

Oral Session

Keynote/Invited	Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
Chairperson: Masaharu Shiratani (Kyushu Univ.)									
Keynote	D-4-K24-001	24 Sep.	13:30	13:55	Kazuo		TERASHIMA	The University of Tokyo	Plasma in supercritical fluid and its application to materials processing - density-fluctuation-induced plasma processing of nanomaterials -
	D-4-O24-002	24 Sep.	13:55	14:10	Koichi		SASAKI	Hokkaido University	Synthesis of Brookite-Type TiO ₂ Layer by Laser Ablation of a Titanium Plate in High-Temperature, High-Pressure Water
	D-4-O24-003	24 Sep.	14:10	14:25	Sonia		MURADIA	Shizuoka University	Characteristics of Bubble Discharges inside Water Produced using a Pulsed DBD Configuration with a Metal Clutched Porous Ceramic Electrode for Wastewater Treatment
	D-4-O24-004	24 Sep.	14:25	14:40	Tatsuru		SHIRAFUJI	Osaka City University	Numerical calculation of electron density profile and in a gas bubble surrounded with conductive liquid and dielectric material
	D-4-O24-005	24 Sep.	14:40	14:55	Iuliana		MOTRESCU	SHIZUOKA UNIVERSITY	Functional Groups Patterning on Polymeric Surfaces using Nano-Capillary Atmospheric Pressure Plasma Jet
Coffee break		24 Sep.	15:00	15:15					
Chairperson: Koichi SASAKI (Hokkaido University)									
Invited	D-4-I24-006	24 Sep.	15:15	15:35	Partha	Sarathi	MUKHERJEE	Institute of Minerals & Materials Technology	ADVANCED THERMAL PLASMA PROCESSING FOR MAKING VALUE ADDED PRODUCTS
	D-4-O24-007	24 Sep.	15:35	15:50	Kentaro		TOMITA	Kyushu University	Studies of pulsed discharge plasmas produced at atmospheric pressure using laser Thomson scattering
	D-4-O24-008	24 Sep.	15:50	16:05	Peng		ZHAO	Shizuoka University	Deposition of Cu Thin Film on Polyimide Substrate Using Ar/H ₂ Atmospheric Pressure Plasma Jet
	D-4-O24-009	24 Sep.	16:05	16:20	Takayuki		OHTA	Meijo University	Oxidative inactivation mechanism of fungal spores employing atmospheric-pressure oxygen radical source
Chairperson: Tatsuru SHIRAFUJI (Osaka City University)									
Invited	D-4-I24-010	24 Sep.	16:20	16:40	Toshiaki		KATO	Tohoku University	Advanced plasma CVD for structural-controlled growth of single-walled carbon nanotube and graphene
Invited	D-4-I24-011	24 Sep.	16:40	17:00	Hiroki		KONDO	Nagoya Univ.	Advanced plasma science and technologies for nanostructure control of carbon nanomaterials
Invited	D-4-O24-012	24 Sep.	17:00	17:15	Hironao		SHIMOEDA	Nagoya University	Effects of Hydrogen Peroxide Treatment on Nanostructures in Carbon Nanowalls
	D-4-O24-013	24 Sep.	17:15	17:30	Tomoyuki		YATSUHASHI	Osaka City University	Novel Method of Producing Carbon Nanoparticles on Benzene/Water Interface with Femtosecond Laser Plasma Filament
Chairperson: Osamu Sakai (Kyoto Univ.)									
Keynote	D-4-K25-001	25 Sep.	10:30	10:55	Jeon	Geon	HAN	SKKU(Sungkyunkwan University)	Plasma Process Design for Functional Film Synthesis on Plastic Substrate
Invited	D-4-I25-002	25 Sep.	10:55	11:15	Kouichi		ONO	Kyoto University, Graduate School of Engineering	Surface Roughening and Rippling during Plasma Etching
	D-4-O25-003	25 Sep.	11:15	11:30	Arkadiusz		MALINOWSKI	Nagoya University	Investigation of Hydrogen Radical Kinetics during ArF 193nm Photoresist Processing for Ultimate CMOS Technology Development
Invited	D-4-I25-004	25 Sep.	11:30	11:50	Satoshi		HAMAGUCHI	Osaka Univ.	Ion-bombardment-induced diffusion and drift of impurity atoms in solids
Lunch		25 Sep.	12:00	13:30					
Chairperson: Satoshi Hamaguchi (Osaka Univ.)									
