

# AGENDA

DAY 1 Monday, March 11, 2013	
Place	Lobby, 1F
08:30-09:00	Registration
Place	Room 1101 (11F)
09:00-09:15	<p><b><u>Opening Ceremony</u></b>  <i>Dr. Hong Hocheng</i>            Deputy Minister, National Science Council, Taiwan  <i>Mr. Frederic Laplanche</i>            Head of the European Economic and Trade Office</p>
09:15-09:45	<p><b><u>Keynote Speech (I)</u></b>  <b>Taiwan ICT R&amp;D Strategy</b>  <i>Dr. Liang-Gee Chen</i>            President, National Applied Research Laboratories, Taiwan</p>
09:45-10:15	<p><b><u>Keynote Speech (II)</u></b>  <b>European ICT Research: Towards Horizon 2020</b>  <i>Dr. Libor Kral</i>            Head of Unit A2 (Robotics) in the European Commission, DG Connect</p>
10:15-10:30	Group Photo (Room 1101) & Coffee Break (Room 1010)
Place	Room 1002 (10F)
<b><u>Track 1: 450mm Wafer Transition</u></b>	
<b>Session 1.1</b>	
<p><i>Moderator: Dr. Fu-Liang Yang</i>            Research Fellow, National Nano Device Laboratories, Taiwan</p>	
10:30-12:00	<p>10:30-11:00  <b>1.1-1</b>  <b>imec's 450mm R&amp;D Initiative in Support of the Nanoelectronics Eco-system</b>  <i>Dr. Roger de Keersmaecker</i>            Senior Vice President Strategic Relations, imec, Belgium</p>
	<p>11:00-11:30  <b>1.1-2</b>  <b>The 450mm Transition: Challenges and Expectations</b>  <i>Dr. C.-S. Yoo</i>            Senior Director, E-Beam Operation Division &amp; 450mm Program, Taiwan Semiconductor Manufacturing Company, Ltd., Taiwan</p>
	<p>11:30-12:00  <b>1.1-3</b>  <b>ASML's 450mm Product Strategy &amp; Technology Challenges</b>  <i>Mr. Peter Cheang</i>            Director, Marketing Department, ASML</p>
12:00-13:30	Lunch (Room 1010)
<b>Session 1.2</b>	
<p><i>Moderator: Dr. Shi-Chung Chang</i>            Professor, Department of Electrical Engineering, National Taiwan University, Taiwan</p>	
13:30-15:00	<p>13:30-14:00  <b>1.2-1</b>  <b>Ion Implantation Challenges for 450mm</b>  <i>Mr. Cyrille Gosset</i>            General Manager, IBS ASIA</p>

**DAY 1 Monday, March 11, 2013**

	14:00-14:30	<b>1.2-2</b> <b>450mm Wafer Carrier Development in Taiwan</b> <i>Dr. Jesse Chen</i> Director, Customer Technical Service Division, Gudeng Precision Industrial Co., LTD., Taiwan
	14:30-15:00	<b>1.2-3</b> <b>Equipment, Materials and Manufacturing Towards Larger Wafer Sizes in Europe</b> <i>Prof. Lothar Pfitzner</i> Head of Semiconductor Manufacturing, Fraunhofer, Germany
15:00-15:30	<b>Coffee Break (Room 1010)</b>	
15:30-17:10	<b>Session 1.3</b>	
	Moderator: <i>Dr. Chee Wee Liu</i> Professor, Department of Electrical Engineering, National Taiwan University, Taiwan	
	15:30-15:50	<b>1.3-1</b> <b>Opportunities for the European E&amp;M Industry?</b> <i>Mr. Bas van Nooten</i> Director European Cooperative Programs, ASM International NV, the Netherlands
	15:50-16:10	<b>1.3-2</b> <b>Supply Chains for 3D IC Integration Manufacturing with 300mm and 450mm Wafers</b> <i>Dr. John H. Lau</i> ITRI Fellow, Electronics & Optoelectronics Research Laboratory, ITRI, Taiwan
	16:10-16:30	<b>1.3-3</b> <b>X-ray Metrology for the Advanced Technology Node</b> <i>Dr. Wayne Lin</i> Business Development Manager of Marketing, Bruker AXS GmbH, Germany
	16:30-16:50	<b>1.3-4</b> <b>2 Heads Are Better than 1- Co-exploring the Emerging Opportunity on 450mm</b> <i>Mr. Jui-Lin Yang</i> Manager, System LSI and Process Research Department, ITRI, Taiwan
	16:50-17:10	<b>1.3-5</b> <b>Opportunity of Cross Collaborative Approach in 450mm Transition, per an SME Perspective</b> <i>Mr. Alain Jarre</i> Chairman and CEO, RECIF Technologies, France
18:00-20:00	<b>Banquet (B1, Chang Yung-Fa Foundation International Convention Center)</b>	

