

## Program Micromachine Summit 2015 Berlin

May 10th

16:00 - 20:00 Registration  
 18:30 - 21:00 Welcome reception & dinner (hotel)

May 11th

08:00 - 12:00	Registration	
Country reviews		
part I	Chair: Thomas Gessner	
09:00 - 09:20	Opening session	Thomas Gessner, Senat Berlin
09:20 - 09:35	Country review Australia	Dwayne Kirk
09:35 - 09:50	Country review Benelux	Albert van den Berg
09:50 - 10:05	Country review China	Rong Zhu
10:05 - 10:20	Review European Commission	Henri Rajbenbach
10:20 - 10:35	Country review France	Michel de Labachellerie
10:35 - 11:00	Coffee break	
part II	Chair: Phillippe Fischer	
11:00 - 11:15	Country review Germany	Thomas Gessner
11:15 - 11:30	Review Iberia	Carles Cané
11:30 - 11:45	Country review Italy	Paolo Dario
11:45 - 12:00	Country review Japan	Isao Shimoyama
12:00 - 12:15	Country review Korea	Tae Song Kim
12:15 - 12:30	Review Latin America	Jacobus Swart
12:30 - 13:00	Photo session	
13:00 - 14:00	Lunch	
part III	Chair: Paolo Dario	
14:00 - 14:15	Review Nordic	Per Øhlckers
14:15 - 14:30	Country review Romania	Alexandra Stefanescu
14:30 - 14:45	Country review Russia	Denis Urmanov
14:45 - 15:00	Country review Singapore	Jianmin Miao
15:00 - 15:15	Country review Switzerland	Philippe Fischer
15:15 - 15:30	Country review Taiwan	Yu-Cheng Lin
15:30 - 15:45	Country review USA	Michael Gaitan
15:45 - 16:15	Coffee break	
16:15 - 17:00	Internet of Things	Torsten Thieme (memsfab)/Thomas Gessner (Fraunhofer ENAS)
18:00 - 23:00	River cruise & dinner	

May 12th

<b>09:00 - 10:15 Manufacturing</b>		<b>Chair: Isao Shimoyama</b>	
09:00	Manufacturing smart systems in Europe	Henri Rajbenbach	European Commission
09:15	State of current international activities of European SME MEMS companies, challenges and prospects	Uwe Kleinkes	Hochschule Hamm-Lippstadt
09:30	Next frontiers of sensing: from standalone to context awareness capabilities	Nunzio Abbate	STMicroelectronics
09:45	Microfabrication technologies and microassembly for smart actuators	Arianna Menciassi	Scuola Superiore Sant'Anna
10:00	Foundry technologies: from MEMS to NEMS	Vincent Gaff	Tronics Microsystems
<b>10:15 - 10:45 Coffee break</b>			
<b>10:45 - 12:30 Industrial automation</b>		<b>Chair: Dwayne Kirk</b>	
10:45	Robust sensor nodes for industrial automation	Harald Pötter	Fraunhofer IZM
11:00	Micro-machined based electrochemical vibration sensor and its applications	Junbo Wang	Institute of Electronics, CAS
11:15	Industry 4.0 - Application of self navigating robots in complex semiconductor production	Heinz Martin Esser	Roth & Rau - Ortner GmbH
11:30	The long path to improve performance of the micromachined inertial sensors	Honglong Chang	Northwestern Polytechnical University
11:45	Smart bio-inspired visual sensors for robotics	Stéphane Viollet	CNRS, Institute of Movement Sciences
12:00	Smart Factory: An intelligent combination of sensors, automation technology and high-tech production equipment	Thomas Dietrich	IVAM
12:15	Critical success factors for the commercialization of MEMS	Roger Grace	Roger Grace Associates
<b>12:30 - 14:00 Lunch</b>			
<b>14:00 - 15:45 Innovation centers</b>		<b>Chair: Michael Gaitan</b>	
14:00	Advancement of emerging technologies through public-private partnership programs	Dan Holladay	CAMF, UCF
14:15	Swiss Advanced Manufacturing Research Center - SAMARC	Philippe Fischer	FSRM
14:30	Argentinian NANOFAB Services: From Nanotech to IoT for smart factory	Daniel Lupi	Nanotechnology foundation, Buenos Aires

14:45	Mechatronic cluster established in Rovereto, focused on smart manufacturing	Massimo Gentili	FBK-Materials e Microsystems Center
15:00	Nano/MEMS Open Innovation Center in Japan	Takashi Mihara	Micromachine Center
15:15	Nordic cooperation in the Nordic NanoLab Network	Kay Gastinger	NTNU NanoLab
15:30	From nanotech research facility to high tech factory production facility	Janneke Hoedemaekers	MESA+ Institute, University Twente
<b>15:45 - 16:15 Coffee break</b>			
16:15 - 17:45	<b>Special applications of MEMS</b>	Chair: Carles Cané	
16:15	Smart systems for health monitoring of electronics micromanufacturing chain	Dumitru Ulieru	SITEX 45 SRL
16:30	Highly integrated LoC Systems: Application and Fabrication aspects	Thomas Otto	Fraunhofer ENAS
16:45	Lab-on-a-Chip Design & Foundry Service	Roland Zengerle	Hahn-Schickard, Freiburg
17:00	Lab in a droplet: On-demand digital microfluidics for on-chip bioscreening	Tuncay Alan	Monash University Mechanical and Aerospace Engineering Dept
17:15	A parametric thermal simulation model for a noninvasive blood glucose sensor	Per Ohlckers, M. Nadeem Akram and Asmat Nawas	Buskerud and Vestfold University College, Horten, Norway
17:30	Microtechnologies meet agrofood: an european clustering action	Leandro Lorenzelli	FBK – Center for Materials and Microsystems
19:00	Dinner		

May 13th

09:00	Start of technical tour (by bus)
09:30 - 11:45	Arrival Fraunhofer IZM, guided tours
11:45 - 12:30	Lunch (small buffet)
12:30	Departure
13:30 - 15:30	Arrival First Sensor AG, guided tours
15:30 - 16:00	Coffee break
16:00	Departure First Sensor AG
16:45	Arrival Melia Hotel