



12th World Micromachine Summit

April 27-29 , 2006 , Beijing, China

Schedule

April 26, Wednesday

- ◆ Registration at Building No.16 at Jihua Spa & Resort 10:00-19:00
- ◆ Welcome cocktail at Jihua Spa & Resort 19:00-21:00

April 27, Thursday

- ◆ Registration at Building No.16 at Jihua Spa & Resort 8.00 – 9.00
- ◆ Opening Ceremony : 9:00 – 9:15
 - ▲ Opening Remarks (Prof. Zhaoying Zhou, Tsinghua University)
 - ▲ Welcome speech (Guobiao Wang, NSFC)
- ◆ Session : Country/Region Review
 - ▲ Australia (Jason Chaffey/ Ian Bates, DSTO/RMIT University) 9:15-9:27
 - ▲ Benelux (Albert van den Berg, University of Twente) 9:27-9:39
 - ▲ Canada (Daniel Gale, CMC) 9:39-9:51
 - ▲ China (ZhaoYing Zhou, Tsinghua University) 9:51-10:03
 - ▲ EU (Augusto De Albuquerque, European Commission) 10:03-10:15
 - ▲ France (Emmanuel BIGLER, ENSMM & FEMTO-ST) 10:15-10:27
- Coffee Break 10:27-11:00
 - ▲ Germany (Roland Zengerle, IMTEK) 11:00-11:12
 - ▲ India (Shiban K Koul, IIT) 11:12-11:24
 - ▲ Japan (Isao Shimoyama, The University of Tokyo) 11:24-11:36
 - ▲ Korea (Young-Ho Cho, Digital Nanolocomotion) 11:36-11:48
 - ▲ Mediterranean (Paolo Dario, SSSA – CRIM Lab) 11:48-12:00
 - ▲ Nordic (Per Ohlckers, Vestfold University) 12:00-12:12



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▲ Singapore (Sum Huan Ng, National University of Singapore)	12:12-12:24
Lunch	12:30
▲ Switzerland (Nico De Rooij, University of Neuchatel)	13:30-13:42
▲ Taiwan, China (Pei-Zen Chang/ Lung-Jieh Yang, IAM)	13:42-13:54
▲ United Kingdom (Geoffrey Beardmore, Myriad Technology)	13:54-14:06
▲ USA (Michael Gaitan, NIST)	14:06-14:18
◆ Session : Strategy, and Cooperation	
▲ "European Research Towards a NMT based Manufacturing Industry" (Hans-Hartmann Pedersen, EU)	14:18-14:30
▲ Fraunhofer IZM - MEMS Cooperation with China (Thomas Gessner, Germany)	14:30-14:42
▲ "Start-up companies in Benelux" (Albert van den Burg, Benelux)	14:42-14:54
Coffee Break	14:54-15:30
◆ Session : Strategy, and Cooperation (cont.)	
▲ "Investing in Australia" (Grace Ji, Invest Australia Beijing Office)	15:30-15:42
▲ "Recent MEMS and Nanotech R&D Activities in Hong Kong" (Wen J Li, HongKong, China)	15:42-15:54
◆ Session : Infrastructures and Education	
▲ "The Status of independent Foundries in the World MEMS Industry" (Bruce Alton, Canada)	15:54-16:06
▲ "The Development and Commercialization of Biochips in China" (Jing Cheng, CapitalBio, China)	16:06-16:18
◆ End of Day 1	16:18
Departure for the Great Wall	16:40
Dinner at Jiuhua Spa & Resort (including performance)	20:00



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April 28, Friday

- ◆ Session : Infrastructures and Education (cont.)
 - ▲ The UK MNT Network - Contributing to Global Success (Ron Lawes, Imperial College London) 8:30-8:42
 - ▲ Nanotechnology and Microsystem Education in Taiwan – From K to 12 & Beyond (Long-Sheng Fan, Taiwan, China) 8:42-8:54
 - ▲ “ Microsensors and Microsystems –MEMS research at IECAS” (Shanhong Xia, IECAS) 8:54-9:06
 - ▲ “Bio-inspired N/MEMS Research at Digital Nanolocomotion Center” (Young-Ho Cho, Korea) 9:06-9:18
 - ▲ “Acivities at the University of South Australia” (Alexander Hariz, University of South Australia) 9:18-9:30

