

MMS2016 Program

Tuesday, May 24, 2016

18:00 -	Welcome Reception (Registration) -- "Lounge", 1F, Hyatt Regency Tokyo
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Wednesday, May 25, 2016

8:30 - 11:00	Registration -- "EXCELLECE", 27F, Hyatt Regency Tokyo
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at the "EXCELLECE", 27F, Hyatt Regency Tokyo

Opening Session		
Time		
9:00 - 9:10	Opening Remarks	Isao Shimoyama

Session 1: Country and Region Reviews (Part I)		
Session Chair: Paolo Dario / Daniel Lupi		
Time	Country/Region	Chief Delegate
9:10 - 9:25	Benelux -	Albert Van den Berg
9:25 - 9:40	European Commission -	Henri Rajbenbach
9:40 - 9:55	France - Overview of French activity	Michel de Labachellerie
9:55 - 10:10	Germany - Country Overview Germany	Thomas Gessner
10:10 - 10:25	Iberia -	Carles Cané

10:25 - 10:55	Break
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Session 1: Country and Region Reviews (Part II)		
Session Chair: Albert Van den Berg / Henri Rajbenbach		
Time	Country/Region	Chief Delegate
10:55 - 11:10	Italy -	Paolo Dario
11:10 - 11:25	Japan -	Isao Shimoyama
11:25 - 11:40	Korea -	Tae Song Kim
11:40 - 11:55	Latin America -	Daniel Lupi
11:55 - 12:10	Nordic - Status of the Nordic Region	Per Ohlckers
12:10 - 12:25	Romania -	Adrian Dinescu

12:25 - 13:30	Group Picture -- "EXCELLECE", 27F, Hyatt Regency Tokyo
	Lunch -- "EXCELLECE", 27F, Hyatt Regency Tokyo

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Session 1: Country and Region Reviews (Part III)		
Session Chair: Adrian Dinescu / Isao Shimoyama		
Time	Country/Region	Chief Delegate
13:30 - 13:45	Singapore - Development and Manufacturing Activities in Singapore	Rakesh Kumar
13:45 - 14:00	Switzerland -	Philippe Fischer
14:00 - 14:15	Taiwan - Medical Applications of MEMS: Current Status	Jin-Chern Chiou
14:15 - 14:30	USA - Country Report	Michael Gaitan

14:30 - 15:00	Break
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Session 2: Smart Monitoring by MEMS			
Session Chair: Michel de Labacherie / Per Ohlckers			
Time	Presentation	Speaker	Country and Region
15:00 - 15:15	MEMS Solutions as Application Enablers	Leopold Beer, Bosch Sensortec GmbH	Germany
15:15 - 15:30	Impact of Big Data and Software Driven Applications and Advances in Hardware such as MEMS and Their Relevance for Traditional Medical Markets	Uwe Kleinkes, HSHL	Germany
15:30 - 15:45	MEMS in the World of IoT	Susumu Kaminaga, SPP Technologies Co., Ltd.	Japan
15:45 - 16:00	Smart Road Infrastructure Monitoring System (RIMS) for the Reduction of Life Cycle Costs	Koichi Imanaka, NMEMS Technology Research Organization	Japan
16:00 - 16:15	Creating Smart Spaces Using Intelligent Devices and Micro Systems: GS Nanotech Experience and Plans	Sergei Belyakov, GS-Nanotech	Russia
16:15 - 16:30	Infrastructures for Cloud Service Robotics in Healthcare Applications	Filippo Cavallo, Scuola Superiore Sant'Anna	Italy
16:30 - 16:45	Development of A Microsystem for Smart Monitoring to Improve QoL (Quality of Life) in Aging Society	Yoshio Sekiguchi, OMRON Corporation	Japan

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Panel Discussion (1):		Future Trend on IoT/Smart Sensing Application of MEMS/MST for Aging Society	
Coordinator: Paolo Dario			
Time	Panellist		
16:45 - 17:30	Isao Shimoyama Michael Gaitan	Thomas Gessner Luis Fonseca	
18:00 - 20:00		Banquet and Cultural Entertainment -- "SKY ROOM", 28F, Hyatt Regency Tokyo	

