

MMS2013 Program

April 21 (Sunday)~ April 24 (Wednesday)

Topic of Special Interest for MMS2013:

- Smart City, Better Life-Powered by Micro-/Nano-technology
- Merging Boundaries among Macro-/Micro-/Nano-world

Sunday, April 21, 2013 Registration & Welcome Reception

TIME	WORLD MICROMACHINE SUMMIT
10:00-22:00	Registration (Hongta Hotel Shanghai)
18:30-21:00	Welcome Reception (Mezzanine Lounge, 2 nd Floor, Hongta Hotel Shanghai)

**Monday, April 22, 2013
Morning Session**

TIME	WORLD MICROMACHINE SUMMIT
8:00	Opening Zhaoying Zhou

SESSION 1: CHIEF DELEGATES COUNTRY AND REGION REVIEWS		
SESSION CHAIR: Zhiyu Hu and Denis Urmanov		
TIME	COUNTRY/REGION	CHIEF DELEGATE
8:30	Australia	Jason Chaffey
8:40	Benelux	Albert Van den Berg
8:50	Canada	Daniel Gale
9:00	China	Zhaoying Zhou
9:10	Germany	Thomas Gessner
9:20	Italy	Paolo Dario
9:30	Break	
SESSION 2: CHIEF DELEGATES COUNTRY AND REGION REVIEWS		
SESSION CHAIR: Albert Van den Berg and Nicolas Chaillet		
TIME	COUNTRY/REGION	CHIEF DELEGATE
10:00	Japan	Isao Shimoyama
10:10	Korea	Jun-Bo Yoon
10:20	Latin America	Jacobus Swart
10:30	Nordic	Per Ohlckers
10:40	Romania	Radu Popa
10:50	Russia	Denis Urmanov
11:00	Break/Group Picture	

SESSION 3: CHIEF DELEGATES COUNTRY AND REGION REVIEWS		
SESSION CHAIR: Jason Chaffey and Daniel Gale		
TIME	COUNTRY/REGION	CHIEF DELEGATE
11:30	Singapore	Jianmin Miao
11:40	Switzerland	Philippe Fischer
11:50	USA	Yogesh Gianchandani
12:00	France	Nicolas Chaillet
12:10	European Commission	Henri Rajbenbach
12:20	Lunch at Hongta Hotel on the 4th Floor	

Monday, April 22, 2013
Afternoon Session

SESSION 4: Smart City, Better Life-Powered by Micro-/Nano-technology – MEMS Applications	
SESSION CHAIR: Jianmin Miao and Paolo Dario	
TIME	TOPIC AND SPEAKER
14:00~14:15	Electronic Paper Displays for Smart Cities <i>Prof. Guofu Zhou, Philips, Benelux</i>
14:15~14:30	MEMS for Dynamic Telecommunication Networks <i>Prof. Yuan Ma, Dalhousie University, Canada</i>
14:30~14:45	R&D and Commercialization of Piezoelectric MEMS Resonators: From Paper to Production <i>Prof. Wei Pang, Tianjin University, China</i>
14:45~15:00	Flexible Inorganic Self-Powered Electronic Systems <i>Mr. Keon Jae Lee, KAIST, Korea</i>
15:00~15:15	Present and Future Applications of MEMS for Automotive Industry <i>Mr. Pascal Viaud, Yole D'éveloppement, France</i>
15:15~15:30	New MEMS Sensors Applications – From User Interface to User Environment Tracking <i>Dr. Leopold Beer, Bosch Sensortec, Germany</i>
15:30~15:45	Micro/Nano Technology Aspect of the Urbanization in China <i>Prof. Zhiyu Hu, Shanghai Jiao Tong University & Shanghai University, China</i>
15:45~16:30	Break

SESSION 5: Panel Discussion – Smart City, Better Life	
SESSION CHAIR AND HOST: Thomas Gessner and Henri Rajbenbach	
TIME	TOPIC AND SPEAKER
16:30~17:30	Panel Discussion
17:30~18:00	Break
18:30~20:30	Banquet in Astor Ballroom on 2nd floor at Hongta Hotel

