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Join us at : **STS *forum* 2017, 14<sup>th</sup> Annual Meeting**  
October 1, 2 and 3, 2017  
Kyoto International Conference Center

### February 28<sup>th</sup>, 2017---The 2<sup>nd</sup> STS forum INDIA-Japan Workshop in Delhi, India

Prime Minister Shinzo Abe of Japan and Prime Minister Narendra Modi of India agreed in 2015 that Japan and India have reached the new level of collaboration in the areas of infrastructure, manufacturing and high technology, and the two countries should seek to transform into knowledge-based societies and to continue strengthening their institutionalized science and technology cooperation. Following this agreement, STS forum and the Ministry of Science and Technology of India organized the 2<sup>nd</sup> STS forum INDIA-Japan Workshop on February 28, 2017 in Delhi. Approximately 120 leaders in the area of policy making, academia and industry gathered from India and Japan.

Koji Omi, Founder & Chairman of STS forum, explained that the objective of this workshop is to enrich bilateral relations between Japan and India by strengthening mutual cooperation in the areas of science, technology and innovation. Also he expressed his expectations that this Workshop would be a good opportunity to deepen cooperation between India and Japan in the field of biotechnology.

Dr. Harsh Vardhan, Minister of Science & Technology and Earth Sciences in his Keynote Speech, introduced "Make in India", an initiative launched by Prime Minister Modi in 2014. "Make in India" aims to attract foreign direct investments in India to



Minister Harsh Vardhan of Ministry of Science & Technology and Earth Sciences of the Government of India

establish high quality standards and minimizing the impact on the environment, at the same time aiming the job creation and skill enhancement in the 25 sectors of the economy in India one of which is Biotechnology. The Workshop was consisted of two sessions, "Session 1: Innovation, Science & Technology Cooperation between India and Japan" chaired by Dr. Kazuhito



Koji Omi, Founder and Chairman of STS forum

Hashimoto, President of the National Institute for Materials Science (NIMS) and "Session 2: Cooperation on Biotechnology and Genetic Engineering between India and Japan" chaired by Dr. Vijay Raghavan, Secretary to the Government of India, Department of Biotechnology, Ministry of Science and Technology. After the short speech by respective speakers, the attendees had group discussions.



Left: from left, Dr. Kazuhito Hashimoto, President of National Institute for Material Science (NIMS) and Dr. Ryoji Chubachi, President of National Institute of Advanced Industrial Science and Technology (AIST), Center: Dr. Ashwani Kumar, Senior Advocate Supreme Court, Former Union Minister of Law & Justice & Member of Parliament, India, making the closing speech, Right: Table discussions among the participants.

### April 20<sup>th</sup>, 2017—the 4<sup>th</sup> ASEAN-Japan Workshop in Bali, Indonesia



Speakers of the Opening Session: from left: Prof. Dr. E. Listiani Dewi, Deputy Chairperson of BPPT, Ambassador K. Sunaga, Mission of Japan to ASEAN, Dr. M. D. Markum, Director General, Ministry of Research, Technology and Higher Education, Dr. T. Taniguchi, Senior Advisor, STS forum, Prof. J. S. Djamal, Chairman, Matsushita Gobel Foundation, Mr. Y. Akahoshi, President, JETRO and Dr. U. Priyanto, Chairman, BPPT,

The 4<sup>th</sup> ASEAN-Japan Workshop was organized by STS *forum* and the Agency for the Assessment and Application of Technology (BPPT) with Japan External Trade Organization (JETRO) as Co-Organizer on April 20<sup>th</sup>, 2017 in Bali, Indonesia. The ASEAN-Japan workshop was started in 2014 following the adoption of the “Vision Statement on ASEAN-Japan Friendship Cooperation” by Prime Minister Shinzo Abe and ASEAN Leaders in 2013 at the Summit Meeting Commemorating the 40<sup>th</sup> Anniversary of Japan-ASEAN

Dialogue relationships. The purpose of the Workshop is to enhance the collaboration among R&D communities, industries and governments in the ASEAN countries and Japan recognizing the science, technology and innovation are the key drivers of sustainable economic developments.