**DAY 1 Monday, March 11, 2013**

Place	Room 1003 (10F)	
10:30-12:00	<u><b>Track 2: Robotics</b></u>	
	<b>Session 2.1 - Cognitive Robotics and Intelligent Automation I</b>	
	<p><i>Moderator: Dr. Ren C. Luo</i>            Director, International Center of Excellence on Intelligent Robotics and Automation            Life Distinguished Professor, National Taiwan University, Taiwan</p>	
	10:30-11:00	<p><b>2.1-1</b>  <b>Crossover Death Valley and Gearing up Industrial Robotics Market: Strengthen EU-Taiwan Partnership and Share Risks</b>  <i>Dr. Ren C. Luo</i>            Director, International Center of Excellence on Intelligent Robotics and Automation            Life Distinguished Professor, National Taiwan University, Taiwan</p>
	11:00-11:30	<p><b>2.1-2</b>  <b>EU Public-Private Partnerships in Robotics, Open Robotics Development in Europe and the Public Attitude Towards Robotics</b>  <i>Dr. Alois Knoll</i>            Coordinator of ECHORD &amp; Professor, Technical University, Munich, Germany</p>
11:30-12:00	<p><b>2.1-3</b>  <b>Trends in Industrial Robotics – Technologies for Intelligent Robots</b>  <i>Dr. Ralf Koeppe</i>            Vice President, R&amp;D Division, KUKA Laboratories GmbH, Germany</p>	
12:00-13:30	<b>Lunch (Room 1010)</b>	
13:30-15:00	<b>Session 2.2 - Cognitive Robotics and Intelligent Automation II</b>	
	<p><i>Moderator: Dr. Ren C. Luo</i>            Director, International Center of Excellence on Intelligent Robotics and Automation            Life Distinguished Professor, National Taiwan University, Taiwan</p>	
	13:30-14:00	<p><b>2.2-1</b>  <b>Perspectives of Sensory Guided Industrial Robots</b>  <i>Dr. Kevin Ma</i>            Senior Engineer, Department of Automation Robotics, SHZBG, Hon Hai Precision Industry Co, Ltd., Taiwan</p>
	14:00-14:30	<p><b>2.2-2</b>  <b>Trends in Service Robotics</b>  <i>Mr. Martin Haegele</i>            Coordinator of SME robotics &amp; Head of Department of Robot and Assistive Systems, Fraunhofer Institute for Manufacturing Engineering and Automation, Germany</p>
14:30-15:00	<p><b>2.2-3</b>  <b>Status and Challenges of Intelligent Automation in Taiwan</b>  <i>Dr. Wei-Han Wang</i>            Director, Intelligent Robotics Technology Division, ITRI, Taiwan</p>	
15:00-15:30	<b>Coffee Break (Room 1010)</b>	

