

## Oral Session

Keynote/Invited	Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle	Account: FAMILY NAME	Account: Affiliation	Abstract title
Chairperson: (Takaaki Aoki, Kyoto University)									
Opening		25 Sep.	10:30	10:35	Hiroshi		AMEKURA	NIMS	
Invited	D-3-I25-001	25 Sep.	10:35	11:05	John	E. E.	BAGLIN	IBM Almaden Research Center	Nanoscale Patterning by Ion Beam Lithography Coupled with Guided Self-Assembly
	D-3-O25-002	25 Sep.	11:05	11:25	Daryush		ILA	Fayetteville State University	From Basic to application of Ion beam production of Pseudo-crystals
	D-3-O25-003	25 Sep.	11:25	11:45	Tomohiro		KOBAYASHI	RIKEN	Formation of metallic nanoparticles by proton irradiation in liquid
Lunch		25 Sep.	12:00	13:30					
Chairperson: (Koumei Baba, Industrial Technology Center of Nagasaki)									
Invited	D-3-I25-004	25 Sep.	13:30	14:00	Ralph	Paul	COONEY	University of Auckland	Anti-microbial Conducting Polymers
Invited	D-3-I25-005	25 Sep.	14:00	14:30	Giovanni		MARLETTA	University of Catania	Smart' Biocompatible Surfaces by Ion Beams
	D-3-O25-006	25 Sep.	14:30	14:50	Emel		SOKULLU URKAC	Harvard Medical School - M.I.T.	Ion Implantation and Plasma Deposition for Microfluidic Applications with Neural Cells
Coffee break		25 Sep.	15:00	15:15					
Chairperson: (Daryush Ila, Fayetteville State University; Akiyoshi Chayahara, AIST)									
Invited	D-3-I25-007	25 Sep.	15:15	15:45	Jim	Stanislaus	WILLIAMS	Australian National University	Ion Implanted Defects: Their Potential for Luminescent Devices in Silicon
Invited	D-3-I25-008	25 Sep.	15:45	16:15	Takeshi		OHSHIMA	Japan Atomic Energy Agency	Creation of Nitrogen-Vacancy Centers in Diamonds by Nitrogen Ion Implantation
	D-3-O25-009	25 Sep.	16:15	16:35	Mitsuaki		TAKEUCHI	Kyoto University	Irradiation Effect of Ionic Liquid BMI-PF6 Ion Beam on Glass Surface
	D-3-O25-010	25 Sep.	16:35	16:55	Jiro		MATSUO	Kyoto University	Recent Development in Gas Cluster Ion Beams - from Semiconductor Processing to Biological Analysis
	D-3-O25-011	25 Sep.	16:55	17:15	Makiko		FUJII	The University of Tokyo	Molecular Dynamics Simulations for Shave-off Depth Profiling
Committee and Invited Speaker Meeting 25 Sep.									
Chairperson: (Hiroshi Tsuji, Kyoto University)									
		26 Sep.	9:00	9:20	Symposium activity (break)				
Invited	D-3-I26-001	26 Sep.	9:20	9:50	Hiroshi		IMAYA	RIKEN KEIKI Co., LTD.	Improvement of properties of electrochemical gas sensors by ion implantation into the gas permeable membranes
	D-3-O26-002	26 Sep.	9:50	10:10	Cornelia		NEETZEL	Darmstadt University of Technology	Iron oxide coatings of ion track etched polymer templates for environmental adsorption processes
Coffee break		26 Sep.	10:20	10:30					
Chairperson: (Yoshiaki Suzuki, RIKEN)									
Invited	D-3-I26-003	26 Sep.	10:30	11:00	Manabu		TANAKA	Tokyo Metropolitan University	Conductivity of Electrospun Polymer Nanofibers by Ion-irradiation
	D-3-O26-004	26 Sep.	11:00	11:20	Atsushi		ASANO	Osaka University	Fabrication and Arrangement of "Clickable" Nanowires by Single Particle Nano-Fabrication Technique
	D-3-O26-005	26 Sep.	11:20	11:40	Wolfgang		ENSINGER	Darmstadt University of Technology	Three-dimensional Nanostructure Arrays Formed by Using Ion-Track Etched Polymer Foils and Their Applications in Catalysis
Lunch		26 Sep.	12:00	13:30					
Chairperson: (Hisayoshi Itoh, JAEA)									
Invited	D-3-I26-006	26 Sep.	13:30	14:00	Jeffrey	Colin	MCCALLUM	University of Melbourne	Single Ion Implantation for Quantum Device Fabrication
Invited	D-3-I26-007	26 Sep.	14:00	14:30	Milko		JAKSIC	Rudjer Boskovic Institute	Ordering of nanostructures using MeV heavy ion microbeams