At the Opening Session, after the welcome remarks by Dr. Unggul Priyanto, Chairman of BPPT, Prof. Tomihiro Taniguchi, Senior Advisor of STS *forum*, who delivered the message on behalf of Chairman Omi, Mr. Yasushi Akahoshi, President of JETRO, and Ambassador Kazuo Sunaga of the Mission of Japan to ASEAN, Mr. Jusman Syafii Djamal, Chairman of Matsushita Gobel Foundation and Dr. Muhammad Dimiyati Markum, Director General for Strengthening for Research and Development of Ministry of Research, Technology and Higher education of the Republic of, Indonesia made the keynote speeches. Then there were two sessions, “Session 1: Innovation for Economic Development: Collaboration among Research Institutions, Academia, Industries and Government” chaired by Prof. Dr. Bambang Subiyanto Vice-Chairman of Indonesian Institute of Sciences (LIPI) and “Session 2: Smart City for Sustainable Development” chaired by Professor Takashi Onishi, President of Science Council of Japan (SCJ). Finally at the Concluding Remarks, Dr. Rowena Cristina L. Guevara, Undersecretary for Research and Development of the Department of Science and Technology (DOST) of the Philippines announced that DOST will organize the 5<sup>th</sup> ASEAN-Japan Workshop in the Philippines in 2018.



Dr. R.C.L. Guevara of Department of Science and Technology, the Philippines,



Group photo of approximately 120 participants of the workshop from ASEAN Countries (Singapore, Malaysia, Thailand, Indonesia, Myanmar, Cambodia and the Philippines) and Japan.



## Latest activities of STS forum

### Workshop: European Parliament

#### May 30<sup>th</sup>, 2017---the 2<sup>nd</sup> High-Level Conference of Political, Industrial and Academic Leaders "THE FUTURE OF MOBILITY".

STS forum and the Science and Technology Options Assessment (STOA) Panel of the European Parliament organized the 2<sup>nd</sup> High-Level Conference of Political, Industrial and Academic Leaders entitled "The Future of Mobility" on May 30<sup>th</sup> at the European Parliament in Brussels, Belgium. The conference was supported by Japan External Trade Organization (JETRO). This conference is a part of the close relationship STS forum and STOA have developed over the years and aims at strengthening, through an open and constructive exchange of views among leading personalities in the face of the common challenges confronting our societies and the capacity of science, technology and innovation to provide the resources and instruments for successfully tackling them.

This year, the Conference put an emphasis on "The Future of Mobility" which is an essential part of modern life. The automobile sector especially which is among the most important and innovative sector is about to approach a dramatic system change in which modern societies will need to redefine the way they meet mobility needs of their citizens.



Opening Session , Keynote Speeches and Closing Session from left (by speaking order) : 1. Mr. Ramón Luis Valcárcel Siso, Vice-President responsible for STOA, European Parliament, 2. Koji Omi, Founder & Chairman of STS forum, 3. Dr. Paul Rübig, MEP & 1<sup>st</sup> Vice-Chair of STOA, 4. Mr. Kazuo Kodama, Ambassador to the Mission of Japan to European Union, 5. Dr. Ryoji Chubachi, President of AIST, 6. Ms. Cristina Russo, Director for International Cooperation, Directorate-General for Research and Innovation of European Commission and 7. Ms. Eva Kaili, MEP and Chair of STOA (photos 1, 2, 3, 4, 5, & 6 © European Union 2017)

The conference was consisting of Opening Session, Keynote Speeches, and two Panels, "Panel I: Sustainable Urban Mobility" chaired by Dr. Vladimír Šucha, Director-General, Directorate-General Joint Research Centre, European Commission, and "Panel II: Novel Transport Technologies" chaired by Mr. Mark Dubrulle, President, Club of Rome EU Chapter. Approximately 120 leaders of governments, industries and academia gathered to discuss the present and the future of mobility with its challenges.



