University, Japan	Spoof-plasmon instability in terahertz region excited by magnetized electron beam
		C-11	Minamitani Yasushi	Yamagata University, Japan	Reaction observation of Active Species Generated by Pulsed Streamer Discharge in the Air with Droplets for Water Treatment
		C-12	Abdelaziz Ayman	AIST, Japan	Clarification of the gas-temperature dependence of the nitrogen fixation in DBD
		C-13	IWAI HIKARU	Iwate University, Japan	Influence of Waveform of Applied Voltage on Ethylene Decomposition Using Dielectric Barrier Discharge
	Cancelled	C-14	Chang Moo-Been	National Central University, Taipei	Reforming CH ₄ and CO ₂ to produce methanol via plasma catalysis
		C-15	Uehara Satoshi	Tohoku University, Japan	Visualization of Plasma Actuator Induced Flow in Confined Channel
		C-16	YANG Sheng-Fu	Institute of Nuclear Energy Research, Atomic Energy Council, Taiwan	Porous Ceramic Desiccant Rotor Produced from Aluminum Dross Using Inductively Coupled Plasma Technique
	Cancelled	C-17	Arce-Em Jen	Univ. of the Philippines-Diliman, Philippines	Top-electrode-material-effect-on-piezoelectric-output-voltage-of-ZnO-film
		C-18	Matsuura Hiroto	Osaka Prefecture University, Japan and Graduate School of	Effect of insulation oil on the stability of dielectric barrier discharge jet

Poster presentation

Poster session No.	Competiti on Nominees	Program No.	Name	Affiliation	Abstract Title
Poster-1		P1-1	Nishimura Yasutaro	National Cheng Kung University, Taiwan	(To be presented on Dec.13) Examination of background magnetic field effects on Debye shielding by N-body kinetic computation
Poster-1		P1-2	Yambe Kiyoyuki	Niigata University, Japan	Current reflection due to interaction between plasma and metal conductor in atmospheric pressure non-thermal equilibrium plasma
Poster-1		P1-3	Itsuki Inoue	The University of Tokyo, Japan	Measurement of OH Radical Density in Water Vapor Microwave Excited Plasma Using Laser-Induced Fluorescence
Poster-1		P1-4	Tsai Hsing Che	National Chiao Tung University, Taiwan	Numerical Investigation of Argon Inductively Coupled Plasma Source Using a Parallel 2 D Axisymmetric Fluid Model Using Unstructured Grid(s)
Poster-1		P1-5	Kuan-Lin Chen	National Chiao Tung University, Taiwan	Development of a Parallel Plasma Fluid Modeling Code Using Finite-Volume Method With an Unstructured Grid
Poster-1		P1-6	LAI PO TING	National Tsing Hua University, Taiwan	Fluid Model Numerical Simulation Study on Microwave Hydrogen Plasma Discharges
Poster-1		P1-7	Tzu-Chieh Chou	National Tsing Hua University, Taiwan	Numerical Simulation Study of Planar Ferromagnetic Enhanced Inductively Coupled Plasma Discharges
Poster-1		P1-8	Fukue Hiroyuki	Okayama University of Science, Japan	Methane flow rate dependence of plasma emission in DLC films formation using reactive bipolar HIPIMS method
Poster-1		P1-9	Tanoue Yuta	Kyushu University, Japan	Synthesis of Heavy Metal Borides Nanoparticles by Argon-Nitrogen Induction Plasma under Atmospheric Pressure
Poster-1		P1-10	Kikuchi Yusuke	University of Hyogo, Japan	Generation of a gliding arc discharge in atmospheric pressure air using nanosecond pulsed voltages with a repetition frequency of 300 kHz
Poster-1		P1-11	Ryo Kobayashi	Nagaoka University of Technology, Japan	Pattern Culture using Serum Medium Does Not Require a Composite Coat
Poster-1		P1-12	Kingo Azuma	University of Hyogo, Japan	A tantalum deposition on a glass substrate by high-power pulsed sputtering Penning discharge in an argon / nitrogen mixed gas ambient.