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<b>Place</b>	<b>Room 1003 (10F)</b>
15:30-17:10	<p data-bbox="715 302 1043 331" style="text-align: center;"><b>Session 2.3 - Panel Discussion</b></p> <p data-bbox="308 344 1453 405"><b>How to Create Cognitive System and Intelligent Robotics and Automation Value Proposition and Enhance Value Chain Towards Industrial Impact?</b></p> <p data-bbox="308 432 592 461"><i>Moderator: Dr. Ren C. Luo</i></p> <p data-bbox="443 465 1342 526" style="padding-left: 40px;">Director, International Center of Excellence on Intelligent Robotics and Automation Life Distinguished Professor, National Taiwan University, Taiwan</p> <p data-bbox="308 533 416 562"><i>Panelists:</i></p> <ol data-bbox="308 566 1394 1041" style="list-style-type: none"><li data-bbox="308 566 1394 667">1. <i>Mr. Martin Haegele</i> Coordinator of SME robotics &amp; Head of Department of Robot and Assistive Systems, Fraunhofer Institute for Manufacturing Engineering and Automation, Germany</li><li data-bbox="308 669 1066 730">2. <i>Dr. Ralf Koepe</i> Vice President, R&amp;D Division, KUKA Laboratories GmbH, Germany</li><li data-bbox="308 732 1177 792">3. <i>Dr. Alois Knoll</i> Coordinator of ECHORD &amp; Professor, Technical University, Munich, Germany</li><li data-bbox="308 795 895 855">4. <i>Dr. Hounq Sun</i> Chairman, Mirle Automation Corporation, Taiwan</li><li data-bbox="308 857 1414 972">5. <i>Dr. Kevin Ma</i> Senior Engineer, Department of Automation Robotics, SHZBG, Hon Hai Precision Industry Co, Ltd., Taiwan</li><li data-bbox="308 974 1027 1041">6. <i>Dr. Wei-Han Wang</i> Director, Intelligent Robotics Technology Division, ITRI, Taiwan</li></ol>
18:00-20:00	<b>Banquet (B1, Chang Yung-Fa Foundation International Convention Center)</b>

**DAY 2 Tuesday, March 12, 2013**

<b>Place</b>	<b>Lobby, 1F</b>	
08:30-09:00	<b>Registration</b>	
<b>Place</b>	<b>Room 1002 (10F)</b>	
09:00-10:35	<b><u>Track 3: Nano/Micro Electronics</u></b>	
	<b>Session 3.1 — Medical Electronics</b>	
	<p><i>Moderator: Dr. Shey-Shi Lu</i>  Principal Investigator, NPIE*, Taiwan  Professor, Graduate Institute of Electronics Engineering, National Taiwan University, Taiwan</p>	
	09:00-09:20	<p><b>Welcome &amp; NPIE Introduction</b>  1. <i>Dr. Wen-Tsuen Chen</i>  Program Director, NPIE, Taiwan  Distinguished Research Fellow, Institute of Information Science, Academia Sinica, Taiwan  Tsing Hua Distinguished Chair Professor, National Tsing Hua University, Taiwan  2. <i>Dr. Meng-Fan Chang</i>  Associate Executive Director, NPIE, Taiwan  Associate Professor, Department of Electrical Engineering, National Tsing Hua University, Taiwan</p>
	09:20-09:45	<p><b>3.1-1 Flexible and Stretchable Electronics</b>  <i>Dr. Jan Vanfleteren</i>  Project Manager, Centre for Microsystems Technology, imec, Belgium  Professor, Ghent University, Belgium</p>
	09:45-10:10	<p><b>3.1-2 Organic Bioelectronics</b>  <i>Dr. George Malliaras</i>  Professor and Head, Department of Bioelectronics, Ecole Nationale Supérieure des Mines de Saint Etienne, France</p>
10:10-10:35	<p><b>3.1-3 Biophotonics for Medical Applications in EOL</b>  <i>Dr. Jyh-Chern Chen</i>  Division Director, Electronics and Optoelectronics Research Laboratories, ITRI, Taiwan</p>	
10:35-11:00	<b>Coffee Break (Room 1010)</b>	
11:00-11:50	11:00-11:25	<p><b>3.1-4 Development of a Closed-loop Seizure Controller with On-line Detection and Conditional Stimulation</b>  <i>Dr. Sheng-Fu Liang</i>  Professor, Institute of Medical Informatics, National Cheng Kung University, Taiwan</p>
	11:25-11:50	<p><b>3.1-5 Make a Chip that “Smells” – Towards an Electronic Nose System-on-Chip</b>  <i>Dr. Kea-Tiong Tang</i>  Associate Professor, Department of Electrical Engineering, National Tsing Hua University, Taiwan</p>
12:00-13:10	<b>Lunch (Room 1010)</b>	
13:10-14:45	<b>Session 3.2 — Green &amp; Car Electronics</b>	
	<p><i>Moderator: Dr. Chua-Chin Wang</i>  Principal Investigator, NPIE, Taiwan  Professor, Department of Electrical Engineering, National Sun Yat-Sen University, Taiwan</p>	