Panel I: Sustainable Urban Mobility



View of the Conference ©  
European Union 2017



Panel II: Novel Transport Technologies

# Council Meeting

## May 17<sup>th</sup>, 2017 ---the 2<sup>nd</sup> 2017 Council Meeting in London, UK

Following the first 2017 Council Meeting in Washington D.C. on February 13, 2017, the members of the Council Meeting gathered in London and discussed the program and the speakers of the coming 14<sup>th</sup> Annual Meeting in Kyoto in October. We would like to express our sincere gratitude to Sir Venki Ramakrishnan, President of the Royal Society who offered the venue for the meeting.



On the same day of the Council Meeting, STS *forum* Board Meeting was also held and the new appointments were approved. We welcome the following new members of the Board.



**Sir Venkatraman Ramakrishnan**,  
President, The Royal Society; Nobel Prize in Chemistry (2009), UK

**Prof. Shinya Yamanaka**,  
Director and Professor, Center for iPS Cell Research and Application, Kyoto University; Nobel Prize in Physiology or Medicine (2012), JP,



**Dr. Peter Gruss**  
President and CEO, Okinawa Institute of Science and Technology Graduate University (OIST)



**Mr. Satoshi Tanaka**,  
Executive Director, STS *forum*

## Chairman Omi's Trips

**Chairman Koji Omi visited India, Canada and USA in February and March in order to meet with and invite the leading figures to STS forum 14<sup>th</sup> Annual Meeting. The following is the outline of his visits.**

### **India: Delhi and Mumbai --- February 26-March 2, 2017**

On the occasion of the 2<sup>nd</sup> STS forum India-Japan Workshop which was held on February 28, 2017, Chairman Omi visited Delhi and Mumbai to meet government officials, head of academia and industries to introduce and invite them to the STS forum 14<sup>th</sup> Annual Meeting. Chairman Omi had meetings with the following leaders: Dr. Harsh Vardhan, Minister of Science & Technology and Earth Sciences, who delivered keynote speech at the Workshop. Among others, Chairman Omi visited Amity University, Dr. W. Selvamurth, President of Amity Science Technology & Innovation Foundation; Indian Institute of Technology, Professor V. Ramgopal Rao, Director of IIT-Delhi, and Professor Devang Khakhar, Director of IIT-Bombay; Escorts Ltd, Mr. Rajan Nanda, Chairman; Toyota Kirloskar Motor Pvt., Mr. Vikram Kirloskar, Vice Chairman; Tata Trust, Mr. Ratan N. Tata, Chairman.



*Minister H. Vardhan of the Ministry of Science & Technology and Earth Sciences*



*Mr. Ratan N. Tata, Chairman of Tata Trust*

### **Canada: Ottawa, Montreal and Toronto --- March 19-25, 2017**

Chairman Omi visited Montreal to attend the luncheon organized by the Montreal Council on Foreign Relations (CORIM) as a speaker which is one of series of events related to the Future Earth Annual Meeting. The luncheon examined a range of topics, including "strengthening collaboration between academia and business" and "finding scientific and technological solutions to achieve a low-carbon society." Using this visit, Chairman Omi also visited Ottawa and Toronto. In Montreal, he had meetings with academia and industries arranged by the State Government of Quebec.



LEFT: From left: Dr. Remi Quirion, Quebec Chief Scientist, Ms. Andree-Lise Methot, Founder and Managing Partner of Cycle Capital Management, Koji Omi, Founder and Chairman of STS forum, Dr. Paul Shrivastava, Senior Advisor of Future Earth and Chief Sustainability Officer and Director of Sustainability Institute of The Pennsylvania State University, on the right end.  
RIGHT: Chairman Omi giving a speech at the CORIM Luncheon.