Poster-1		P1-13	De Leon Mark Jeffry	University of the Philippines Philippines-Diliman, Philippines	Development of Dielectric Barrier Discharge Device Generated using a Neon Transformer
Poster-1		P1-14	Yamazawa Yu	Wakayama College, Japan	Measurement of ozone concentration distribution for transport container using by atmospheric pressure plasma
Poster-1		P1-15	Chen-Yon Tobias Tschang	Justus-Liebig-University Giessen, Germany	In vitro comparison of direct plasma treatment and plasma activated water on escherichia coli using a surface micro-discharge
Poster-1		P1-16	Shunya Kazue	Kumamoto University, Japan	Thermal hydraulics of tubular liquid flow exposed to repetitive high power electrical pulses for large-scale PEF pasteurization system
Poster-1		P1-17	Suzuki Yudai	Kumamoto University, Japan	Time-lapse Observation of HeLa Cell Death Induced by PAM Generated by EB Plasma Irradiation Using Digital Holo-tomographic Microscopy
Poster-1		P1-18	Taichi Kamezaki	Kumamoto University, Japan	Extraction of intracellular molecules of yeast using pulsed electric fields
Poster-1		P1-19	Keisuke Nishida	Kumamoto University, Japan	Visualization of plasma induced liquid flow using KI-starch and PIV
Poster-1		P1-20	Okabayashi Ryota	Kyushu University, Japan	Freshness preservation of fruit by treatment of high concentration ozone
Poster-1		P1-21	Hayashi Nobuya	Kyushu University, Japan	Activation and growth of EL-4 T-cell Using Atmospheric Oxygen Plasma
Poster-1		P1-22	Ginji Ito	Meijo University, Japan	Plant-growth promotion using radical-activated phosphate-buffered solution containing tryptophan
Poster-1		P1-23	Hori Yuki	Meijo University, Japan	Time evolution of cell viability on melanoma cells treated with nitrogen-oxygen-radical-activated lactate ring's solution
Poster-1		P1-24	Kazuma Ogawa	Meijo University, Japan	Mitochondrial dysfunction in melanoma cells treated with radical-activated medium
Poster-1		P1-25	Takahiro Deguchi	Meijo University, Japan	Inactivation of Fusarium oxysporum using arc plasma-activated Phenylalanine
Poster-1		P1-26	Yoshida Yuta	Meijo University, Japan	Molecular structure analysis on surface of glucose film using sum frequency generation spectroscopy
Poster-1		P1-27	Chen Hung-Yuan	National Taiwan University, Taiwan	Development of a Portable Gas Sensing System using Smartphone-based Spectrometer and Plasma Spectroscopy
Poster-1		P1-28	Pan Ting-Ting	National Taiwan University, Taiwan	Development of a Plasma Generation Device Integrated with a Homemade Spectrometer to Detect Metal Ions in Solution
Poster-1		P1-29	Su Ching-Yu	National Taiwan University, Taiwan	Development of a Portable System to Detect of Metal Ions in Solutions Using Plasma Spectroscopy and Incorporation of Machine Learning on this System
Poster-1		P1-30	Tsai Cheng-Hsun	National Taiwan University, Taiwan	Application of Machine Learning for Real-Time Detection of Volatile Organic Compounds Using Plasma Emission Spectroscopy
Poster-1		P1-31	Shimizu Ryohei	Oshima College, Japan	Peeling Mechanism of Painting by Atmospheric Pressure Plasma Irradiation
Poster-1		P1-32	Takatashi Matsubara	Tokyo University of Science, Japan	Influence of jet induced by string-type plasma actuator on wake behind car door mirror model
Poster-1		P1-33	Kuzumi Tatsuya	Doshisha University, Japan	Extraction of Ions from a Compact Duoplasmatron Type Ion Source
	Cancelled	P1-34	Ghalab-Sobhy	Jouf University, Saudi Arabia	Plasma-Enhancement Textiles Properties
Poster-1		P1-35	Iida Keigo	Kanazawa University, Japan	Dynamic Fluid Properties of Molten Steel in the Plasma Arc Cutting Observed with Laser Strobe Imaging
Poster-1		P1-36	Teii Kungen	Kyushu University, Japan	Structure and Electrical Properties of Boron Nitride Films Deposited by Surface Wave Plasma Enhanced Chemical Vapor Deposition
Poster-1		P1-37	SUNG TALUN	Lunghwa University of Science and Technology, Taiwan	The study of the carbon films by MWCVD on 304 stainless steel