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	13:15-13:30	<b>3.2-1</b> <b>Smart Products Enable Smarter Grids: The ST Drive</b> <i>Mr. Giuseppe Izzo</i> General Manager, ST Taiwan Regional Vice President, Greater China and South Asia, ST Microelectronics, Switzerland
	13:30-13:45	<b>3.2-2</b> <b>How Silicon Enables Green Car</b> <i>Mr. Edoardo Merli</i> Head of Department, APG Greater China and South Asia Marketing & Application, ST Microelectronics, Switzerland
	13:45-14:00	<b>3.2-3</b> <b>European Research and Trends for Systems Used in Electrical Vehicles and Drive Trains in Automation</b> <i>Mr. Reiner John</i> Director R&D Excellence, Infineon Technologies, Germany
	14:00-14:15	<b>3.2-4</b> <b>Power-efficient Embedded Processors for a Greener World</b> <i>Dr. Charlie Su</i> CTO and Sr. RD VP, Andes Technology Corp., Taiwan
	14:15-14:30	<b>3.2-5</b> <b>Automotive Circuit Design for Electrical Vehicle Powertrain</b> <i>Dr. Li-Ren Huang</i> Division Director, Information and Communication Laboratories, ITRI, Taiwan
	14:30-14:45	<b>3.2-6</b> <b>Capacitor-less CMOS Low-dropout Voltage Regulator</b> <i>Dr. Chung-Chih Hung</i> Professor, Department of Electrical and Computer Engineering, National Chiao Tung University, Taiwan
14:45-15:25	<b>Coffee Break (Room 1010)</b>	
	<b>Session 3.3 — Nano &amp; Intelligent Electronics</b>	
	<i>Moderator : Dr. Ing-Jer Huang</i> Professor, Department of Computer Science and Engineering, National Sun Yat-Sen University, Taiwan	
	15:30-15:50	<b>3.3-1</b> <b>Advanced RF Integrated Circuits and Systems</b> <i>Dr. Emil Novakov</i> Professor, Institute of Microelectronics, Electromagnetism and Photonics (IMEP-LAHC), France
15:25-17:00	15:50-16:10	<b>3.3-2</b> <b>PiezoNEMS for Sensor and Energy Harvesting Applications</b> <i>Dr. Laurent Montes</i> Research Program Officer, Polytechnic Institute of Grenoble, France
	16:10-16:15	<b>Break</b>
	16:15-16:30	<b>3.3-3</b> <b>On Methodologies of Analog and 3DIC/Beyond Die Design Synthesis</b> <i>Dr. Hung-Ming Chen</i> Professor, Institute of Electronics, National Chiao Tung University, Taiwan
	16:30-16:45	<b>3.3-4</b> <b>SoC Monitoring and Debugging Technologies and Their Applications in a 3D Graphics SoC</b> <i>Dr. Ing-Jer Huang</i> Professor, Department of Computer Science and Engineering, National Sun Yat-Sen University, Taiwan

**DAY 2 Tuesday, March 12, 2013**

	16:45-17:00	<b>3.3-5</b> <b>Ultra-low Voltage Embedded SRAM and Clocking System with PVT Compensation</b> <i>Dr. Shyh-Jye Jou</i> Professor, Department of Electronics Engineering, National Chiao Tung University, Taiwan
18:00-20:00	<b>Networking Dinner (Hilton Hall, 3F, Caesar Park Taipei)</b>	

