

## Oct. 6, 2012 (Sat.)

10:00 - 18:00	<b>Registration [Grand Prince Hotel Kyoto] (For all STS forum participants)</b>		13:30-18:00	<b>Global Summit of Research Organizations [ICC Kyoto]</b>
18:30 - 20:00	<b>Networking Plaza [Grand Prince Hotel, Royal Room]</b>		13:30-18:00	<b>Regional Climate Change Conference (RCC4) [RIHN]</b>
			14:00-16:40	<b>Kyoto Symposium [Kyoto University]</b>

## Oct. 7, 2012 (Sun.)

	<b>8:30</b>	<b>Doors Open at the Kyoto International Conference Center (ICC Kyoto)</b>						
100		<b>Opening Plenary Session: Science and Technology for the Future of Humankind [ Main Hall ]</b>						
	10:00 - 11:00	<p>[Chair] ● <b>Omi</b>, Koji, Founder and Chairman, STS forum, JP</p> <ul style="list-style-type: none"> <li>● <b>Tanaka</b>, Makiko, Minister of Education, Culture, Sports, Science and Technology, JP</li> <li>● <b>Fioraso</b>, Geneviève, Minister of Higher Education and Research, FR</li> <li>● <b>Holliday, Jr.</b>, Charles, Chairman of the Board, Bank of America Corporation, US</li> <li>● <b>Yonekura</b>, Hiromasa, Chairman, Sumitomo Chemical Co., Ltd.; Chairman, Keidanren (Japan Business Federation), JP</li> <li>● <b>Barañao</b>, Lino, Minister of Science, Technology and Productive Innovation, AR</li> <li>● <b>Friedman</b>, Jerome, Institute Professor and Professor of Physics Emeritus, Physics Department Massachusetts Institute of Technology (MIT), Nobel Laureate in Physics 1990, US</li> </ul>						
	<b>60 min.</b>							
101		<b>Plenary Session: Energy and Environment [ Main Hall ]</b>						
	11:00 - 12:10	<p>[Chair] ● <b>Beddington</b>, John, UK Government Chief Scientific Adviser, Government Office for Science, UK</p> <ul style="list-style-type: none"> <li>● <b>Isaacs</b>, Eric D., President of UChicago Argonne, LLC, and Director of Argonne National Laboratory, US</li> <li>● <b>Yagi</b>, Makoto, Chairman, The Federation of Electric Power Companies of Japan, JP</li> <li>● <b>Zakhary</b>, Nadia, Minister of Science, Technology &amp; Scientific Research, EG</li> <li>● <b>Schotman</b>, Gerald, Executive Vice President Innovation/R&amp;D; CTO, Royal Dutch Shell plc, NL</li> <li>● <b>Nishida</b>, Atsutoshi, Chairman of the Board of Directors, Toshiba Corporation, JP</li> </ul>						
	<b>70 min.</b>							
	12:10 - 13:30	<b>Buffet Lunch [ Sakura/Lobby ]</b>						
102		<b>Plenary Session: Nuclear Safety and Future Development [ Main Hall ]</b>						
	13:30 - 14:40	<p>[Chair] ● <b>Bigot</b>, Bernard, CEO, Alternative Energies and Atomic Energy Commission (CEA), FR</p> <ul style="list-style-type: none"> <li>● <b>Oshima</b>, Kenzo, Commissioner, Nuclear Regulation Authority, JP</li> <li>● <b>Cashmore</b>, Roger, Chairman, United Kingdom Atomic Energy Authority (UKAEA), UK</li> <li>● <b>Pershukov</b>, Vyacheslav, Deputy Director General, Chief Innovation Officer, State Atomic Energy Corporation ROSATOM, RU</li> <li>● <b>Raj</b>, Baldev, President, Indian National Academy of Engineering (INAE), IN</li> <li>● <b>Amano</b>, Yukiya, Director General, International Atomic Energy Agency (IAEA), JP</li> </ul>						
	<b>70 min.</b>							
	14:40-14:50	<b>Break</b>						
103		<b>Plenary Session: Global Health [ Main Hall ]</b>						
	14:50 - 16:00	<p>[Chair] ● <b>Wallberg-Henriksson</b>, Harriet, President, Karolinska Institutet, SE</p> <ul style="list-style-type: none"> <li>● <b>Hasegawa</b>, Yasuchika, President and Chief Executive Officer, Takeda Pharmaceutical Company Limited, Chairman of Keizai Doyukai, JP</li> <li>● <b>Walport</b>, Mark, Director, Wellcome Trust, UK</li> <li>● <b>Yamanaka</b>, Shinya, Director, Center for iPS Cell Research and Application (CiRA), Kyoto University, JP</li> <li>● <b>Zerhouni</b>, Elias, President, Global R&amp;D, Sanofi SA, US</li> </ul>						
	<b>70 min.</b>							
	16:00-16:30	<b>Coffee Break</b>						
104		<b>A1: Future of Fossil Energy [Room B-1]</b>	<b>B1:Frontiers of Personalized Medicine [Room C-1]</b>	<b>C1:New Frontiers in Innovation [Room I]</b>	<b>D1: Collaboration among Academia, Industries and Government [Room B-2]</b>	<b>E1: Ocean [Room J]</b>	<b>F1:Developing Human Habitat: Smart Cities [Room K]</b>	<b>G1: Science and Technology Diplomacy and International Collaboration [Room C-2]</b>
	16:30-18:30							
	<b>120 min.</b>							
	18:30-19:30	<b>Cocktails [ Event Hall ]</b>						
105		<b>Official Dinner [ Event Hall ]</b>						
	19:30-21:00	<ul style="list-style-type: none"> <li>● <b>Eurdekián</b>, Hugo, Vice President, Corporación America, AR</li> </ul>						
	<b>90 min.</b>							
								16:15-18:30
								<b>S&amp;T Ministers' Roundtable [Room A]</b>