Poster-1		P1-38	SUNG TA-LUN	Lunghwa University of Science and Technology, Taiwan	Effect of Surface Properties on Corrosion Resistance of NiTi Alloy Micro-arc Oxidation Coating
Poster-1		P1-39	Takaoka Yui	Nagaoka University of Technology, Japan	Sputtering Speed of Tungsten on Micro- and Macro-Scales for Plasma Facing Material in Nuclear Fusion Reactor
Poster-1		P1-40	Sekine Makoto	Nagoya University, Japan	Nano-scale pattern formation of organic material with precisely wafer-temperature-controlled plasma etch system
Poster-1		P1-41	Kawasaki Hiroharu	National Institute of Technology, Sasebo College, Japan	Preparing of multi-elements 2D thin films by sputtering deposition using metal oxide powder targets
Poster-1		P1-42	Takao Ota	National Institute of Technology, Toyama College, Japan	Surface cleaning of basalt fiber by atmospheric pressure plasma jet to improve interfacial strength in basalt/ Vinylester composites

Poster-1		P1-43	Tatsuru Shirafuji	Osaka City University, Japan	Spatial distribution of He in a porous scaffold irradiated with He APPJ
Poster-1		P1-44	Shinichiro Adachi	Osaka Research Institute of Industrial Science and Technology, Japan	Low-temperature plasma nitriding and carburizing of high molybdenum stainless-steel with laser cladding
Poster-1		P1-45	Ito Hiroaki	University of Toyama, Japan	Effect of liquid irradiation by laminar atmospheric pressure plasma jet with double coaxial glass tube
Poster-1		P1-46	Terada Masashi	University of Toyama, Japan	Characteristic evaluation of pulsed heavy ion beam in bipolar pulse accelerator
Poster-1		P1-47	Ren Xiaojing	Nagaoka University of Technology, Japan	Development and Improvement of a Solid-State Marx Generator for Application to Dielectric Barrier Discharge
Poster-1		P1-48	Yonezawa Ken	Kenix Corporation, Japan	Developing pressure gradient sputtering system (PGS)
Poster-1		P1-49	Akimitsu Hatta	Kochi University of Technology, Japan	Characteristics of Hydrogen Gas Discharge by Micro Gas Jet in Vacuum
Poster-1		P1-50	Wu Mu Chien	National Chiao Tung University, Taiwan	An Innovative Method of Generating Plasma Microbubbles in a Flowing Water Tube
Poster-1		P1-51	Kuo Chien-Hung	National Taiwan University of Science and Technology, Taiwan	Copolymerization of Sulfobetaine Methacrylate and Acrylic Acid by Atmospheric Pressure Plasma Jet and Radical Polymerization Method
Poster-1		P1-52	OUANTHAVIVSAK BOUNYANG	Osaka Prefecture University, Japan	Expansion of Atmospheric Pressure Plasma on a Glass Plate
Poster-1		P1-53	Sato Hideki	Iwate University, Japan	Tunable self-organized structure of dielectric barrier discharge by using capacity coupling
Poster-2		P2-1	Sugawara Hirotake	Hokkaido University, Japan	Vector loci of average electron velocity in gases under ac electric and dc magnetic fields
Poster-2	Poster Nominee	P2-2	Takahashi Hironori	Hokkaido University, Japan	Electron Energy Gain Mechanisms near Chamber Wall in Inductively Coupled Magnetized Plasmas under Different Gas Pressures
Poster-2		P2-3	HO C. Y.	Hwa-Hsia Institute of Technology, Taiwan	Transport of ions and electrons in the process of diffusion for cold plasma
Poster-2		P2-4	Matsubara Kakeru	Iwate University, Japan	Tuning E-mode discharge in inductively coupled plasma using an external capacitor
Poster-2		P2-5	Rutha Paw Naw	Kanazawa University, Japan	Investigation of Rotational Speed Effect on Electrical and Optical Characteristic in Rotatable Electrodes Dielectric Barrier Discharge Reactor (RE-DBDR)
Poster-2		P2-6	Takeshi Aizawa	Kanazawa University, Japan	Estimation of OH Rotational Temperature in Microwave Excited Water Vapor Plasma
Poster-2	Poster Nominee	P2-7	Ryu Terumasa	Kumamoto University, Japan	Propagation Velocity Distribution on Nanosecond Pulsed Discharge in Coaxial Electrodes using a quadruple emCCD camera system
Poster-2		P2-8	Fujiwara Kyoko	Nagaoka University of Technology, Japan	Design and observation of linear Rogowski coil for high-frequency pulsed current measurement
