

STS forum 2013 – 10th Annual Meeting Program

as of September 28, 2013

October 6 – 8, 2013

October 5, 2013 (Saturday)

10:00-18:00	Registration [Grand Prince Hotel Kyoto] (for all STS forum participants) Networking Plaza [Grand Prince Hotel, Royal Room]	13:30-18:00	2nd Global Summit of Research Institute Leaders [ICC Kyoto]
18:30-20:00		11:00-18:00	Regional Action on Climate Change Conference (RACC5) [ICC Kyoto]
		14:00-16:40	Kyoto Symposium [Kyoto Chamber of Commerce and Industry]

October 6, 2013 (Sunday)

8:30	Doors open at the <i>Kyoto International Conference Center (ICC Kyoto)</i>	07:30-09:30	CTO Meeting [Grand Prince Hotel]
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100	Opening Plenary Session: Science and Technology for the Future of Humankind [Main Hall] [Chair] © Omi, Koji, Founder & Chairman, STS forum, JP © Abe, Shinzo, Prime Minister, Government of Japan, JP © Dvorkovich, Arkady, Deputy Prime Minister, Government of the Russian Federation, RU © Nishida, Atsutoshi, Chairman of the Board of Directors, Toshiba Corporation, JP © Hanekom, Derek, Minister of Science and Technology, ZA © McKinnell, Henry, Chairman, Moody's Corporation; Former Chairman and Chief Executive Officer, Pfizer Inc, US
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101	Plenary Session: Energy and Environment [Main Hall] [Chair] © Castell, William, Chairman, Wellcome Trust, UK © Al-Falih, Khalid A., President and Chief Executive Officer Saudi Aramco, SA © Uchiyamada, Takeshi, Chairman of the Board, Toyota Motor Corporation, JP © Chuchottaworn, Pailin, President and CEO, PTT Public Company Limited, TH © Shishkin, Andrey, Vice-president, Rosneft Oil Company, RU © Sugawara, Isshu, State Minister of Economy, Trade and Industry (METI), JP
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12:10-13:30	Buffet Lunch [Sakura/Lobby]
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Tenth Anniversary Special Program

102	Plenary Session: STS forum's next 10 years, in view of the past 10 years [Main Hall] © Friedman, Jerome I., Institute Professor and Professor of Physics Emeritus, Physics Department Massachusetts Institute of Technology (MIT), US Innovation [Chair] © Chubais, Anatoly, Chairman, OJSC "RUSNANO", RU © Fioraso, Geneviève, Minister of Higher Education and Research, FR © Shimomura, Hakubun, Minister of Education, Culture, Sports, Science and Technology (MEXT), JP © Mlynek, Jürgen, President, Helmholtz Association of German Research Centres, DE © Hasegawa, Yasuchika, President and Chief Executive Officer, Takeda Pharmaceutical Company Limited, JP © Walport, Mark, UK Government Chief Scientific Adviser Government Office for Science, UK Sustainability [Chair] © Rinnooy Kan, Alexander, Professor, University of Amsterdam, NL © Phalusuk, Phiraphan, Minister, Office of the Minister Ministry of Science and Technology, TH © Jones, Kerri-Ann, Assistant Secretary Bureau of Oceans and International Environmental and Scientific Affairs (OES) United States Department of State, US © Kawamura, Takashi, Chairman of the Board, Hitachi, Ltd., JP © Cabrero Mendoza, Enrique, Director General, National Council for Science and Technology (CONACYT), MX
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16:10-16:40	Coffee Break	16:30-18:45
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103	S1:	S2:	S3:	S4:	S5:	S6:	S7:	S8:	S9:	S10:	S&T Ministers' Roundtable [Room]
16:40-18:40 120 min.	Shale Gas / Shale Oil Revolution	Energy Efficiency	New Developments of iPS cell	Recycling Systems and Approaches	Water	Smart Cities	New Materials	Nanotechnology	Robotics for the Future	Social Innovation for Sustainability	