200

**Plenary Session: Enhancing Innovation -- Dialogue among Political Leaders, Scientists and Industrialists [ Main Hall ]**

[Chair] ● **Kagermann**, Henning, President, acatech (National Academy of Science and Engineering), DE

**Political Leaders**

- **Goodyear**, Gary, Minister of State for Science and Technology, CA
- **Durongkaveraj**, Pichet, Secretary General, National Science Technology and Innovation Policy Office, TH

**Industrialists**

- **Chubais**, Anatoly, Chief Executive Officer, OJSC "RUSNANO", RU
- **Uchiyama**, Takeshi, Vice Chairman of the Board, Toyota Motor Corporation, JP

**Scientists / Academics**

- **Chameau**, Jean-Lou, President, California Institute of Technology (CALTECH), US
- **Van den hove**, Luc, President & Chief Executive Officer, IMEC, BE

08:30  
-  
09:50  
  
80min.

09:50-10:20

**Coffee Break**

10:00-12:20

2  
0  
1

10:20-12:20  
120min.

**A2: Challenges and Solutions for Renewable and Transitional Energies [Room B-1]**

**B2: The Science of Aging [Room C-1]**

**C2: Nanotechnology for Electronics and Photonics [Room I]**

**D2: Science and Engineering Education for the 21st Century [Room B-2]**

**E2: Water [Room J]**

**F2: Developing Human Habitat: Adaptation to Climate Change (RCC4) [Room K]**

**G2: Modifying Human Behavior for a Sustainable World [Room C-2]**

**Funding Agency Presidents' Meeting [Room 104]**

12:20 - 13:00

**Lunch**

12:20-14:20

202

**Plenary Session: Population & Resources [ Main Hall ]**

[Chair] ● **Sulston**, John, Chair, Institute for Science, Ethics and Innovation (isei), Nobel Laureate for Medicine 2002, UK

- **Kamar**, Margaret, Minister of Higher Education, Science and Technology, KE
- **Nagayama**, Osamu, Chairman & CEO, Chugai Pharmaceutical Co., Ltd., JP
- **Bhumiratana**, Sakarindr, President, King Mongkut's University of Technology, Thonburi (KMUTT), TH

- **Shiraishi**, Takashi, Executive Member, Council for Science and Technology Policy (CSTP), JP
- **Lee**, Yuan Tseh, President Emeritus; Distinguished Research Fellow, Institute of Atomic and Molecular Sciences, Academia Sinica; President, International Council for Science (ICSU); Nobel Laureate for Chemistry 1986, TW

**University Presidents' Lunch Meeting [Room D]**

13:00-14:10  
70min.

14:10-14:20

**Break**

2  
0  
3

14:20 - 16:20  
120min.

**A3: Nuclear Technology Prospects [Room B-1]**

**B3: Infectious Diseases [Room C-1]**

**C3: New Materials [Room I]**

**D3: Capacity Building in Developing Countries [Room B-2]**

**E3: Measures Against Disasters [Room J]**

**F3: Intellectual Properties Rights [Room K]**

**G3: Public Outreach of Science and Technology [Room C-2]**

14:30-16:30  
**Academy of Science Presidents' Meeting [Room 104]**

14:30-16:30  
**Academy of Engineering Presidents' Meeting [Room 103]**

16:20-16:50

**Coffee Break**

204

**Plenary Session 204A: The Role of Universities for the 21<sup>st</sup> Century [ Main Hall ]**

[Chair] ● **Matsumoto**, Hiroshi, President, Kyoto University, JP

- **Braun**, Helge, Parliamentary State Secretary, Federal Ministry of Education and Research, DE
- **Chalupa**, Leo, Vice President for Research, George Washington University, US
- **Rajatanavin**, Rajata, President, Mahidol University, TH
- **Dorfan**, Jonathan, President & CEO, Okinawa Institute of Science and Technology Graduate University, US
- **Naylor**, David, President, University of Toronto, CA

