

## STS forum 2017 – 14th Annual Meeting Program, October 1–3, 2017

September 30, 2017 (Saturday)

10:00-18:30	<b>Registration [Grand Prince Hotel Kyoto] (for all STS forum participants)</b>	09:00-12:00	Regional Action on Climate Change Conference (RACC9) [Room 510]
		13:00-15:20	Future Leaders Network [SAKURA]
		15:20-17:30	Dialogue between Future Leaders and Nobel Laureates [SAKURA]
		15:00-17:30	6th Global Summit of Research Institute Leaders [Room C-2]
18:00-20:00	<b>Networking Plaza [Grand Prince Hotel, Gold Room]</b>	14:00-16:40	Kyoto Symposium [Kyoto Chamber of Commerce and Industry]
		13:00-15:00	Board Meeting [Room C-1]

October 1, 2017 (Sunday)

8:30	<b>Doors open and Registration starts at the Kyoto International Conference Center (ICC Kyoto)</b>									
100	<b>Opening Plenary Session 100: Science and Technology for the Future of Humankind [Main Hall]</b>									
10:00-11:00	1. Mr. Koji <b>Omi</b> , Founder and Chairman, STS forum, JP 2. Mr. Shinzo <b>Abe</b> , Prime Minister, Government of Japan, JP 3. Mr. Arkady <b>Dvorkovich</b> , Deputy Prime Minister, Government of the Russian Federation, RU 4. Mr. Charles O. <b>Holliday</b> , Jr., Chairman, Royal Dutch Shell plc, US 5. Dr. Sadayuki <b>Sakakibara</b> , Chairman, Keidanren (Japan Business Federation); Senior Advisor, Toray Industries, Inc., JP									
60 min.										
101	<b>Plenary Session 101: Sustainable Development [Main Hall]</b>									
11:00-12:10	[Chair] Dr. Cherry A. <b>Murray</b> , Benjamin Peirce Professor of Technology and Public Policy, John A. Paulson School of Engineering and Applied Sciences; Professor of Physics, Harvard University; Former Director, Department of Energy's Office of Science, US [Speakers] 1. Mr. Hiroshige <b>Seko</b> , Minister of Economy, Trade and Industry (METI), JP 2. Mr. Ping <b>Guo</b> , Deputy Chairman of the Board, Huawei Technologies Co., Ltd., CN 3. Mr. Takeshi <b>Uchiyamada</b> , Chairman of the Board, Toyota Motor Corporation, JP 4. Mr. Keith E. <b>Williams</b> , President and Chief Executive Officer, UL LLC, US									
70 min.										
12:10-13:40	<b>Buffet Lunch [Sakura]</b>								12:10-13:40 CEO Lunch Meeting [Room 103]	12:10-15:20
102	<b>Energy and Environment</b>	<b>Life Sciences</b>	<b>Engineering and Innovation</b>	<b>Earth Science</b>	<b>Cooperation in S&amp;T</b>	<b>S&amp;T and Society</b>	<b>ICT</b>	<b>Cities and Mobility</b>	<b>S&amp;T Ministers' Lunch &amp; S&amp;T Ministers' Roundtable [Annex]</b>	
13:40-15:20	<b>Future Prospects of Oil and Gas</b>	<b>Environment and Health</b>	<b>Industrial Innovation</b>	<b>Earth and Space</b>	<b>Competition and Cooperation among Global Industries</b>	<b>Innovation in Society</b>	<b>Artificial Intelligence (AI)</b>	<b>New Transportation and Mobility Systems</b>		
100 min.										
15:20-15:40	<b>Coffee Break</b>									
103	<b>Plenary Session 103A: Research and Innovation [Main Hall]</b>				<b>Plenary Session 103B: The Role of Universities [Room A]</b>					15:30-17:00
15:40-16:40	[Chair] Prof. Dr.-Ing. Matthias <b>Kleiner</b> , President, Leibniz Association, DE [Speakers] 1. Prof. <b>Frédérique Vidal</b> , Minister, Ministry of Higher Education, Research and Innovation, FR 2. Dr. Ryoji <b>Chubachi</b> , President, National Institute of Advanced Industrial Science and Technology (AIST), JP 3. Mr. Hidehiko <b>Yukawa</b> , Managing Executive Officer, International Business and Cooperation Division, The Kansai Electric Power Company, Inc., JP 4. Prof. <b>Rita Colwell</b> , Distinguished University Professor, Center for Bioinformatics and Computational Biology, University of Maryland and Johns Hopkins University, US				[Chair] Prof.dr.ir. Karen <b>Maex</b> , Rector Magnificus, University of Amsterdam, NL [Speakers] 1. Mr. Yoshimasa <b>Hayashi</b> , Minister of Education, Culture, Sports, Science and Technology (MEXT), JP 2. Prof. Dr. Lino <b>Guzzella</b> , President, Swiss Federal Institute of Technology (ETH) Zurich, CH 3. Dr. Juichi <b>Yamagiwa</b> , President, Kyoto University, JP 4. Mr. Chuan Poh <b>Lim</b> , Chairman, Agency for Science, Technology and Research (A*STAR), SG					<b>CTO Meeting [Room E]</b>
60 min.										
16:40-17:10	<b>Coffee Break</b>									
104	<b>Nuclear Technology Prospects</b>	<b>Genome Engineering</b>	<b>Future Nanomaterials</b>	<b>Water</b>	<b>Science and Technology in Developing Countries</b>	<b>Bridging Science and Technology with Society and Politics</b>	<b>Internet of Things (IoT)</b>	<b>Smart Cities</b>	16:50-18:50 <b>University Presidents' Meeting [Swan]</b>	
100 min.										
105	<b>Official Dinner [Event Hall]</b>									
18:50-21:00	<b>Cocktail (18:50-19:45) Dinner Speech (20:15-20:45)</b> Sir Venki <b>Ramakrishnan</b> , President, Royal Society, Nobel (Chemistry 2009), UK									
130 min.										