104	Cocktails and Tenth Anniversary Dinner [Event Hall] [Chair] © Ishige, Hiroyuki, Chairman and Chief Executive Director, Japan External Trade Organization (JETRO), JP © Yamanaka, Shinya, Director, Center for iPS Cell Research and Application (CIRA); Kyoto University, Nobel Laureate in Physiology or Medicine 2012, JP Special Kabuki Performance [Event Hall] [Presenter] © Shimomura, Hakubun, Minister of Education, Culture, Sports, Science and Technology (MEXT), JP
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										07:30-08:00	Board Meeting		
										08:00-08:30	General Meeting		
200	08:30-09:50	Plenary Session: Information and Communication Technology (ICT) [Main Hall] [Chair] © Ito , Joichi, Director of Media Laboratory, Massachusetts Institute of Technology (MIT), Director MIT Media Lab, ;, JP © Rake , Michael, Chairman, BT Group Plc, UK © Al Thani , Abdullah Bin Mohammed Bin Saud, Chairman, Ooredoo Q.S.C (formerly Qatar Telecom) QA © Guo , Ping, Deputy Chairman of the Board, Huawei Technologies Co., Ltd., CN © González Rodríguez , Francisco, Chairman&CEO, BBVA-Banco Bilbao Vizcaya Argentaria, S.A., ES © Shoji , Tetsuya, Senior Executive Vice President, NTT Communications Corporation, JP © Koanantakool , Thaweesak, President, National Science and Technology Development Agency (NSTDA), TH											
	09:50-10:20	Coffee Break											
201	10:20-12:20	A1: Challenges and Solutions for Renewable and Transitional Energies	B1: Preemptive Medicine	C1: S&T Diplomacy and International Collaboration	D1: Ocean	E1: Collaboration among Academia, Industries and Government	F1: Industrial Innovation	G1: Adaptation to Climate Change (RACC5)	H1: ICT for Education				10:00-12:20
	12:20-13:00	Lunch										12:20-14:20	
202	13:00-14:10	Plenary Session 202A: Population & Resources [Main Hall] [Chair] © Lee , Yuan Tseh, President Emeritus; Distinguished Research Fellow, Institute of Atomic and Molecular Sciences, Academia Sinica; President of International Council for Science (ICSU), TW © Wambugu , Florence, CEO, Africa Harvest Biotech Foundation Interantional (AHBFI), KE © Alberts , Bruce, Professor Emeritus, Biochemistry and Biophysics Department, University of California, San Francisco (UCSF), US © Serageldin , Ismail, Director, Library of Alexandria, EG					Plenary Session 202B: The Future Role of CTOs [Room D] [Chair] © Johnson , Ray O., Senior Vice President and Chief Technology Officer, Lockheed Martin Corporation, US © Azuhata , Shigeru, Representative Executive Officer, Executive Vice President and Executive Officer, Hitachi, Ltd., JP © Berger , Genevieve, Chief Research and Development Officer Unilever NV, FR © Roberts , Richard, Chief Scientific Officer, New England Biolabs Incorporated, UK © Khan , Mehmood, EVP Chief Scientific Officer Global R&D, US © Bonvin , Bertrand, Senior Vice President Research & Development, Philip Morris International, CH					University Presidents' Lunch Meeting [Room]	
	14:10-14:20	Break											
203	14:20-16:20	A2: Nuclear Technology Prospects	B2: Brain Medical Science	C2: Capacity Building in Developing Countries	D2: Biodiversity	E2: Public Outreach of S&T	F2: Intellectual Properties Rights	G2: Measures Against Disasters	H2: Science and Engineering Education for the 21st Century			14:30-16:30	14:30-16:30
	16:20-16:50	Coffee Break										Academy of Science Presidents' Meeting [Room]	Academy of Engineering Presidents' Meeting [Room]
204	16:50-18:00	Plenary Session 204A: The Role of Universities for the 21st Century [Main Hall] [Chair] © Zimpher , Nancy, Chancellor, State University of New York (SUNY), US © Tan , Chorh, President, Office of the President National University of Singapore (NUS), SG © Thomas , Eric, Vice-Chancellor and President, University of Bristol, UK © Hirano , Toshio, President, Osaka University, JP © Nazaré , Maria Helena, President, European University Association (EUA), BE					Plenary Session 204B: Research and Innovation [Room D] [Chair] © Fuchs , Alain, President, French National Center for Scientific Research (CNRS), FR © Yamamoto , Ichita, Minister of State for Science and Technology Policy, JP © Strohschneider , Peter, President, German Research Foundation (DFG), DE © Sakakibara , Sadayuki, Chairman of the Board, Toray Industries, Inc., JP © Al-Saud , Turki M., Vice President for Research Institutes, King Abdulaziz City for Science and Technology, SA © Chubachi , Ryoji, President, National Institute of Advanced Industrial Science and Technology (AIST), JP						
205	18:30-20:30	Special Buffet Dinner at Daikakuji Temple (shuttle bus provided from ICC Kyoto to site)											
										20:00-22:00	Council Meeting		