- ◆ Session : Market, Industrialization and Standardization
 - ▲ “MST/MEMS market forecast 2005 - 2009: conclusions from the Nexus analysis” (Henning Wicht, Germany) 9:30-9:42
 - ▲ “ MEMS industrialization in Taiwan and evolution in foundry model ” (Ma Chien-Yung, Touch Micro-system Technology Corp.) 9:42-9:54
 - ▲ “Towards advancement of MEMS industry in Japan” (K. Aoyagi, Micromachine Center) 9:54-10:06
 - ▲ “Mems Industry Perspective On Remaining Technical Challenges In Mems” (Dr. Clifford Fung, MEMS Industry Group) 10:06-10:18
 - ▲ “Overview of Latest Nexus Market Analysis and Road mapping activities” (Sean Neylon , NEXUS) 10:18-10:30

- Coffee Break 10:30-11:00

- ◆ Session : Market, Industrialization and Standardization (cont.)



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- ▲ “Good Food: Food Safety and Quality with Microsystems” 11:00-11:12
(Luis Fonseca, CNM-IMB (CSIC))
- ▲ “Testing and Characterization of MEMS/MOEMS” (Sen Han, 11:12-11:24
VECCO)
- ▲ “Low Temperature Wafer Bonding” (Li Gong, Suss MicroTec) 11:24-11:36
- ▲ “Jinshan Science & Technology” (JinShan Wang, JINSHAN 11:36-11:48
Co.)

◆ Session : To Nano-technology

- ▲ “Zyvex: Nanotechnology without the Hype” (Thomas Cellucci, 11:48-12:00
Zyvex)
- ▲ “Nano-Bio MEMS technology for Medical Application” (M. 12:00-12:12
Terada, OLYMPUS CORPORATION)
- ▲ “Micro/Nano Technologies at Mitsubishi Electric Corporation” 12:12-12:24
(Kazuhiko Tsutswni, MITSUBISHI ELECTRIC
CORPORATION)

Lunch (There will be a Chief Delegates Meeting during the Lunch) 12:30

◆ Session : To Nano-technology (cont.)

- ▲ ““Nano Mark” Program and Its Impacts on Nano-enabled 13:30-13:42
Industries” (Yonhua Tzeng, National Cheng Kung University)
- ▲ “From MEMS to NEMS: What would be the Scientific and 13:42-13:54
Technical Linkage” (Xinxin Li, China)
- ▲ “Micro and Nano Technology in Japan - Example of OMRON 13:54-14:06
Corporation” (K. Imanaka, OMRON Corporation)
- ▲ “Current Major Researches in the Center for Micro/Nano 14:06-14:18
Science and Technology of Jiangsu University” (Jianning
Ding, Jiangsu University, China)
- ▲ “Research on NEMS devices” (Wendong Zhang, North 14:18-14:30
University of China)

◆ Session : Innovative Technology



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- ▲ “Autonomous Microsystems and System-in-Foil Technologies” (Chris Van Hoof, Benelux, The HOLST Centre) 14:30-14:42
- ▲ "New Generation Infrared Security Sensors" (Kevin Liddiard, Electro-optic Sensor Design) 14:42-14:54
- ▲ "Innovative emerging concepts and technologies in chemical sensing" (Mario Zen, ITC-irst) 14:54-15:06

Coffee Break 15:06-15:30

◆ Session : Innovative Technology (cont.)

- ▲ “Introduction to MEMS Center, Institute of Microelectronics” (Zhihong Li, Peking University, China) 15:30-15:42
- ▲ “Micromachines for Endoluminal Surgery”(Paolo Dario , Mediterranean) 15:42-15:54

◆ Session : Others (Including Panel Discussion) 16:06-16:30

◆ End of Day 2

Departure for Tiananmen Square, Jiuhuashan Roast Duck and the City Night Scene 16:40

- ▲ Tour of Tiananmen Square 18:15~18:45 18:15-18:45
- ▲ Dinner at Jiuhuashan Roast Duck Restaurant 19:30

April 29, Saturday – Technical Tour

Bus to Tsinghua University 8:30-9:30

Tour of Tsinghua University 9:30-10:00

Bus to Capital Biochip Corporation 10:00-10:45

Tour of Capital Biochip Corporation 10:45-12:00

Lunch at Jihua Spa & Resort 12:00-13:00

Bus back to Jihua Spa & Resort 13:00-14:00



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Free time

14:00