### **USA: San Francisco and Los Angeles --- March 25-30, 2017**

On the way back from Canada, Chairman Omi visited San Francisco and Los Angeles and visited the following academic institutions among others: Lawrence Livermore National Laboratory, Dr. Bill Goldstein, Director; University of California Berkeley, Dr. Paul Alivisatos, Vice Chancellor for Research, and Professor Jennifer Doudna, Professor of Chemistry and of Molecular and Cell Biology; University of California San Francisco, Dr. Bruce Alberts, Chancellor's Leadership Chair in Biochemistry and Biophysics for Science and Education. Also Chairman Omi visited some of the corporations such as Google, Oracle Corporation, Airbnb, NVIDIA, Palo Alto Networks and others. Finally, he visited Gordon and Betty Moore Foundation and met Dr. Harvey Fineberg, President.



## Message from STS *forum* Regular Participant

### Message from Minister Naledi Pandor, MP and Minister of Science and Technology, Republic of South Africa to the STS *forum* Newsletter



Over several years now, I have had the huge privilege to be a regular participant in the Science and Technology in Society *forum*. These precious days spent in Kyoto provided me with invaluable opportunities to discuss with and learn from colleagues and experts from around the world on how to harness investment in science and technology for the advancement of our societies. In Kyoto, I have formed and cemented many rich partnerships, and above all friendships for South Africa. For this, I am truly grateful and will always cherish the opportunity to participate in the unique event, which is the STS *forum*. I am also committed to contribute to its organisation through my role as

Council Member.

Science and technology has a critical role to play in Africa's growth and development. Science on our continent through the combined efforts and investments of African governments and their partners are steadily advancing, capacities are strengthening and African scientists are achieving significant results. Nonetheless, we should do much more and international partnerships, such as those the STS *forum* can unlock will be as crucial as ever. I therefore immensely appreciate Mr. Omi's efforts to increase African participation in the STS *forum* and value our strategic cooperation within the framework of the Tokyo International Conference for Africa's Development (TICAD) to achieve this objective.

The STS *forum* also provided inspiration for the organisation of the Science Forum South Africa (SFA). I convened the SFA in 2015 and 2016, and will again on 7-8 December 2017, to provide South Africa and the rest of the African continent with a platform for a vibrant public discussion on the role science should play in our societies. Mr. Omi afforded us the huge honour of his personal participation in both the 2015 and 2016 Forums. Furthermore, Mr. Omi in 2015 graciously accepted the inaugural SFA Science Diplomacy Award in recognition of the STS *forum's* contribution to fostering international friendship, partnership and understanding through science.

Despite the tremendous science and technology advances, our world in many aspects remains a fragile one. Societal challenges such as climate change, food security and pandemic disease, and above all poverty, inequality and exclusion, mean more than ever, that a concerted global research and innovation effort for sustainable development is required. In this context, we should be grateful that we are able to count on the leadership of visionaries such as Mr. Omi, who continues to work incessantly for a better world, which in the spirit of the Sustainable Development Goals, will leave no-one behind. I, thus, very much look forward to seeing him and all the friends of the STS *forum* in Kyoto this October to continue our work.



Minister Pandor at STS forum 12<sup>th</sup> Annual Meeting in 2015, Plenary Session 301 "How do we move forward to maintain Sustainability for the Future of Humankind"..

# Announcement - The 14<sup>th</sup> Annual Meeting

## **STS forum 2017 – The 14<sup>th</sup> Annual Meeting**

**Date: October 1-3, 2017**

**Venue: Kyoto International Conference Center, Kyoto, Japan**

Beside 10 Plenary Sessions and 30 Concurrent Sessions, there will be 11 side events such as S&T Ministers' Roundtable, University Presidents' Meeting, Dialogue between Future Leaders and Nobel Laureates. This year, amongst approximately 1,400 participants, the following leaders have responded to participate in the 14<sup>th</sup> Annual Meeting (as of July 7, 2017):