<p>300</p> <p>08:30-09:25</p> <p>55 min.</p>	<p>Plenary Session: Global Health [Main Hall] [Chair] © Nurse, Paul, President, The Royal Society, UK © Vela Olmo, Carmen, Secretary of State for Investigation, Development and Innovation, Spanish Ministry for Economy and Competitiveness, SP © Nagayama, Osamu, Chairman & CEO, Chugai Pharmaceutical Co., Ltd., JP © Hacker, Jörg, President, German Academy of Sciences Leopoldina, DE © Hayashizaki, Yoshihide, Program Director, Preventive Medicine and Diagnosis Innovation Program, RIKEN, JP © Smith, Stephen, Dean, Faculty of Medicine, Dentistry and Health Sciences, University of Melbourne, AU</p>
<p>09:25-09:55</p>	<p>Coffee Break</p>
<p>301</p> <p>09:55-11:40</p> <p>105 min.</p>	<p>Plenary Session: Key Messages from Concurrent Sessions [Main Hall] [Chair] © Clark, Megan, Chief Executive, Commonwealth Scientific and Industrial Research Organisation (CSIRO), AU</p> <p>[Theme Chairs] [S1 + A2] © Yoshikawa, Hiroyuki, Director-General, Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST), JP [S2 + A1] © Rubbia, Carlo, Scientific Director, Institute for Advanced Sustainability Studies e.V. (IASS), IT [S3 + B1+ B2] © Rietschel, Ernst, European Affairs Representative, acatech (National Academy of Science and Engineering), DE [S4 + C1+ C2] © Yeh, Nai-Chang, Professor, Physics, California Institute of Technology (CALTECH), US [S5 + D1 + D2] © Campbell, Philip, Editor-in-Chief, Nature, UK</p> <p>[S6+E1+E2] © Bhumiratana, Sakarindr, President, King Mongkut's University of Technology, Thonburi (KMUTT), TH [S7+F1] © Onishi, Takashi, President, Science Council of Japan (SCJ), JP [S8+F2]] © Gutfreund, Hanoch, Executive Committee Chairperson, Israel Science Foundation, IL [S9+G1+G2] © McBean, Gordon, Professor and Research Chair of Institute for Catastrophic Loss Reduction, Departments of Geography, CA [S10+H1+H2] © Chi, Youngsuk, Chairman, Elsevier Inc., US</p> <p>[Report by the Future Leaders]</p>
<p>302</p> <p>11:45-12:30</p> <p>45 min.</p>	<p>Closing Plenary Session: How do we move forward to maintain sustainability for the future of humankind? [Chair] © Omi, Koji, Founder & Chairman, STS forum, JP © Yonath, Ada, Director, The Helen and Milton A. Kimmelman Center for Biomolecular Structure and Assembly; Weizmann Institute of Science, IL © Yonekura, Hiromasa, Chairman, Keidanren (Japanese Business Federation), JP © Alsuwaidi, Faisal, President of Research and Development, Qatar Foundation, QA</p>
<p>303</p> <p>12:30-13:30</p>	<p>Farewell Buffet Lunch [Swan]</p>