Tuesday, April 23, 2013
Morning Session

SESSION 6: Smart City, Better Life-Powered by Micro-/Nano-technology – MEMS Applications	
SESSION CHAIR: Isao Shimoyama and Jacobus Swart	
TIME	TOPIC AND SPEAKER
08:30~08:45	Smart Systems for Smart Cities in Germany – How Microsystems Assist in Intelligent Buildings <i>Prof. Uwe Kleinkes, Hochschule Hamm-Lippstadt, Germany</i>
08:45~09:00	Printed Circuit Board Microsystems for Wireless Sensor Nodes <i>Prof. Klas Hjort, Uppsala University, Nordic</i>
09:00~09:15	MEMS-based Wireless Sensor Networks for Technical Monitoring in Russia <i>Dr. Denis Urmanov, Russian MEMS Association, Russia</i>
09:15~09:30	Micro/Nano Sensors and Systems for Industry <i>Prof. Wendong Zhang, Taiyuan University of Technology, China</i>
09:30~09:45	Industry-University Collaborative Research Centers, a US Model for Successful Interactions <i>Dr. Andrew Oliver, University of Michigan, USA</i>
09:45~10:00	Micro/Nano Manipulations and Equipment <i>Prof. Lining Sun, Soochow University, China</i>
10:00~10:30	Break

SESSION 7: Smart City, Better Life-Powered by Micro-/Nano-technology – Current Status and Future Prospects	
SESSION CHAIR: Per Ohlckers and Jun-Bo Yoon	
TIME	TOPIC AND SPEAKER
10:30~10:45	Will Micro Total Analysis System (μ TAS) Become Consumer Products? <i>Mr. Pascal Viaud, Yole Développement, France</i>
14:15~14:30	Experiences of a German Company on the Russian Market <i>Dr. Torsten Thieme, Memsfab, Germany</i>
11:00~11:15	"Smart Small Towns": Preserving Quality of Life and Enhancing Inclusion of Citizens Using Micro-nanotechnology <i>Prof. Paolo Dario, Scuola Superiore Sant'Anna, Italy</i>
11:15~11:30	The New Bicentennial Center of Micro and Nanotechnology in Argentina <i>Dr. Daniel Oreste Lupi, National Institute of Industrial Technology, Latin America</i>
11:30~11:45	Hybrid Nanooptics based on controlled nanoscale energy transfers <i>Prof. Renaud Bachelot, University of Technology of Troyes, France</i>
11:45~12:00	Smart and Livable Urban Systems: The Future Cities Laboratory <i>Prof. Gerhard Schmitt, Singapore-ETH Centre Future Cities Laboratory, Switzerland</i>
12:00	<i>Chief Delegates: Lunch at Hongta Hotel (Danieli's Italian Restaurant on 39th Floor)</i> <i>Delegates: Lunch at Hongta Hotel on the 4th Floor</i>

Tuesday, April 23, 2013
Afternoon Session

SESSION 8: Smart City, Better Life-Powered by Micro-/Nano-technology – Marketing: Past, Today and Future SESSION CHAIR: Radu Popa and Philippe Fischer	
TIME	TOPIC AND SPEAKER
14:00~14:15	MEMS-based Nano-biotechnology <i>Prof. Tie Li, Shanghai Institute of Microsystem And Information Technology, China</i>
14:15~14:30	First Open Innovation Center of MEMS in Japan: MNOIC <i>Dr. Takashi Mihara, Micromachine Center, Japan</i>
14:30~14:45	Microlabs to Water Springs Quality Control <i>Mr. Nilton Morimoto, Polytechnic School of University of São Paulo, Latin America</i>
14:45~15:00	Use and Development of Super-capacitors for Maritime and Automotive Applications <i>Prof. Per Ohlckers, Vestfold University College, Nordic</i>
15:00~15:15	Microsystems Research for Societal Impact <i>Prof. Yogesh Gianchandani, University of Michigan, USA</i>
15:15~15:30	Micro/Nano Tech at Suzhou Industry Park <i>Mr. D. C. Zhang, Suzhou Industrial Park Science & Technology Development Bureau, China</i>
15:30~16:30	Break

SESSION 9: Panel Discussion – Merging Boundaries among Macro-/Micro-/Nano-world SESSION CHAIR and HOST: Yogesh Gianchandani and Tie Li	
TIME	TOPIC AND SPEAKER
16:30~17:30	Panel Discussion
17:30~19:00	Dinner on the 4th Floor
19:00~19:15	Boarding Bus for Night Cruise (in Front of the Hotel)
20:00~22:00	Huangpu River Night Cruise

Wednesday, April 24, 2013
Technical Tour

TIME	Events
7:15~7:30	Boarding Bus for Technical Tour (in Front of the Hotel)
9:00~9:45	Jiading Urban Planning Exhibition Hall
9:45~11:15	Tongji University (Wind Tunnel, Building Structure Testing Facility)
11:15~12:00	Shanghai Auto Museum
12:00~13:00	Lunch at Shanghai Auto Museum
13:00~14:00	Bus from Shanghai to Suzhou
14:00~14:40	Suzhou Industrial Park Administrative Committee
14:45~17:45	Visiting Nanopolis Suzhou
18:00~19:30	Dinner at Suzhou
19:30~21:00	Return to Hongta Hotel