	D-4-O25-005	25 Sep.	13:30	13:45	Toshiya		SUZUKI	Nagoya University	Field Electron Emitter Fabricated by Plasma Etching of Organic Material
	D-4-O25-006	25 Sep.	13:45	14:00	Tatsuo		ISHIJIMA	Kanazawa University	Development of Resist Removal Process using Microwave-excited Plasma
Invited	D-4-I25-007	25 Sep.	14:00	14:20	Uros		CVELBAR	Jozef Stefan Institute	Making nanowires ultra-nanoporous
Invited	D-4-I25-008	25 Sep.	14:20	14:40	Tomohiro		NOZAKI	Tokyo Institute of Technology	Silicon Nanocrystal Thin Films: Application to Quantum-dot Photovoltaics
Invited	D-4-I25-009	25 Sep.	14:40	15:00	Vladimir		SVRCEK	National Institute of Advanced Industrial Science and Technology (AIST)	Interactions between plasmas and silicon nanocrystals interfaces
Coffee break		25 Sep.	15:00	15:15					
Chairperson: Tomohiro Nozaki (Tokyo Institute of Technology)									
Invited	D-4-I25-010	25 Sep.	15:15	15:35	Osamu		SAKAI	Kyoto Univ.	Roles of nonlinear transition phenomena in plasma processes
	D-4-O25-011	25 Sep.	15:35	15:50	Giichiro		UCHIDA	Kyushu University	Deposition of Si quantum-dot thin films for solar cell applications using multi-hollow discharge plasma CVD
	D-4-O25-012	25 Sep.	15:50	16:05	Kunihiko		KAMATAKI	Kyushu Univ.	High Capacity Li Ion Battery Anodes Using Silicon Carbide Nanoparticles Produced by Double Multi-Hollow Discharge Plasma CVD
	D-4-O25-013	25 Sep.	16:05	16:20	Yasunori		TANAKA	Kanazawa University	Nanopowder Synthesis using High-Power Modulated Induction Thermal Plasmas with Heavy Rate Intermittent Feeding of Raw Material Powder
	D-4-O25-014	25 Sep.	16:20	16:35	Hiroyuki		WADA	Tokyo Institute of Technology	Influence of Laser Intensity on Optical Properties of Y ₂ O ₃ :Er,Yb Nanoparticles by Laser Ablation in Liquid
	D-4-O25-015	25 Sep.	16:35	16:50	Shohei		TAKAHASHI	Tohoku University	Synthesis of Structure-Controlled Gold-Nanoparticles Using Physical and Chemical Reactions of Gas-Liquid Interfacial Plasmas
	D-4-O25-016	25 Sep.	16:50	17:05	Mihai	Alexandru	CIOLAN	Graduate School of Science and Technology Shizuoka University	Surface Functionalization of Zinc Oxide Nanoparticles Obtained by Pulsed Laser Ablation Technique
	D-4-O25-017	25 Sep.	17:05	17:20	Raman	V.	BEKAREVICH	Shizuoka University	Large-Area Deposition of Carbon Nanomaterials at Low-temperature Using Microwave Excited Surface-wave Plasma with Catalytic Graphite-encapsulated Ni Nanoparticles
	D-4-O25-018	25 Sep.	17:20	17:35	Masaharu		SHIRATANI	Kyushu University	A Theoretical Model of a Relationship between Plasma Fluctuation and Nanostructure Fluctuation

Poster Session

Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
D-4-P24-001	24 Sep.	18:00	20:00	Ariyuki		KATO	Nagaoka University of Technology	Luminescent properties of Eu-doped phosphate phosphor suspension under atmospheric pressure plasma
D-4-P24-002	24 Sep.	18:00	20:00	Sergei	A	KULINICH	Osaka University	Nanoparticle Synthesis via Laser Ablation in Highly Pressurized Water