Provisional / External
As of September 30, 2013, 16:00

STS forum 2013 – 10th Annual Meeting Concurrent Sessions

October 6-8, 2013

Theme Chairs				
	<p>◎ Yoshikawa, Hiroyuki, Director-General, Center for Research and Development Strategy (CRDS), Japan Science and Technology Agency (JST), JP</p>	<p>◎ Rubbia, Carlo, Scientific Director, Institute for Advanced Sustainability Studies e. V. (IASS), Potsdam, Nobel Laureate of physics 1984, IT</p>	<p>◎ Rietschel, Ernst, European Affairs Representative, acatech (National Academy of Science and Engineering), DE</p>	<p>◎ Yeh, <i>Nai-Chang</i>, Professor, California Institute of Technology (CALTECH), US</p>
Oct 6 103	<p>103-S1 Shale Gas/ Shale Oil Revolution</p>	<p>103-S2 Energy Efficiency</p>	<p>103-S3 New Developments of IPS cell</p>	<p>103-S4 Recycling Systems and Approaches</p>
16:40-18:40 120 min.	<p>[Chair] ◎ Mason, Thom, Laboratory Director, Oak Ridge National Laboratory (ORNL), US [Speakers] ◎ Toyoda, Masakazu, Chairman and Chief Executive Officer, The Institute of Energy Economics, Japan (IEEJ) ◎ Yuen, Anthony, Global Energy Strategist, Global Commodities Research Citigroup ◎ Tanguy, Philippe, Vice President, International Scientific Development Total S.A., FR ◎ Pinti, Daniel, Professor, Universite du Quebec a Montreal, CA</p>	<p>[Chair] ◎ Bamberger, Yves, Scientific advisor of the Chairman and Chief Executive Officer, Electricité de France (EDF), FR [Speakers] ◎ Kasagi, Nobuhide, Professor Emeritus, Univeristy of Tokyo; Principal Fellow, Japan Science and Technology Agency (JST), JP ◎ Panigoro, Hilmi, Chairman PT Medco Energi Internasional Tbk INDONESIA ◎ McDougall, John, President, National Research Council (NRC) Canada ◎ Çakıroğlu, Levent, CEO, Arçelik A.Ş, TR ◎ Yamanishi, Kenichiro, President & CEO, Mitsubishi Electric Corporation, JP</p>	<p>[Chair] ◎ Yamanaka, Shinya, Director, Center for iPS Cell Research and Application (CiRA); Kyoto University, JP [Speakers] ◎ Okano, Hideyuki, Professor, Keio University School of Medicine Department of Physiology, JP ◎ Sourdive, David, Executive Vice President, Corporate Development Collectis, FR ◎ Fellner, Thomas, Director and Viral Therapies Cell, Lonza Inc., US ◎ Miyamoto, Norimasa, Eisai Co., Ltd., JP ◎ Norris, John, CEO, Health Discovery Corporation, US ◎ Stacey, Glyn, Director, Division of Cell Biology and Imaging, The UK Stem Cell Bank, UK</p>	<p>[Chair] ◎ Komiyama, Hiroshi, Chairman of the Institute, Mitsubishi Research Institute, Inc., JP [Speakers] ◎ Kleiber, Michał, President, Polish Academy of Sciences (PAN), PL ◎ Okada, Masanori, Chairman, JX Nippon Mining & Metals corp, JP ◎ Duncan, Dwight, Special Advisor, Ontario Municipal Employees Retirement System (OMERS), CA ◎ Freyssinet, Philippe, Deputy Director General, French National Research Agency (ANR), FR</p>
Oct 7 201		<p>201-A1 Challenges and Solutions for Renewable and Transitional Energies</p>	<p>201-B1 Preemptive Medicine</p>	<p>201-C1 S&T Diplomacy and International Collaboration</p>
10:20-12:20 120 min.		<p>[Chair] ◎ Pierce, John, Chief Bioscientist, BP p.l.c. US [Speakers] ◎ Kubota, Takashi, Executive Chairman, Chiyoda Corporation, JP ◎ Konagai, Makoto, Professor, Graduate School of Science and Engineering, Tokyo Institute of Technology, JP ◎ Light, Peter, Director, Global Product Management, Bloom Energy Corporation, US ◎ Schmidt, Thomas, Head of Electrochemistry Laboratory, PSI, CH ◎ Zaghib, Karim, Director, Energy Storage and Conversion, Hydro-Québec Research Institute (IREQ), CA ◎ McDonald, Jim, Principal and Vice-Chancellor, University of Strathclyde in Glasgow, UK ◎ Durongkaveroj, Pichet, Secretary General, National Science Technology and Innovation Policy Office, TH</p>	