	D-3-O26-008	26 Sep.	14:30	14:50	Pawan	Kumar	KULRIYA	Inter University Accelerator Centre	Ferromagnetism in Pd nanoparticle induced by intentionally created defects
Coffee break		26 Sep.	15:00	15:15					
Chairperson: (Devesh Kumar Avasthi, Inter University Accelerator Centre; Hiroshi Amekura, NIMS)									
	D-3-O26-009	26 Sep.	15:15	15:35	Jerome		LEVENEUR	GNS Science	Low energy ion beam synthesis of samarium-cobalt nanostructures on SiO2
	D-3-O26-010	26 Sep.	15:35	15:55	John	V	KENNEDY	GNS Science	Controlling the diffusion of ion implanted Fe in SiO2
	D-3-O26-011	26 Sep.	15:55	16:15	Andrii		DEMCHYSHYN	Taras Shevchenko National University of Kyiv	Structures created by overlapping single ions tracks, similar to the "chain of pearls". Percolation theory and scaling hypothesis approach.
Chairperson: (Masami Ikeyama, AIST)									
Invited	D-3-I27-001	27 Sep.	10:30	11:00	Teruyuki		KITAGAWA	Nomura Plating Co., Ltd.	Novel carbonaceous film with high electrical conductivity and ultra high hardness
	D-3-O27-002	27 Sep.	11:00	11:20	Hiroshi		SAITO	Okayama University of Science	Role of energetic ammonia cluster ions in the molecular beam epitaxial growth of GaN
	D-3-O27-003	27 Sep.	11:20	11:40	Matthieu		PY	Kyoto University, Quantum Science and Engineering Center	Silicon Irradiation with Massive Argon Cluster Ions: which direction for damage-less sputtering?
	D-3-O27-004	27 Sep.	11:40	12:00	Toshio		SEKI	Kyoto Univ.	High-speed Processing with CIF3 Cluster Injection
Lunch		27 Sep.							
Chairperson: (Wolfgang Ensinger, Darmstadt University of Technology)									
Invited	D-3-I27-005	27 Sep.	13:30	14:00	Giancarlo		RIZZA	Ecole Polytechnique	Beyond the ion-beam shaping mechanism: toward plasmonic applications
	D-3-O27-006	27 Sep.	14:00	14:20	Devesh	K	Avasthi	Inter University Accelerator Centre (IUAC)	A study on consequences of SHI irradiation of Zn-silica nanocomposite thin film: Electronic sputtering and growth of nanoparticles
	D-3-O27-007	27 Sep.	14:20	14:40	Hiroshi		AMEKURA	Nat Inst for Mater Sci	Critical Evaluation of the Synergy Model for Elongation of Embedded Nanoparticles by Swift Heavy Ion Irradiation
Closing		27 Sep.	14:40	14:45	Takaaki		AOKI	Kyoto University	

## Poster session

Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle	Account: FAMILY NAME	Account: Affiliation	Abstract title
D-3-P26-001	26 Sep.	16:30	18:30	Wolfgang		ENSINGER	Darmstadt University of Technology	Hermetic Protection of Rings by Ion Beam Sputter Coating with a Broad Beam Ion Source and a W-Shaped Hollow Sputter Target
D-3-P26-002	26 Sep.	16:30	18:30	Yasuhiro		YONEDA	Japan Atomic Energy Agency	Ion-irradiation Effect on Topological Disorder System of SmFe2 and TbFe2
D-3-P26-003	26 Sep.	16:30	18:30	Hirofumi		RYUTO	Kyoto University	Irradiation Effects of Ethanol Cluster Ion Beam on Mica Surface
D-3-P26-004	26 Sep.	16:30	18:30	Mitsuaki		TAKEUCHI	Kyoto University	Ion Beam Properties of Ionic Liquid Ion Source with Porous Emitter for BMI-PF6 and EMI-BF4
D-3-P26-005	26 Sep.	16:30	18:30	Koumei		BABA	Industrial Technology Center of Nagasaki	Structure, In Vitro Corrosion Behavior and Wear Properties of TiAlNb Alloy Samples Treated by Plasma Source Ion Implantation
D-3-P26-006	26 Sep.	16:30	18:30	Akane		KITAMURA(OGAWA)	Japan Atomic Energy Agency (JAEA)	Fabrication of Micropatterns on Teflon Surface by Proton Beam Writing and Nitrogen Ion Beam Irradiation
D-3-P26-007	26 Sep.	16:30	18:30	Kenji		YAMAGUCHI	Japan Atomic Energy Agency	Fabrication of highly-oriented silicide film on Si substrate treated by low-energy ion beam
D-3-P26-008	26 Sep.	16:30	18:30	Shunichiro		NAKAGAWA	Kyoto University	Etching of Si by Methanol Gas Cluster Ion Beam Irradiation.