D-4-P24-003	24 Sep.	18:00	20:00	Kosuke		TAKENAKA	Osaka University	Radio Frequency Plasma Generation over Water Surface at Saturated Water Vapor Pressure
D-4-P24-004	24 Sep.	18:00	20:00	Pattarin		CHEWCHINDA	Tokyo Tech	Silicon nanoparticles prepared by pulsed laser ablation in liquid
D-4-P24-005	24 Sep.	18:00	20:00	Tatsuru		SHIRAFUJI	Osaka City University	Decomposition of methylene blue molecules by using 3D integrated micro solution plasmas
D-4-P24-006	24 Sep.	18:00	20:00	Tomohiro		NOZAKI	Tokyo Institute of Technology	Plasma-enhanced Direct Methane Conversion to Synthetic Fuels
D-4-P24-007	24 Sep.	18:00	20:00	Thapanut		SARINONT	Kyushu university	Germination and Growth of Seedling using Atmospheric Pressure Dielectric Barrier Discharge
D-4-P24-008	24 Sep.	18:00	20:00	Thapanut		SARINONT	Kyushu university	Growth acceleration of yeast using dielectric barrier discharge plasma irradiation
D-4-P25-009	25 Sep.	18:00	20:00	Makoto		SEKINE	Nagoya University	In situ XPS analysis of ArF photoresist modification caused by fluorocarbon ions and radicals
D-4-P25-010	25 Sep.	18:00	20:00	Masanori		SHINOHARA	Nagasaki University	Interaction of hydrogen plasma with Si surface, investigated with infrared absorption spectroscopy in multiple internal reflection geometry (MIR-IRAS)
D-4-P25-011	25 Sep.	18:00	20:00	Masanori		SHINOHARA	Nagasaki University	Infrared spectroscopic study on hydrogen behavior in amorphous carbon film surface region during oxygen plasma
D-4-P25-012	25 Sep.	18:00	20:00	Kenji		ISHIKAWA	Nagoya University	Surface Roughness on Plasma-Etched Gallium Nitride (GaN)
D-4-P25-013	25 Sep.	18:00	20:00	Kazuaki		KOBAYASHI	National Institute for Materials Science	First-Principles Study of Various BN, SiC, and AlN Polytypes
D-4-P25-014	25 Sep.	18:00	20:00	Hiroharu		KAWASAKI	Sasebo National College of Technology	Kinetics of helium bubble behavior at arc discharge in liquid helium preparatory to fabrication of carbon nanomaterial
D-4-P25-015	25 Sep.	18:00	20:00	Yasuhiko		MORITA	Kyushu University	Selective deposition of nanoparticles to valleys of texture substrates
D-4-P25-016	25 Sep.	18:00	20:00	Yeonwon		KIM	Kyushu University	Measurements of Cluster Volume Fraction in Silicon Thin Films Using Quartz Crystal Microbalances
D-4-P25-017	25 Sep.	18:00	20:00	Masaharu		SHIRATANI	Kyushu University	In-situ Measurements of Size Distribution of Nanoparticles Formed in Reactive Plasmas Using a Laser Light Scattering Method
D-4-P25-018	25 Sep.	18:00	20:00	Shun		TSUMURA	Shizuoka university	Improvement of Surface Modification of Magnetic Nanoparticles Using Inductively Coupled RF Plasma with Powder Blowing-up Technique
D-4-P25-019	25 Sep.	18:00	20:00	Giichiro		UCHIDA	Kyushu University	An infrared laser trap of a single dust particle for study of plasma-surface interactions
D-4-P25-020	25 Sep.	18:00	20:00	Kosuke		TAKENAKA	Osaka University	Effect of Plasma Irradiation on Interfacial Nano Layers in Inorganic / Organic Hybrid Structures