\*: National Program for Intelligent Electronics

**DAY 2 Tuesday, March 12, 2013**

Place	Room 1003 (10F)	
	<b><u>Track 4: E-Health &amp; AHA</u></b>	
	<b>Session 4.1 — E-Health I</b>	
	<p><i>Moderator: Dr. Chien-Tsai Liu</i>            Professor, Graduate Institute of Biomedical Informatics, Taipei Medical University, Taiwan</p>	
09:00-10:30	09:00-09:30	<b>4.1-1</b> <b>Information Technology and Patient Centered Care - The Case in Taiwan</b> <i>Dr. Min-Huei Hsu</i> Director-General, Bureau of International Cooperation, Department of Health, Taiwan
	09:30-10:00	<b>4.1-2</b> <b>Democratization of Health Information - For the Patient, of the Patient and by the Patient</b> <i>Dr. Yu-Chuan Li</i> Dean , College of Medical Science and Technology, Taipei Medical University, Taiwan
	10:00-10:30	<b>4.1-3</b> <b>Managing Health Instead of Managing Illness: An Approach to Address the Healthcare Cost Dilemma</b> <i>Prof. Chris Van Hoof</i> Program Director Wearable Healthcare, imec, Belgium
10:30-11:00	<b>Coffee Break (Room 1010)</b>	
11:00-12:00	11:00-11:45	<b>4.1-4</b> <b>Electronic Health Record</b> <i>Mr. Benny Eklund</i> County Council of Uppsala and Coordinator of EU Project Sustains, Sweden
	11:45-12:00	<b>Q&amp;A</b>
12:00-13:15	<b>Lunch (Room 1010)</b>	
	<b>Session 4.2 — E-Health II</b>	
	<p><i>Moderator: Dr. Mei-Shu Lai</i>            Professor , Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taiwan</p>	
13:15-15:00	13:15-13:45	<b>4.2-1</b> <b>The Features of Taiwan's National Health Insurance Database and Its Potentials for Research</b> <i>Dr. Shou-Hsia Cheng</i> Professor and Director, Institute of Health Policy and Management, National Taiwan University, Taiwan
	13:45-14:15	<b>4.2-2</b> <b>Research Collaboration for Medication Safety Using Population Health Databases</b> <i>Dr. Yea-Huei Kao Yang</i> Professor and Director, Institute of Clinical Pharmacy and Pharmaceutical Sciences, National Cheng-Kung University, Taiwan
	14:15-14:45	<b>4.2-3</b> <b>Healthcare and Innovation -The EU eHealth Action Plan</b> <i>Mr. Christophe Forax</i> Regional ICT Counsellor, Delegation of the European Union in Singapore
	14:45-15:00	<b>Q&amp;A</b>
15:00-15:30	<b>Coffee Break (Room 1010)</b>	



**DAY 2 Tuesday, March 12, 2013**

Place	Room 1003 (10F)	
15:30-17:00	<b>Session 4.3 — Panel Active &amp; Healthy Ageing</b>	
	<p><i>Moderator: Dr. Kuo-Liong Chien</i>            Professor and Director, Graduate Institute of Epidemiology and Preventive Medicine, National Taiwan University, Taiwan</p>	
	15:30-16:00	<p><b>4.3-1</b>  <b>1. Ambient Assistance on Telehealth and Telecare: A Home-Telehealthcare Service System for Asthma Patients</b>  <i>Dr. Geng-Chang Yeh</i>            Vice Dean, Academic Affairs, Taipei Medical University Hospital &amp; Assistant Administrator, Graduate Institute of Clinical Medicine, Taipei Medical University, Taiwan</p> <p><b>2. Implementation of Integrating Telecare into Quality of Long-term Care and Health Promotion in Skilled Nursing Homes (2008-2012)</b>  <i>Dr. Nai-Chang Hsiao</i>            Chief Operating Officer, Hsiao Chung-Cheng Hospital, Taiwan</p>
	16:00-16:30	<p><b>4.3-2</b>  <b>Active Healthy Ageing--How Is the Spanish System to Support Researchers Participation in International Programmes in Health</b>  <i>Dr. Adolfo Muñoz Carrero</i>            Tenured Researcher, E-Health Unit, the Carlos III National Health Institute, Spain  <i>Ms. Laura Mohedano Macías</i>            Liaison Officer, European Projects Office, the Carlos III National Health Institute, Spain</p>
16:30-17:00	<p><b>Panel Discussion</b>  <i>All Speakers</i></p>	
18:00-20:00	<b>Networking Dinner (Hilton Hall, 3F, Caesar Park Taipei)</b>	