<p>[Chair] ◎ Imura, Hiroo, President, Foundation for Biomedical Research and Innovation (FBRI), JP [Speakers] ◎ Puente, Jorge, President, Asia Pacific and Canada Oncology Business Unit, Asia Pacific, US ◎ Fidock, Mark, VP & Head Personalised Healthcare and Biomarker Laboratories, Research and Development AstraZeneca, UK Limited ◎ Es Sabar, <i>Karimah</i>, President and Chief Executive Officer, The Centre for Drug Research and Development (CDRD), CA ◎ Syrota, Andre, Chairman & CEO, Inserm (National Institute of Health and Medical Research), FR ◎ Iwatsubo, Takeshi, Professor, University of Tokyo, JP ◎ Hamid, Eisa Bushra Mohamed, Minister of Science and, SD ◎ Ward, J. Brian, Professor, Medicine/Microbiology Communications, McGill University, CA</p>	<p>[Chair] ◎ Arnon, <i>Ruth</i>, President, Israel Academy of Sciences and Humanities, IL [Speakers] ◎ Malone, David, Rector, United Nations University, CA ◎ Van den Berg, Dirk, President, Delft University of Technology, NL ◎ Kobayashi, Makoto, Professor Emeritus, High Energy Accelerator Research Organization (KEK), JP ◎ Harayama, <i>Yuko</i>, Executive Member, Council for Science and Technology Policy (CSTP), Cabinet Office, JP ◎ Wince-Smith, Deborah, President & CEO, Council on Competitiveness, US ◎ Grimes, <i>W. Robin</i>, Chief Scientific Adviser, Foreign and Commonwealth Office, UK</p>
Oct 7 203	<p>203-A2 Nuclear Technology Prospects</p>		<p>203-B2 Brain Medical Science</p>	<p>203-C2 Capacity Building in Developing Countries</p>
14:20-16:20 120 min.	<p>[Chair] ◎ Matsuura, Shojiro, President, Japan Atomic Energy Agency (JAEA), JP [Speakers] ◎ Crawford-Heitzmann, <i>Martha</i>, Senior Executive Vice President Research, Development and Innovation, Areva, FR ◎ Roderick, Daniel CEO and President, Westinghouse Electric Company, LLC ◎ Abe, Hiroyuki, Counselor to the president of Japan Science and Technology Agency, JP ◎ Pershukov, Vyacheslav, Deputy Director General, Chief Innovation Officer, State Atomic Energy Corporation ROSATOM, RU ◎ Cashmore, Roger, Chairman, United Kingdom Atomic Energy Authority (UKAEA), UK ◎ Alper, Zafer, President, Turkish Atomic Energy Authority (TEAK), TR ◎ Chhem, Rethy, Director, Division of Human Health, International Atomic Energy Agency (IAEA)</p>		<p>[Chair] ◎ Ugrumov, Mikhail, Advisor of the President, Presidium of the Russian Academy of Sciences on Foreign Affairs (RAS), RU [Speakers] ◎ Wong, John, Vice Provost, National University of Singapore (NUS), SG ◎ Ni, Binhui, Head, Strategy, Science Policy & External Innovation, Asia Pacific Sanofi Aventis, CN ◎ Kawabata, Shigeki, Vice President, product and portfolio ,strategy, Astellas Pharma Inc. JP ◎ Kato, Tadafumi, Senior Team Leader, Laboratory for Molecular Dynamics of Mental Disorders, RIKEN Brain Science Institute, JP ◎ Staudinger, <i>M. Ursula</i>, Vice President, German Academy of Sciences Leopoldina, DE ◎ Dakera, <i>Natalie</i>, CEO, CDRD Ventures Inc, CA ◎ Gaudreau, <i>Pierrette</i>, Director, Quebec Network for Research on Aging, CA</p>	<p>[Chair] ◎ Nutbeam, Don, Vice-Chancellor, University of Southampton, UK [Speakers] ◎ Abdulrazzak, Shaukat Ali, Secretary / Chief Executive, National Commission for Science, Technology and Innovation, KE ◎ Ahmad, Kamal, Founder, Asian University for Women, US ◎ Natars, <i>Angilica</i>, Deputy Director of LASPAU, Harvard University, US ◎ Daoudi, Lahcen, Minister of Higher Education, Scientific Research and Staff Training, MA ◎ Murenzi, Romain, Executive Director, TWAS, RW ◎ Hara, George, Chairman of the Board, The Alliance Forum Foundation/Gov. of Japan; US ◎ Iskandar, Marzan Aziz, Chairman, Agency for the Assessment and Application of Technology (BPPT), ID</p>

