# ICMAN2011, Shenzhen, China
## Preliminary Technical Program

### AM, Nov. 6th (Sunday)

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<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tr>
<td>08:00-08:30</td>
<td>Opening ceremony, Chair: Prof. Xuejin Li and Prof. Yi-Kuen Lee</td>
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<td>08:30-08:45</td>
<td>Opening remarks and ICMAN conference introduction, by Vice-Chair of China Instrument and Control Society and President of MEMS &amp; NEMS Society of China, CIS</td>
<td>Prof. Zhaoying Zhou, International Committee Chair, ICMAN 2011</td>
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<tr>
<td>08:45-08:55</td>
<td>Speech by Chairman, Shenzhen Science &amp; Technology Association, China</td>
<td>Mr. Luming Zhou</td>
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<td>08:55-09:05</td>
<td>Speech by Chairman, Nanshan Science &amp; Technology Association</td>
<td>Mr. Jiangping Zhu</td>
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<td>09:05-09:15</td>
<td>Speech by Vice President, Shenzhen University</td>
<td>Prof. Hongbiao Du</td>
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<td>09:15-09:30</td>
<td>Group photo</td>
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### 09:30-10:00
**Keynote speech**

*The Future of BioMEMS*

Member of US the National Academy of Engineering, USA

**Dr. Kurt E. Petersen**

### 10:00-10:30
**Keynote speech**

*Can IDM and Fabless MEMS Companies Success by Partnering with a Foundry?*

Director, MEMS Program of TSMC, Taiwan

**Dr. Robert Tsai**

### 10:30-10:45
**Coffee Break**

### 10:45-11:15
**Keynote speech**

*Micro and Nanotechnology for the Energy Industry*

Case Western Reserve University, USA

**Prof. Norman Tien**

### 11:15-11:35
**Keynote speech**

*Development of China Micro/Nano Fabrication*

HIT, China

**Prof. Lining Sun**

### 11:35-11:55
**Keynote speech**

*Venture Capital: the Finance of Innovation*

The Chief Group, Hong Kong

**Dr. Mannie Manhong Liu**

### 12:00-13:30
**Lunch**

### PM, Nov.6th/ Sunday

### 13:30-14:00
**Keynote speech**

*Liquavista - A Commercialisation Case-Study for a Microfluidics Technology*

Display Industry Consultant, Founder and ex-CTO of Liquivista Display Company

**Dr. Rob Hayes**

### 14:00-14:20
**Keynote speech**

*MEMS development in ASTRI*

ASTRI, Hong Kong

**Dr. Ho Yin CHAN**

### 14:20-14:40
**Keynote speech**

*Micro structure optical fiber temperature sensors*

Shenzhen University, China

**Prof. Xuejin Li**

### 14:40-15:00
**Keynote speech**

*Technology platform for low cost inertial MEMS*

Tronics Microsystems, France

**Mr. Vincent GAFF**

### 15:00-15:20
**Keynote speech**

*Nano-Thermoelectric Materials in Energy Conversion*

Shanghai University, China

**Prof. Zhiyu Hu**

### 15:20-15:40
**Coffee Break**

### 15:40-16:10
**Keynote speech**

*Smart cantilevers for bio/chemical molecule detection*

SIMIT-CAS, China

**Prof. XinXin Li**

### 16:10-16:30
**Keynote speech**

*In search of low cost biological analysis: Wax or acrylic glue bonded paper microfluidic devices*

King Abdullah University of Science and Technology, Kingdom of Saudi Arabia

**Dr. Rimantas Kodzius**

### 16:30-16:50
**Keynote speech**

*Innovative High Performance RF MEMS Filter*

Hebei Semiconductor Research Institute/ MT Microsystems Co. Ltd

**Dr. Yongjun YANG**
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<td>16:50-17:10</td>
<td>Prof. Kentaro Totsu</td>
<td>MEMS hands-on access facility aiming to reduce risk of MEMS development</td>
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<td>17:10-17:30</td>
<td>Prof. Jibin Li</td>
<td>Exploration and Thinking of Key Technologies for Multi-Scale Micro-Nano Manufacturing in Large-Size Display Backlight Assembly</td>
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<td>18:00-20:00</td>
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<td>Banquet</td>
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<tr>
<td>08:30-09:00</td>
<td>Prof. Ching-Ping Wong (CP Wong)</td>
<td>Polymeric Nanocomposites for Advanced Electronic and Photonic Packaging Applications</td>
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<td>09:00-09:20</td>
<td>Mr. Oliver Eckstein</td>
<td>Microwave Plasma Sources - Applications in Industry</td>
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<td>09:20-09:40</td>
<td>Mr. Xiaobing Wang</td>
<td>The application and development of micro and nano technology in holography anti-counterfeiting industries</td>
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<td>09:40-10:00</td>
<td>Dr. Bill Parker</td>
<td>Reflective material factory company, Shenzhen Univ.</td>
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<td>Coffee Break</td>
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<tr>
<td>10:20-10:50</td>
<td>Dr. Heinz-Peter Hippler</td>
<td>Smart Micro Nano Technology Systems for Automation – boosting the business for machinery, energy and building markets</td>
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<td>10:50-11:10</td>
<td>Prof. Haixia (Alice) Zhang</td>
<td>MEMS Made in China: Industry, Market and Policy</td>
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<td>11:10-11:30</td>
<td>Prof. Piyawattanametha</td>
<td>Micro- and nano-technology R&amp;D research in Thailand</td>
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<td>11:30-11:50</td>
<td>Yuan Luo</td>
<td>A Novel Optimal Box-Counting Fractal Dimension Algorithm for MEMS Dynamic Measurement</td>
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<td>11:50-12:10</td>
<td>Prof. Yi-Kuen Lee</td>
<td>Chongqing University of Posts and Telecommunications, China</td>
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<td>12:10-12:30</td>
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<td>Lunch</td>
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<td>13:30-14:00</td>
<td>Prof. Rolf Johansson</td>
<td>MEMS in Robotic Work-Space Sensing and Control</td>
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<td>14:00-14:20</td>
<td>Prof. Jin Xie</td>
<td>Technology and application of Eco-efficiency mechanical fabrication for micro-structured functional surface</td>
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<td>14:20-14:40</td>
<td>Dr. Madhu Vasudevanumurthy</td>
<td>Protein nanofibers for bionanotechnology</td>
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<td>14:40-15:00</td>
<td>Prof. Yan Li</td>
<td>Institute for Plant and Food Research Ltd, New Zealand</td>
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<tr>
<td>15:00-15:20</td>
<td>Yanick Yan</td>
<td>A CMOS Time-to-digital converter based multi-voltage threshold system for all digital Positron Emission Tomography</td>
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<td>15:40-17:10</td>
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<td>Panel Discussion</td>
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<td>18:00-20:00</td>
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<td>Farewell Party</td>
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