Thursday, May 26, 2016

at the "EXCELLECE", 27F, Hyatt Regency Tokyo

Session 3: Medical Application of MEMS (1)			
Session Chair: Thomas Gessner / Rakesh Kumar			
	Presentation	Speaker	Country and Region
9:00 - 9:15	Standards in Microfluidics, A Status Update	Henne van Heeren, enablingMNT	Benelux
9:15 - 9:30	Making Biomachines Using Living Cells	Molina Franck, Sys2diag CNRS/ALCEDIAG	France
9:30 - 9:45	Organ on Chip for Predictive Toxicology and Pharmaceutical Screening Applications	Eric Leclerc, CNRS	France
9:45 - 10:00	Digitalization in Health Care and Disease Treatment	Thomas R. Dietrich, IVAM Microtechnology Network	Germany
10:00 - 10:15	Wearable Ring Sensors in Parkinson Disease: Early Diagnosis, Therapy Support and Rehabilitation	Filippo Cavallo, Scuola Superiore Sant'Anna	Italy
10:15 - 10:45		Break	

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Session 3: Medical Application of MEMS (2)			
Session Chair: Carles Cané / Philippe Fischer			
	Presentation	Speaker	Country and Region
10:45 - 11:00	BioMEMS towards Medical Diagnosis	Hiroyuki Fujita, IIS, The University of Tokyo	Japan
11:00 - 11:15	Microfluidic Rapid Antibiotic Susceptibility Testing	SungHoon Kwon, Seoul National University	Korea
11:15 - 11:30	Micro Nanofabrication of Portable Medical Systems for Health Monitoring and Diagnostic	Carmen Moldovan, National Institute for R&D in Microtechnologies (IMT)	Romania
11:30 - 11:45	Opportunities and Challenges of In Vitro Diagnostic Rapid Tests in Aging Society	Yu-Cheng Lin, National Cheng Kung University	Taiwan

11:45 - 12:45	Lunch -- "EXCELLECE", 27F, Hyatt Regency Tokyo
	Chief Delegate Meeting -- "APPLAUSE", 27F, Hyatt Regency Tokyo

Session 4: New life Style with MEMS			
Session Chair: Isao Shimoyama / Jin-Chern Chiou			
Time	Presentation	Speaker	Country and Region
12:45 - 13:00	Applications of LoC Systems for Medical Diagnostics	Reinhard Streiter, Fraunhofer ENAS	Germany
13:00 - 13:15	Nffa: Free Access to The Widest Range of Tools for Research at The Nanoscale	Luis Fonseca, CNM-CSIC	Iberia
13:15 - 13:30	Integrated Wearable Sensors for Elderly People Critical Events Detection in Home Environment	Alessandro Leone, National Research Council of Italy - Institute for Microelectronics and Microsystems	Italy
13:30 - 13:45	Microsystems for The Diagnosis of Alzheimer'S Disease	Ji Yoon Kang, Korea Institute of Science and Technology	Korea
13:45 - 14:00	Commercial Challenges in MEMS Systemization	Steven Walsh, UNM MANCEF	USA

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Session 5: MEMS Industrialization			
Session Chair: Tae Song Kim / Michael Gaitan			
Time	Presentation	Speaker	Country and Region
14:00 - 14:15	International Cooperation in MEMS Research – Example Fraunhofer (Germany) and Tohoku University (Japan)	Joerg Froemel, Fraunhofer Project Center MEMS/NEMS devices at Tohoku University	Germany
14:15 - 14:30	The Fraunhofer Model and Collaboration with Fraunhofer-Gesellschaft as an example in Japan	Hideya Miki, Fraunhofer Representative Office Japan	Germany
14:30 - 14:45	Introduction of Research and Development of Next-Generation Lithography Technology	Yongfang Li, Toshiba Corp.	Japan
14:45 - 15:00	Introduction of UMEMSME(Ubiquitous MEMS and Micro Engineering Research /AIST)	Ryutaro Maeda, National Institute of Advanced Industrial Science and Technology	Japan
15:00 - 15:15	Packaging and Interconnection Techniques for Cryogenic Superconducting Optoelectronic Devices	Per Ohlckers, University College of Southeast Norway (HSN)/Norwegian Centre of Expertise Micro- and Nanotechnology	Nordic
15:15 - 15:30	MEMS and Micro/Nanoelectronics Activities in Namitec Joint Project, Brazil	Antonio Seabra, Escola Politecnica, University of Sao Paulo	Latin America

15:30 - 15:50	Break
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Panel Discussion (2):	Future Trend on Bio-Medical Application of MEMS/MST for Aging Society		
Coordinator: Albert Van den Berg			
Time	Panellist		
15:50 - 16:45	Philippe Fischer Carles Cané Per Ohlckers	Henne van Heeren Uwe Kleinkes	

Closing Session		
Time		
16:45 - 17:00	Closing Remarks	Isao Shimoyama

(Meeting Place: 2F, Main Lobby in the front of "Hotel Front" at 17:20 p.m.)

17:30 - 22:00	Dinner-cruise on YAKATABUNE (Traditional Japanese Boat) at Tokyo Bay
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