STS forum 2013 – 10th Annual Meeting Matrix of Concurrent Sessions

October 6-8, 2013

Theme Chairs			
	<p>© Campbell, Philip, Editor-in-Chief, Nature, UK</p>	<p>© Bhumiratana, Sakarindr, President, King Mongkut's University of Technology, Thonburi (KMUTT), TH</p>	<p>© Onishi, Takashi, President, Science Council of Japan (SCJ), JP</p>
Oct 6 103	103-S5 Water	103-S6 Smart Cities	103-S7 New Materials
16:40-18:40 120 min.	<p>[Chair] © Colwell, Rita, US Science envoy; Distinguished University Professor, University of Maryland and Johns Hopkins University, US</p> <p>[Speakers] © Ohi, Taikan, Professor, Tokyo University, JP © Kennei, Charles, Distinguished Professor Emeritus, Scripps Institution of Oceanography, US © Hutti, Reinhard, President, acatech (National Academy of Science and Engineering), DE © Eggen, Rik, Deputy Director, Swiss Federal Institute of Aquatic Science and Technology (Eawag), CH © Kurihara, Masaru, Fellow, Toray Industries, Inc., JP © Al-Hinai, Hilal, Secretary General, Research Council of Oman, OM</p>	<p>[Chair] © Harbour, Malcolm, Second Vice-Chairman; Member, Science and Technology Options Assessment (STOA); European Parliament, UK</p> <p>[Speakers] © Piou, Olivier, CEO, Gemalto, FR © Schmitt, Gerhard, Senior Vice-President, Swiss Federal Institute of Technology (ETH) Zurich, CH © Ota, Toshihiko, Mayor of Toyota City, JP © Püttgen, Hans Björn, Swiss Federal Institute of Technology, Lausanne (EPFL), CH © Kohno, Michinaga, Senior Chief Engineer, Hitachi, Ltd., JP © Sterken, Elmer, Rector Magnificus, University of Groningen, NL © Koonin, E. Steven, Director, NYU Center for Urban Science and Progress (CUSP), US</p>	<p>[Chair] © Nicolais, Luigi, President, National Research Council (CNR), IT</p> <p>[Speakers] © Isaacs, Eric, President, UChicago Argonne, LLC and Director, Argonne National Laboratory, U.S.A. © Hosono, Hideo, Professor, Tokyo Institute of Technology, JP © Cheetham, K. Anthony, Treasurer and Vice-President, The Royal Society, UK © Richter, Kobi, Chairman of the Board, Medinol, IL © Okumura, Naoki, President, Japan Aerospace Exploration Agency (JAXA), JP</p>
Oct 7 201	201-D1 Ocean	201-E1 Collaboration among Academia Industries and Government	201-F1 Industrial Innovation
10:20-12:20 120 min.	<p>[Chair] © Lubchenko, Jane, Distinguished Professor of Zoology and The Wayne and Gladys Valley Professor of Marine Biology, Oregon State University (OSU), US</p> <p>[Speakers] © Shirayama, Yoshihisa, Executive Director of Research, Japan Agency for Marine-Earth Science and Technology (JAMSTEC), JP © Choi, Hang Soon, Vice President of Policy, The Korean Academy of Science and Technology (KAST), KR © Mohr, Mamoru, Executive Director, Astronaut National Museum of Emerging Science and Innovation (Miraikan), JP © Sathyendranath, Shubha, Senior Scientist, Remote Sensing and Plymouth Marine Laboratory, CA</p>	