7:30	<b>Doors open and Registration starts at the Kyoto International Conference Center (ICC Kyoto)</b>							08:00-08:45	<b>General Meeting [Swan]</b>	
200	<b>Plenary Session 200: Science, Technology and Education in Digitalized Society [Main Hall]</b>									
	[Chair] Prof. Dr. Peter <b>Gruss</b> , President and CEO, Okinawa Institute of Science and Technology Graduate University (OIST), JP; Former President, Max Planck Society (MPG), DE									
	[Speakers]									
09:00-10:10	1. Prof. Michael <b>Arthur</b> , President and Provost, University College London, UK									
	2. Dr. Hiroshi <b>Matsumoto</b> , President, RIKEN, JP									
	3. Mr. Hugh <b>Thompson</b> , Chief Technology Officer, Symantec Corporation, US									
	4. Mr. Yoshiaki <b>Sato</b> , Senior Vice President, Science and Core Technology Laboratory Group, Nippon Telegraph and Telephone Corporation, NTT, JP									
70 min.										
10:10-10:40	<b>Coffee Break</b>								10:10-12:30	
201										
10:40-12:20	<b>Renewable Energy</b>	<b>Advanced Medicine</b>	<b>New Manufacturing Technologies</b>	<b>Disaster Prevention and Resilient Society</b>	<b>Collaboration among Academia, Industries and Government</b>	<b>Science, Technology and Engineering Education</b>	<b>Big Data</b>			
100 min.										
12:20-13:30	<b>Lunch [Sakura]</b>									
202										
<b>Plenary Session 202A: Population and Resources [Main Hall]</b>					<b>Plenary Session 202B: Science and Technology in Business and Finance [Room A]</b>					
[Chair] Prof. Hiroshi <b>Komiyama</b> , Chairman of the Institute, Mitsubishi Research Institute, Inc., JP					[Chair] Dr. Unggul <b>Priyanto</b> , Chairman, Agency for the Assessment and Application of Technology (BPPT), ID					
[Speakers]					[Speakers]					
1. Prof. Zakri <b>Abdul Hamid</b> , Science Advisor to the Prime Minister of Malaysia, Malaysian Government, MY					1. Mr. Pascal <b>Colombani</b> , Director and Honorary Chairman, VALEO, FR					
2. Dr. Ryuichi <b>Kaneko</b> , Deputy Director-General, National Institute of Population and Social Security Research, JP					2. Mr. S. Kris <b>Gopalakrishnan</b> , Chairman, Axilor Ventures; Co-founder, Infosys Limited, IN					
3. Prof. Wolfgang <b>Lutz</b> , Founding Director, Wittgenstein Centre for Demography and Global Human Capital (IIASA, VID/ÖAW, WU), AT					3. Mr. Tetsuro <b>Higashi</b> , Corporate Director, Corporate Advisor, Tokyo Electron Limited, JP					
4. Mrs. Grace Naledi <b>Pandor</b> , Minister, Ministry of Science and Technology, ZA					4. Dr. Mandla <b>Gantsho</b> , Chairman, Sasol Limited; Chairman, Impala Platinum Holdings Limited; Chairman, Ithala Development Finance Corporation Ltd.; CEO, Africa Rising Capital (Pty) Ltd., ZA					
13:30-14:30										
60 min.										
14:30-14:50	<b>Coffee Break</b>									
203										
14:50-16:30	<b>Best Mix of Energy</b>	<b>Healthy Aging</b>	<b>Robotics and Autonomous Systems</b>	<b>Climate Change and Ocean</b>	<b>Science and Technology Diplomacy and International Collaboration</b>	<b>Policy Making in Science and Technology based Society</b>	<b>Cybersecurity</b>	14:40-16:40	14:40-16:40	
100 min.										
16:30-16:50	<b>Coffee Break</b>									
204										
<b>Plenary Session 204: Delivering Health Care to the World [Main Hall]</b>										
[Chair] Sir Richard <b>Roberts</b> , Chief Scientific Officer, New England Biolabs, Nobel (Physiology or Medicine 1993), UK										
[Speakers]										
1. Prof. Dr. Jörg <b>Hacker</b> , President, German Academy of Sciences Leopoldina, DE										
2. Dr. Vas <b>Narasimhan</b> , Global Head of Drug Development and Chief Medical Officer, Novartis International AG, CH										
3. Mr. Christophe <b>Weber</b> , President & CEO, Takeda Pharmaceutical Company Ltd., JP										
4. Prof. Yoshihide <b>Hayashizaki</b> , Advisor to the President and Program Director, RIKEN, JP										
16:50-18:00										
70 min.										
18:00-18:30	<b>Move to Kenninji</b>									
205										
<b>Special Buffet Dinner at Kenninji, the oldest Zen Temple in Kyoto (shuttle bus provided from ICC Kyoto to site)</b>										
18:30-20:30										
							21:00-22:30	<b>Council Meeting</b>		