Poster-2	Poster Nominee	P2-9	Kakinuma Keita	Nagaoka University of Technology, Japan	Measurement of ion energy in fast plasma flow generated by tapered cone plasma focus device by using retarding potential analyzer
Poster-2		P2-10	Seiji Kanazawa	Oita University, Japan	Distribution of OH Radicals Produced by Atmospheric Pressure Plasma Jet
Poster-2	Poster Nominee	P2-11	Suzuki Yuki	Tokyo City University, Japan	Ablation Gas Concentration Generated by Arc Temperature from Nozzle with Changing Nozzle Radius in Air Circuit Breaker
Poster-2		P2-12	Komai Yuji	Tokyo City University, Japan	Analysis of Spiral Arc Affected by Axial Magnetic Field Using 3D Electromagnetic Thermal Fluid Simulation
Poster-2	Poster Nominee	P2-13	YAO YI-CI	Kyushu University, Japan	Enhance the Effect of LPS on Macrophage-like Cells by Atmospheric Oxygen Plasma
Poster-2		P2-14	FERNANDO WANNAKUWATHA WADUGE THOMAS	Nagaoka University of Technology, Japan	Radical distribution along the plasma jet for double electrode APPJ with additional pin ground electrode
Poster-2		P2-15	Shimizu Tetsuji	National Institute of Advanced Industrial Science and Technology, Japan	Long-Lifetime Reactive Species in Water Treated by Surface Dielectric Barrier Discharge Plasma
Poster-2		P2-16	Nagato Kenkichi	National Institute of Technology, Kochi College, Japan	Mass spectrometric investigation of the ionic species generated by atmospheric pressure argon plasma
Poster-2		P2-17	Takahisa Ueno	Oita College, Japan	Using High Electric Field to Measure Aerosol-based Bacterial Inactivation
Poster-2	Poster Nominee	P2-18	Yusuke Sasaki	Osaka City University, Japan	Humid air discharge characterization using an atmospheric-pressure plasma reactor
Poster-2		P2-19	Kristof Jaroslav	Shizuoka University, Japan	Drug absorption of the skin treated by microplasma discharge

Poster-2	Poster Nominee	P2-20	Chia-Hsing CHANG	Tohoku University, Japan	Effects of Plasma-generator-supplied Pulsed Current on Cell Behavior and Morphology using a Timelapse Monitoring
Poster-2		P2-21	Hirata Takamichi	Tokyo City Univ., Japan	Diagnosis by Bioluminescence of Wound Part - Application to " Atmospheric Pressure Plasma Medicine"-
Poster-2	Poster Nominee	P2-22	Sasaki Kouhei	Tokyo City University, Japan	Study on cell proliferation effect by plasma irradiation in closed space
Poster-2		P2-23	Jinno Kira	Tokyo City University, Japan	Improvement of skin tissue by atmospheric pressure plasma irradiation to pigmentation after atopical dermatitis
Poster-2		P2-24	Motoi Shuma	Tokyo City University, Japan	Apoptosis and necrosis induced cell culture by atmospheric pressure plasma irradiation
Poster-2	Poster Nominee	P2-25	Mori Takahiko	University of Ryukyus , Japan	Inner surface sterilization of narrow tube using pulsed ECR plasma
Poster-2		P2-26	Takami Masashi	University of Ryukyus , Japan	Effect of humidity on surface sterilization by using UV/ozone method
Poster-2		P2-27	Tonmitr Norrawit	University of the Ryukyus, Japan	Study on Time Modulated LF-Microwave Hybrid Plasma for Surface Sterilization
Poster-2		P2-28	Sato Hiromi	Yamagata University, Japan	Development of High Power High Frequency Bipolar Burst Pulse Generator Based on Magnetic Switch for Cancer Treatment and Its Effect for Biological Cells
Poster-2		P2-29	Miura Takafumi	Iwate University, Japan	Influence of Pulse Width on H ₂ Generation from Methane Reforming Using Dielectric Barrier Discharge
Poster-2	Poster Nominee	P2-30	Yamaguchi Soichiro	Kanazawa Institute of Technology, Japan	Hydrogen peroxide (H ₂ O ₂) generation by ozone bubble pulsed discharge
Poster-2	Poster Nominee	P2-31	Takafumi Kurokawa	Nagasaki University, Japan	Observation of shock wave generated by pulsed surface discharge on water
Poster-2	Poster Nominee	P2-32	Shungo Zen	Tokyo Institute of Technology, Japan	Magnesium nitride synthesis using dielectric barrier discharge for a magnesium circulation system
Poster-2		P2-33	Watanabe Taichi	Tokyo Institute of Technology, Japan	Decomposition of Acetic Acid with Different Input Power