<p>[Chair] © McCullough, Richard, Vice Provost, Harvard University, US</p> <p>[Speakers] © Cantor, Brian, Vice-Chancellor, University of Bradford, UK © Courvoisier, Thierry, President, Swiss Academy of Arts and Sciences, CH © Hashimoto, Kazuhito, Professor, University of Tokyo, JP © Ponomarev, Alexey, Vice President, Industrial Cooperation and Public Programs, Skolkovo Institute of Science and Technology, RU © Khokhlov, Alexei, Vice-Rector, Department for Innovation Policy and International Scientific Cooperation Lomonosov Moscow State University, RU © Reddy, Daya, President, Academy of Science of South Africa, ZA © Akimoto, Hiroshi, CEO & COO, Intellectual Property Strategy Network, Inc., JP</p>	<p>[Chair] © Blanco Mendoza, Herminio, Founder and Chief Executive Officer, Soluciones Estratégicas, MX</p> <p>[Speakers] © Pekarun, Mehmet, President, Sabanci Holding A.S. TUR © Parker, Richard, Director of Research & Technology, Research and Technology, Rolls-Royce plc, UK © Colombani, Pascal, Chairman of the Board, Valeo S.A., FR © Kasuga, Fumiko, Vice-President for International Affairs, Science Council of Japan, JP © Mallory, Greg, Partner & Managing Director, The Boston Consulting Group, US © Revellin-Falcoz, Bruno, Honorary President and Delegate for Foreign Affairs, National Academy of Technologies of France (NATF), FR</p>
Oct 7 203	203-D2 Biodiversity	203-E2 Public Outreach of S&T	
14:20-16:20 120 min.	<p>[Chair] © Takeuchi, Kazuhiko, Vice Rector, United Nations University</p> <p>[Speakers] © Mahakhant, Aparat, Research Expert, Thailand Institute of Scientific and Technological Research (TISTR), TH © Falk, Jim, Honorary Professorial Fellow, University of Melbourne, AU © Steen, Tomoko, Associate Professor, Georgetown University, School of Medicine, US © Burkhardt-Holm, Patricia, Head of program Man-Society-Environment, University of Basel, CH © Woodruff, David, Director, Sustainability Solutions Institute, University of California, San Diego (UCSD), US © Magnan, Pierre, Chair and Director, Canada Research Chair in Fresh Water Ecology, Environmental Sciences, CA © Sales Melo, Guilherme, Director of Engineering, Exact Sciences and Humanities, National Council for Scientific and Technological Development (CNPq), BR © Amball, Aggrey, Advisor and head of NEPAD office of science and technology, ZA</p>	<p>[Chair] © Lim, Chuan Poh, Chairman, Agency for Science, Technology and Research (A*STAR), SG</p> <p>[Speakers] © Schmidt, Brian, Distinguished Professor, Australian National University, AU © Wünnig Tschol, Ingrid, Senior Vice-President & Head of Health and Science Department, Robert Bosch Foundation, DE © Winnacker, Ernst-Ludwig, Secretary General, Human Frontier Science Program (HFSP), DE © Mazur, Eric, Area Dean of Applied Physics, Harvard University, US © Shiraishi, Takashi, President, The National Graduate Institute for Policy Studies (GRIPS), JP</p>	

