

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
Chairpersons:Shoji Maruo (Yokohama National University)									
Keynote	B-7K24-001	24 Sep.	10:30	11:05	Karl	F	BOHRINGER	University of Washington	Heterogeneous Integration of Thin Chips from a Fluidic Interface
Invited	B-7I24-002	24 Sep.	11:05	11:30	Norihisa		MIKI	Keio University	MEMS-based Human Interface Devices
	B-7O24-003	24 Sep.	11:30	11:45	Songsong		ZHANG	National University of Singapore	Piezoresistive Air Flow Meter with Silicon Nanowire as Sensing Element
	B-7O24-004	24 Sep.	11:45	12:00	Ohmi		FUCHIWAKI	Yokohama National University	Study of a transient response and a precise positioning control within 1 step motion by FF/FB control for a 3-DOF inchworm mobile mechanism
Lunch		24 Sep.	12:00	13:30					
Chairpersons: Karl Böhringer (University of Washington)									
Keynote	B-7K24-005	24 Sep.	13:30	14:05	Yuji		SUZUKI	The University of Tokyo	Development of Nano-cluster-enhanced Polymer Electret and Its Application to MEMS-based Vibration Energy Harvesting
	B-7O24-006	24 Sep.	14:05	14:20	Yue		FENG	The University of Tokyo	MEMS-based Cellular Parylene Structure for Piezoelectric Polymer Electret
	B-7O24-007	24 Sep.	14:20	14:35	Kensaku		MONRI	Yokohama National University	Development of three-dimensional power generation devices using ceramics molding process based on microstereolithography.
	B-7O24-008	24 Sep.	14:35	14:50	Rongqian		YAO	College of Materials, Xiamen University	Synthesis and characterization of freestanding SiC(Ti, B) films derived from Ti, B-containing polycarbosilane precursor for MEMS in harsh environments
Break Time		24 Sep.	14:50	15:15					
Chairpersons: Norishisa Miki (Keio University), Shoji Maruo (Yokohama National University)									
	B-7O24-009	24 Sep.	15:15	15:30	YASUhide		KAWAGUCHI	ASAHI GLASS Co.,LTD.	Advanced Fluorinated UV-Curable Resin for UV Nanoimprint
	B-7O24-010	24 Sep.	15:30	15:45	Akihito		OHNO	Yokohama National University	Single-photon microstereolithography using photo-induced deactivation
	B-7O24-011	24 Sep.	15:45	16:00	Rikiya		MUNEKATA	Yokohama National University	High Hardness of Conductive Micro Connector Manufactured by Micromolding Method
	B-7O24-012	24 Sep.	16:00	16:15	Chong		WANG	Tokyo Institute of Technology	Oxidation process during the sputter-deposition of SmCo5 thin films
	B-7O24-013	24 Sep.	16:15	16:30	Kazuhiro		UCHIDA	KEIO University	Patterning Glass Nano Particles on Silicon Wafer by Electrospinning through a Stencil Mask
	B-7O24-014	24 Sep.	16:30	16:45	Tomomi		INABA	Keio University	Application of a swelling process of Super Absorbent Polymer to Micro fabrication
	B-7O24-015	24 Sep.	16:45	17:00	Gunawan	Setia	PRIHANDANA	Keio University	Nanoporous parylene film on Polyethersulfone membrane for nanofiltration
Chairpersons:Shoji Maruo (Yokohama National University)									
Invited	B-7I25-001	25 Sep.	10:30	10:55	Shoji		TAKEUCHI	University of Tokyo	Hydrogel Assembly in Microfluidic Devices for Biomedical Application
Invited	B-7I25-002	25 Sep.	10:55	11:20	Keisuke		MORISHIMA	Osaka University	Emergent Functionality of Regenerative Bionic Systems Powered by Chemical Energy for Cellular Build Up Wet Robotics
Invited	B-7I25-003	25 Sep.	11:20	11:45	Yuichi		HIRATSUKA	Japan Institute of Advanced Science and Technology (JAIST)	Micromechanical Device powered by Protein Motors
	B-7O25-004	25 Sep.	11:45	12:00	Ryo		ORIHARA	Yokohama National University	Experimental Study on Mechanism of Flagellar Motion of Bovine Sperm
Lunch		25 Sep.	12:00	13:30					
Chairpersons:Keisuke Morishima (Osaka University)									
Invited	B-7I25-005	25 Sep.	13:30	13:55	Hiroshi		KANO	Muroran Institute of Technology	Localization of surface plasmons on a flat metal surface and its applications to bio-sensing
Invited	B-7I25-006	25 Sep.	13:55	14:20	Ta-Jen		YEN	National Tsing Hua University	Label-free, coupler-free, scalable and intracellular bio-sensing and bio-imaging by multi-mode plasmonic resonances in metamaterials
	B-7O25-007	25 Sep.	14:20	14:35	Tomoyuki		YASUKAWA	University of Hyogo	Rapid and simple discrimination of cell surface antigen based on dielectrophoretic manipulation
	B-7O25-008	25 Sep.	14:35	14:50	Hisataka		MARUYAMA	Nagoya University	Fabrication and Cell Injection of Fusogenic Liposome Containing Single Sensor for Intracellular Measurement
Break Time		25 Sep.	14:50	15:15					
Chairpersons:Hiroshi Kano (Muroran Institute of Technology)									
Invited	B-7I25-009	25 Sep.	15:15	15:40	Fumihito		ARAI	Nagoya University	On-chip Robotics: High-speed Integrated Systems for Biomedical Innovation
	B-O25-010	25 Sep.	15:40	15:55	Akihiko		ICHIKAWA	Nagoya University	On-chip cell loading by untethered mobile micro-robot with pumping function
	B-7O25-011	25 Sep.	15:55	16:10	Takashi		IKEGAMI	Yokohama National University	Metalized movable micromachines produced by the combination of two-photon microfabrication and electroless plating
	B-7O25-012	25 Sep.	16:10	16:25	Ryota		OZAWA	Yokohama National University	Metallic nanowire manipulation using an optical vortex for microfluidic applications