- ABE, Shinzo, Prime Minister, Government of Japan, Japan
- ABDUL HAMID, Zakri, Science Advisor to the Prime Minister, Government of Malaysia, Malaysia
- AL-FALIH, Khalid, Minister of Energy, Industry and Mineral Resources, Chairman of the Board, Saudi Aramco, Saudi Arabia
- AMANO, Yukiya, Director General, International Atomic Energy Agency (IAEA), Japan
- ANDERSSON, Bertil, President, Nanyang Technological University, Singapore
- ARTHUR, Michael, President, the University College of London, UK
- BIGOT, Bernard, Director-General, ITER, France
- BOURGUIGNON, Jean-Pierre, President, European Research Council (ERC), Belgium
- BULGURLU, Hakan, CEO, Arçelik A. Ş., Turkey
- CHUBACHI, Ryoji, President, National Institute of Advanced Industrial Science and Technology (AIST), Japan
- CLARK, Greg, CEO, Symantec Corporation, USA
- CORDOVA, France, Director, National Science Foundation (NSF), USA
- DEES, Joachim, CEO, MAN SE, Germany
- DOVORKOVICH, Arkady, Deputy Prime Minister, Government of Russian Federation, Russia
- GANTSHO, Mandla, Chairman, Impara Platinum, South Africa
- GOLDSTEIN, William, Director, Lawrence Livermore National Laboratory, USA
- GONOKAMI, Makoto, President, the University of Tokyo
- GRUSS, Peter, President and CEO, Okinawa Institute of Science and Technology Graduate University, Germany
- GUZZELLA, Lino, President, ETH Zurich, Switzerland
- HOLLIDAY, Charles O., Chairman, Royal Dutch Shell plc., former Chairman of the Bank of America, USA
- ISRAEL, Stephane, Chairman & CEO, Arianespace, FR
- KEARNS, Paul, Interim Director, Argonne National Laboratory, USA
- KLEINER, Matthias, President Leibniz Association, Germany
- KHOSLA, Pradeep, Chancellor, University of California, San Diego (UCSD), USA
- KOMIYAMA, Hiroshi, Chairman, Mitsubishi Research Institute, Inc.
- KULESHOV, Alexander, President of SKOLTECH, Russia
- LIM, Chuan Poh, chairman, Agency for Science, Technology and Research (A\*STAR), Singapore
- MATSUNO, Hirokazu, Minister, Ministry of Education, Culture, Sports, Science and Technology, Japan
- MCKINNEL, Henry, Chairman, Moody's Corporation, former Chairman, Business Roundtable, USA
- McNUTT, Marcia, President, National Academy of Sciences, USA
- MURAD, Ferid, Professor, Department of Medicine, Stanford University, Nobel Prize in Physiology or Medicine (1998), USA
- NAGAI, Ryozo, President, Jichi Medical University, Japan
- RAMAKRISHNAN, Venkatraman, President of Royal Society, Nobel Prize in Chemistry (2002), UK
- ROBERTS, Richard J., Chief Scientific Officer of New England Biolabs, Nobel Prize in Physiology or Medicine (1993), UK
- SAKAKIBARA, Sadayuki, Chairman, KEIDANREN (Japan Business Federation), Japan
- SANTO, Masaji, CEO, Chiyoda Corporation, Japan
- SEKO, Hiroshige, Minister, Ministry of Economy, Trade and Industry, Japan
- TATA, Ratan, Chairman, Tata Trust, India
- TSURUHO, Yosuke, Minister of State for Science and Technology, Government of Japan, Japan
- UCHIYAMADA, Takeshi, Chairman of the Board, Toyota Motor Corporation, Japan
- WIESEL, Torsten Nils, President Emeritus, the Rockefeller University, Nobel Prize in Physiology or Medicine (1981), USA
- WILLIAMS, Keith, President and Chief Executive Officer, UL LLC, USA
- YAMAGIWA, Junichi, President, Kyoto University, Japan
- YAMANAKA, Shinya, Director and Professor of Center for iPS Cell Research and Application, Kyoto University, Nobel Prize in Physiology or Medicine (2012), Japan