Theme Chairs	<p>© Gutfreund, Hanoch, Executive Committee Chairperson, Israel Science Foundation, IL</p>	<p>© McBean, Gordon, Director, Institute of Catastrophic Loss Reduction, London, Ontario, CA</p>	<p>© Chi, Youngsuk, Chairman, Elsevier Inc., US</p>
<p>Oct 6 103</p>	<p>103-S8 Nanotechnology</p> <p>[Chair] © Arakawa, Yasuhiko, Director of Institute for Nano Quantum Information Electronics; Director of Nanoelectronics Collabor, The University of Tokyo, JP</p> <p>[Speakers] © Kono, Junichiro, Professor, Rice University, US © Kaiserswerth, Matthias, Director and Vice President, IBM Research - Zurich, CH © Sudo, Akira, Corporate Executive Vice President, TOSHIBA, JP © Collard, Dominique, Director of research, Director of the international joint Unit UMI2820, Laboratory of Integrated Micro Mechatronic Systems LIMMS/CNRS-IIS (UMI 2820)</p>	<p>103-S9 Robotics for the Future</p> <p>[Chair] © Kleiner, Matthias, Head of Institute of Forming Technology and Lightweight Construction, TU Dortmund University, DE</p> <p>[Speakers] © Dario, Paolo, Professor of Biomedical Robotics, Scuola Superiore Sant'Anna, IT © Hackwood, Susan, Executive Director, Professor of Electrical Engineering, California Council on Science & Technology; University of California Riverside, US © Kheddar, Abderrahmane, Director, French National Center for Scientific Research (CNRS), FR © Asama, Hajime, Professor, University of Tokyo, JP</p>	<p>103-S10 Social Innovation for Sustainability</p> <p>[Chair] © Mayer, Karl, President, Leibniz Association, DE</p> <p>[Speakers] © Boyle, Paul, Chief Executive Economic and Social Research Council U.K. © Dijkgraaf, Robbert, Director and Leon Levy Professor, Institute for Advanced Study (IAS), Princeton, US © Crawley, Edward F., President, Skolkovo Institute of Science and Technology, US © Taquet, Philippe, President, Academy of Sciences of France, FR © Diderichsen, Berge, Professor, PhD, Vice President, R&D Outreach and Special envoy of the CSO, Corporate Research Affairs (CORA) Novo Nordisk A/S © Wong, Man-Kong (Peter), Chairman, Cultural Resources Development Co. Ltd., HK © Patel, Ketan, Chief Executive Officer, Greater Pacific Capital, U.K. © Tamaki, Rintaro, Deputy Secretary-General, OECD, JP</p>
<p>Oct 7 201</p>	<p>10:20-12:20</p> <p>120 min.</p>	<p>201-G1 Adaptation to Climate Change (RACC5)</p> <p>[Chair] © Zehnder, Alexander Paul Lucien, Managing Partner, Triple Z GmbH., CH</p> <p>[Speakers] © Hasan, Mohamed, Co-Chair, iap, SD © Swartz, Derrick, Vice Chancellor, Nelson Mandela Metropolitan University, ZA © El-Beltagy, Adel El Sayed Tawfik, International Dryland Development Commission (IDDC) President of the Governing Board, International Centre for Advanced Mediterranean Agronomic Studies (CIHEAM) © Yasunari, Tetsuzo, Director-General, Research Institute for Humanity and Nature (RIHN), JP © Sumi, Akimasa, President, National Institute for Environmental Studies (NIES), JP</p>	<p>201-H1 ICT for Education</p> <p>[Chair] © Eriksson, Per, President, Office of the Vice Chancellor Lund University, Lund University, SE</p> <p>[Speakers] © Leebron, David, President, Rice University, US © Saracco, Roberto, Director, Telecom Italia SpA, IT © Kurokawa, Kiyoshi, National Graduate Institute for Policy Studies (GRIPS), JP © Yasuda, Yutaka, Chairman, KDDI R&D Laboratories, JP</p>
<p>Oct 7 203</p>	<p>203-F2 Intellectual Properties Rights</p> <p>[Chair] © Dickinson, Todd, Executive Director, American Intellectual Property Law Association (AIPLA), US</p> <p>[Speakers] © Hato, Hideo, Commissioner, Japan Patent Office, JP © Alzawa, Masuo, Counselor to the President of Japan Science and Technology Agency/ Professor Emeritus, Tokyo Institute of Technology, JP © Ennis, Patrick, Global Head of Technology, Intellectual Ventures, US © Fortin, Clement, President and CEO, CRIAQ (Consortium for Research and Innovation in Aerospace in Quebec), CA © Cuthbertson, Matthew, Deputy Pro Vice-Chancellor, Research and Innovation, College of Science, Engineering & Health Royal Melbourne Institute of Technology University, AU © Jefferson, Richard, Founder and Chief Executive Officer, CAMBIA, AU</p>	<p>203-G2 Measures against Disasters</p> <p>[Chair] © Sibisi, Sibusiso, CEO, The Council for Scientific and Industrial Research (CSIR), ZA</p> <p>[Speakers] © Ono, Yuichi, Professor, International Research Institute of Disaster Science (IRIDS), Tohoku University, JP © Djamaluddin, Ridwan, Deputy Chairman for Natural Resource Development Technology, Agency for the Assessment and Application of Technology, ID © Tharathep, Chanvit, Deputy Permanent Secretary, Ministry of Public Health of Thailand © Bolshov, Leonid Aleksandrovich, Director of Nuclear Safety Institute (IBRAE RAN), Russian Academy of Sciences (RAS), RU © Staman, Jan, Director, Rathenau Institute, NL</p>	<p>203-H2 Science and Engineering Education for the 21st Century</p> <p>[Chair] © Grimson, Eric, Chancellor, Massachusetts Institute of Technology (MIT), US</p> <p>[Speakers] © Mishima, Yoshinao, President, Tokyo Institute of Technology, JP © Zgurovsky, Mykhail, Rector, National Technical University of Ukraine "KPI" (Kyiv Polytechnic Institute), UA © Dorfan, Jonathan, President & CEO, Okinawa Institute of Science and Technology Graduate University (OIST), US © Negishi, Ei-ichi, Herbert C. Brown Distinguished Professor of Organic Chemistry, Department of Chemistry Purdue University, Nobel Laureate for chemistry 2010, US © Andersson, Bertil, President, Nanyang Technological University (NTU), SG © Smith, Steve, Vice-Chancellor and Chief Executives Streatham Campus, Northcote House, University of Exeter, UK © Al-Misnad, Sheikha Abdulla, President, Qatar University, QA</p>