D-3-P26-009	26 Sep.	16:30	18:30	Kazuhiro		IWAMATSU	The University of Tokyo, School of Engineering	Ion Beam Pulse Radiolysis Study of Hydroxyl Radical Probed with Bromide Ion
D-3-P26-010	26 Sep.	16:30	18:30	Katsuyoshi		TAKANO	Osaka University	Three Dimensional Microprocessing for Polymer Films by MeV Ion Beam Lithography
D-3-P26-011	26 Sep.	16:30	18:30	Kenta		MIURA	Gunma University	Fabrication of polymer optical waveguides for the 1.5-micron band using proton beam writing
D-3-P26-012	26 Sep.	16:30	18:30	Malek	Amir	ABUNAEMEHEH	Talladega College	Ion irradiation effects and defects in Glassy Polymeric Carbon for Nuclear Fuel Applications
D-3-P26-013	26 Sep.	16:30	18:30	Malek	Amir	ABUNAEMEHEH	Talladega College	Particle Induced X-ray Emission Spectroscopy and Cyclic Voltammetry Analysis of Selected Toys for Lead
D-3-P26-014	26 Sep.	16:30	18:30	Akihito		YOKOYAMA	Japan Atomic Energy Agency	Development of Real-time Single-ion Hit Detection System
D-3-P26-015	26 Sep.	16:30	18:30	Mikihiro		NOMURA	Shibaura Institute of Technology	Improvement of MOR zeolite membranes by using ion beam irradiation
D-3-P26-016	26 Sep.	16:30	18:30	Masami		IKEYAMA	AIST	High Speed Si-DLC Coatings on Mg-alloy with Higher Repetition Bi-polar Pulses of a PBII System
D-3-P26-017	26 Sep.	16:30	18:30	Sho		SHTOMOTO	Kyoto University	Development of an Electrostatic Quadrupole Lens for MeV-SIMS Imaging
D-3-P26-018	26 Sep.	16:30	18:30	Takaaki		AOKI	Kyoto Univ.	Molecular dynamics simulations of huge fluorine cluster impacts on silicon trench structure
D-3-P26-019	26 Sep.	16:30	18:30	Isao		SAKAGUCHI	National Institute for Materials Science	Thermal Behavior of defects in ion-implanted zinc oxide ceramics
D-3-P26-020	26 Sep.	16:30	18:30	Sho		KATO	Graduate School of Engineering, The University of Tokyo	Nanoparticle Formation by Tungsten Ion Implantation in Glassy Carbon
D-3-P26-021	26 Sep.	16:30	18:30	Masaki		SUGIMOTO	Japan Atomic Energy Agency	Radius control of Ceramic Nano Fiber Synthesized from Precursor Polymer by two steps irradiation method using ion and electron beams
D-3-P26-022	26 Sep.	16:30	18:30	Nunung		NURYANTHI	The University of Tokyo	Ion-Track Membranes of Poly(vinylidene fluoride): Etching Characteristics during Conductometric Analysis
D-3-P26-023	26 Sep.	16:30	18:30	Kazuki		HAYAKAWA	Graduate school, Kogakuin University	Effect of changes in fine structure of the biodegradable plastics on through forming thin film
D-3-P26-024	26 Sep.	16:30	18:30	Hiroshi		TSUJI	Kyoto University	Germanium Negative-Ion Implantation into Quartz Glass for Development of Luminescent Material to be Excited by Low-Energy Electron Beam