8:00	<b>Doors open and Registration starts at the Kyoto International Conference Center (ICC Kyoto)</b>	
300	<b>Plenary Session 300: Key Messages from Concurrent Sessions [Main Hall]</b>	
9:00-11:00	<p>[Chair] Dr. Henry <b>McKinnell</b>, Chairman, Moody's Corporation, US</p> <p>[Speakers] [Energy and Environment]Dr. Thomas <b>Zacharia</b>, Director, Oak Ridge National Laboratory, US [Life Sciences]Prof. <b>Harriet Wallberg</b>, Director General, Ministry of Health and Social Affairs, SE [Engineering and Innovation]Dr. <b>Donna Nelson</b>, Professor, University of Oklahoma, US [Earth Science]Prof. <b>Jim Falk</b>, Honorary Professorial Fellow, Melbourne Sustainable Society Institute, University of Melbourne, AU</p> <p><b>120 min.</b></p>	<p>[Cooperation in S&amp;T]Prof. Mohamed <b>Hassan</b>, Executive Director, The World Academy of Sciences (TWAS), SD [S&amp;T and Society]Prof. Eric <b>Mazur</b>, Balkanski Professor of Physics and Applied Physics and Dean of Applied Physics, Harvard University, US [ICT]Dr. Hiroaki <b>Kitano</b>, President and CEO, Sony Computer Science Laboratories, Inc., JP [Cities and Mobility]Dr. Ray <b>Johnson</b>, Executive in Residence, Bessemer Venture Partners, US</p> <p>[Report by the Future Leaders] Dr. <b>Samia Subrina</b>, Associate Professor, Bangladesh University of Engineering and Technology (BUET), BD Dr. Glenn <b>Platt</b>, Research Program Director, Commonwealth Scientific and Industrial Research Organisation (CSIRO), AU</p>
11:00-11:40	<b>Coffee Break</b>	
301	<b>Closing Plenary Session 301: Development and Sustainability for the Future of Humankind [Main Hall]</b>	
11:40-12:30	<p>[Chair] Dr. Torsten Nils <b>Wiesel</b>, President Emeritus, The Rockefeller University, Nobel (Physiology or Medicine 1981), US</p> <p>[Speakers] 1. Prof. Shinya <b>Yamanaka</b>, Director and Professor, Center for iPS Cell Research and Application, Kyoto University, Nobel (Physiology or Medicine 2012), JP 2. Dr. Ashwani <b>Kumar</b>, Senior Advocate Supreme Court; Former Union Minister of Law &amp; Justice &amp; Member of Parliament, Rajya Sabha (India), IN 3. Dr. <b>Marcia McNutt</b>, President, National Academy of Sciences, US 4. Mr. Koji <b>Omi</b>, Founder and Chairman, STS forum, JP</p> <p><b>50 min.</b></p>	
302	<b>Farewell Buffet Lunch [Swan]</b>	
12:30-13:30		