**Plenary Session 204B: Research Organizations Update [ Room A ]**

[Chair] ● **Fuchs**, Alain, President, French National Center for Scientific Research (CNRS), FR

- **Nomakuchi**, Tamotsu, President, National Institute of Advanced Industrial Science and Technology (AIST), JP
- **Mason**, Thom, Laboratory Director, Oak Ridge National Laboratory (ORNL), US
- **Koanantakool**, Thaweesak, President, National Science and Technology Development Agency (NSTDA), TH
- **Nicolais**, Luigi, President, National Research Council (CNR), IT

18:30-20:30

**Special Buffet Dinner at Heian Shrine** (shuttle bus provided from ICC Kyoto to site)

205

<p>300</p> <p>08:30 - 09:25</p> <p>55min.</p>	<p><b>Plenary Session: Key Messages from Concurrent Sessions [ Main Hall ]</b></p> <p>[Chair] ● <b>Kleiner</b>, Matthias, President, German Research Foundation (DFG), DE</p> <p>[A] ● <b>Bamberger</b>, Yves, Scientific Advisor of the Chairman and CEO, Electricité de France (EDF), FR          [B] ● <b>Goel</b>, Anita, Chairman and Chief Executive Officer, Nanobiosym Diagnostics, Inc, US          [C] ● <b>Migus</b>, Arnold, Senior Counsellor, French Court of Audit, FR</p> <p>[D] ● <b>Bazergui</b>, André, Special Advisor to the President &amp; Chief Executive Officer, Consortium for Research and Innovation in Aerospace in Quebec (CRIAQ), CA          [E] ● <b>Hassan</b>, Mohamed, Co-Chair, iap, SD          [F] ● <b>Yamauchi</b>, Susumu, President, Hitotsubashi University, JP          [G] ● <b>Blanco</b>, Herminio, Founder and Chief Executive Officer, Soluciones Estratégicas, MX</p> <p style="text-align: right;"><b>Report by the Future Leaders 2012</b></p>
<p>301</p> <p>09:25 - 10:15</p> <p>50min.</p>	<p><b>Participants' Open Session [ Main Hall ]</b></p> <p>[Chair] ● <b>Kleiner</b>, Matthias, President, German Research Foundation (DFG), DE</p>
<p>10:15-10:45</p>	<p><b>Coffee Break</b></p>
<p>302</p> <p>10:45 - 11:40</p> <p>55min.</p>	<p><b>Plenary Session: ICT and Security [ Main Hall ]</b></p> <p>[Chair] ● <b>Yoshikawa</b>, Hiroyuki, Director-General, Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST), JP</p> <p>● <b>Suffolk</b>, John, SVP, Global Cyber Security Officer, Huawei Technologies Co, Ltd., UK</p> <p>● <b>Piou</b>, Olivier, Chief Executive Officer, Gemalto, FR</p> <p>● <b>Okuda</b>, Motoi, Executive Architect, Technical Computing Solutions Unit, Fujitsu Limited, JP</p> <p>● <b>Rangaswami</b>, JP, Chief Scientist, Salesforce.com, Inc., IN</p>
<p>303</p> <p>11:45 - 12:30</p> <p>45 min.</p>	<p><b>Closing Plenary Session: How do we move forward to maintain sustainability for the future of humankind? [ Main Hall ]</b></p> <p>[Chair] ● <b>Serageldin</b>, Ismail, Director, Library of Alexandria, EG</p> <p>● <b>Rubbia</b>, Carlo, Scientific Director, Institute for Advanced Sustainability Studies e.V. (IASS), Potsdam, Nobel Laureate for Physics 1984, IT</p> <p>● <b>Grantham</b>, Jeremy, Co-founder and Chief Investment Strategist, Grantham Mayo Van Otterloo (GMO), UK</p> <p>● <b>Correia de Campos</b>, António, Chairman of Science and Technology Options Assessment (STOA), European Parliament, PT</p> <p>● <b>Omi</b>, Koji, Founder and Chairman, STS <i>forum</i>, JP</p>
<p>304</p> <p>12:30- 13:30</p>	<p><b>Farewell Buffet Lunch [ Swan ]</b></p>