Poster-2		P2-34	Takashi Kimura	Nagoya Institute of Technology, Japan	Properties of Titanium–Vanadium Nitride Films Prepared By Reactive High Power Pulsed Sputtering Penning Discharges
Poster-2		P2-35	Takashi Kimura	Nagoya Institute of Technology, Japan	Si content dependence of TiSiN films prepared by reactive high power pulsed sputtering Penning discharges
Poster-2		P2-36	Ma William Cheng-Yu	National Sun Yat-sen University, Taiwan	Impacts of Ammonia Gas Plasma Surface Treatment on Junctionless Polycrystalline-Silicon Thin-Film Transistor
Poster-2		P2-37	Ma William Cheng-Yu	National Sun Yat-sen University, Taiwan	Impacts of O ₂ Plasma on Negative Gate Bias Stress Instability of Tunnel Thin-Film Transistor
Poster-2		P2-38	Kawanobe Keiju	Oita University, Japan	Surface nitriding of steel by applying the expansion of dielectric barrier discharge at high temperature
Poster-2	Poster Nominee	P2-39	Toda Kiho	Oita University, Japan	Reduction of steel surface roughness by bright nitriding with pulsed-arc jet
Poster-2	Poster Nominee	P2-40	Aminurul Helmy Muhammad	Okayama University of Science , Japan	Film Surface Analysis of Ultralow Friction of ta-C:H Film Deposited by Cathodic Vacuum Arc Plasma
Poster-2	Poster Nominee	P2-41	Murakami Shinichiro	The University of Tokyo, Japan	Quantitative measurement of the effect of OH radicals on surface treatment of polypropylene
Poster-2	Poster Nominee	P2-42	Yuri Abe	Tokyo Institute of Technology, Japan	Improvement of bond strength on dental zirconia crown using low temperature multi-gas plasma
Poster-2		P2-43	Takafumi Toya	Toyohashi University of Technology , Japan	Fluorocarbon Film Prepared by RF Unbalanced Magnetron Sputtering with PTFE Target
Poster-2		P2-44	Hirano Ryo	University of Hyogo, Japan	Characterization of a high-repetition nanosecond pulsed nitrogen glow discharge and its application to a new plasma nitriding technique
Poster-2		P2-45	Ioka Katsuya	University of Hyogo, Japan	Properties of diamond-like carbon films prepared with a high-repetition nanosecond pulsed glow discharge plasma under sub-atmospheric pressure
Poster-2		P2-46	Kaneda Kazuhiko	University of Hyogo, Japan	Influence by Substrate Bias of Unipolar Pulse in Molybdenum Deposition on Glass Substrate by UBMS
Poster-2		P2-47	Tanaka Tatsuya	University of Hyogo, Japan	Titanium Deposition by High Power Pulsed Sputtering Penning Discharge Plasma with Circuit to Control Electric Potential of Collector Electrode
Poster-2		P2-48	Akamatsu Hiroshi	Kobe City College of Technology, Japan	Surface Charging of Zinc Oxide Nanoparticles in Distilled Water with Irradiation of Atmospheric Pressure Plasma Jet
Poster-2		P2-49	Teii Kungen	Kyushu University, Japan	Field Emission Characteristics of Nanocrystalline Diamond Cones Prepared by Reactive Ion Etching in Microwave Plasma

Poster-2	Poster Nominee	P2-50	Abe Shinnosuke	Nagaoka University of Technology, Japan	Dependence of gas species on gold nanoparticle synthesis by gas-liquid interface plasma generated by unipolar pulse power source
Poster-2	Poster Nominee	P2-51	Isaji Noriyuki	Gifu University, Japan	Plume interference evaluation of anode-layer SBS system
Poster-2		P2-52	Chang Chun-Hao	National Chiao Tung University, Taiwan	Experimental Characterization of a Cathode Arc Thruster Using Inductive Energy Storage Driver
Poster-2	Poster Nominee	P2-53	Shinichiro Nagai	Nagaoka University of Technology, Japan	Construction of multi-dimensional high-speed imaging system using streak camera with image sparse representation method
Cancelled	Cancelled	P2-54	Wadhwa Jyoti	National Institute of Technology Jalandhar, India	Enhanced Second Harmonic Generation of Hermite-Gaussian Laser Beam in Collisionless Plasma having Density Transition
Poster-2	Poster Nominee	P2-55	Yuta Annaka	Niigata University, Japan	Intense Terahertz-Wave Generation Based on Excitation of Surface Wave Using Electron Beam
Poster-2	from Dec. 1	P1-1	Nishimura Yasutaro	National Cheng Kung University, Taiwan	Examination of background magnetic field effects on Debye shielding by N-body kinetic computation