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Join us at : STS *forum* 2016, 13th Annual Meeting

October 2, 3 and 4, 2016

Kyoto International Conference Center

With this summer issue, we would like to keep you updated on events and activities related to STS forum since the last winter issue.

May 4th, 2016---the Workshop “Adapting to the Changing World through Science, Technology, and Innovation” in Brussels, Belgium.

The First Workshop organized by STS *forum* and Science and Technology Options Assessment (STOA) of the European Parliament was held in Brussels, Belgium on May 4 entitled “Adapting to the Changing World through Science, Technology and Innovation: Strengthening Cooperation between the STS *forum* and the EU”. Koji Omi, Founder and Chairman of STS *forum*, in his opening remarks stated that the EU and the STS *forum* sharing the same ideas for future humanity should set a clear path for science and technology to contribute to the solutions to the humanity. He believed that this meeting would be the first essential step for determining our future ties and laying the groundwork for future broader cooperation between STS *forum* and the EU. The concrete cooperation not only in science, technology and innovation but also over a wide range of social and economic issues was the aim of this workshop.

After the opening remarks by Dr. Paul Rübig, Chairman of STOA and the Member of the European Parliament, and by Mr. Hiroyuki Ishige, Chairman of Japan External Trade Organization (JETRO), the keynote speeches and two panels, “Open Science in an Open World” and “Open Innovation for Sustainable Development”, followed. During the workshop, very intense and heated discussion were made between the panelist and with the participants. Approximately 140 participants belonging to the government, academia and business sectors attended the Workshop.



June 6th, 2016---STS *forum* INDIA-Japan Workshop in Delhi, India

In 2015, Prime Minister Shinzo Abe and Prime Minister Narendra Modi agreed 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* organized the First India-Japan Workshop on June 6, 2016 in Delhi together with Ministry of Science and Technology of India and with the support of JETRO and Confederation of Indian Industry.

As Koji Omi, Founder & Chairman of STS *forum*, stated in his opening speech that the purpose of this workshop is to enrich bilateral relations between Japan and India by strengthening and accelerating mutual cooperation in the areas of science, technology and innovation. Prof. Ashutosh Sharma, Secretary of Department of Science and Technology of Ministry of



Science and Technology of India, expressed his expectation for the real dialogue on the problems which India and Japan shares.

Dr. V.K. Saraswat, Member of the National Institution for Transforming India Aayog, made the keynote speech. After the Keynote Speech, there were two sessions, "Innovation, Science & Technology Cooperation between India and Japan" and "Cooperation on Smart Cities between India and Japan". In these two sessions, after the brief speech by each speaker, the participants had active discussions by the table. Approximately 130 participants including the government officials, members of the academia, and the industrial leaders from India and Japan were present.

Finally concluding addresses were made by Mr. Yonetani, Vice President of JETRO, Dr. Ashwani Kumar, former Minister of Science and Technology and Law and Justice, and Chairman Omi. They all agreed to continue this initiative between the two countries and will hold the Second INDIA-Japan Workshop in 2016.



June 9th, 2016--- ASEAN-Japan Workshop in Bangkok, Thailand

On June 9th, 2016 the ASEAN-Japan Workshop “Innovation, Science & Technology for Sustainable Development” was held in Bangkok, Thailand organized by the National Science and Technology Development Agency (NSTDA), and STS *forum*, co-organized by JETRO. Approximately 150 participants, mixture of government officials, academic professionals and industrial leaders from the seven ASEAN countries and Japan gathered and actively discussed two topics under the theme of STI for sustainable development, which are the innovation and linkages between small and medium-sized enterprises (SMEs) and global companies, and the human capital development. This Workshop was the third ASEAN- Japan Workshop following

first in Singapore in 2014 and the second in Kuala Lumpur, Malaysia in 2015. As the ASEAN Economic Community (AEC) was established in 2015, it was timely to pay attention to the raising human capital and stimulating innovation in SMEs to enhance long-term economic stability and healthy employment.

There were keynote speeches by Professor Dr. Yongyuth Yuthavong, former Deputy Prime Minister and the first President of NSTDA, and by Dr. Pichet Durongkaveroj, Minister of Thailand Ministry of

Science and Technology. During the two sessions, the active and heated discussions were exchanged by the tables.

Finally, Mr. Koji Yonetani, Vice Executive President of JETRO, Dr. Thaweesak Koanantakool, President of NSTDA, and Koji Omi, Founder and Chairman of STS *forum* delivered concluding remarks, reconfirming the importance of SIT as a crucial driver of rising prosperity and improving national competitiveness in a sustainable and inclusive way. It is believed that mutual network among the ASEAN countries and Japan could contribute to the sustainable development in the world. In light of the successful achievement of this year, Indonesian delegate proposed to host the next workshop in 2017 to be held in Bali, Indonesia, and all other participants welcomed this initiative.



May 3rd, 2016 ---the 2nd 2016 Council Meeting in Paris, France

Following the first 2016 Council Meeting in Washington D.C. on January 11, 2016, the members of the Council Meeting gathered in Paris and discussed the program and the speakers of the coming 13th Annual Meeting in Kyoto in October. We would like to express our gratitude to Dr. Alain Fuchs, President of French National Centre for Scientific Research (CNRS) who offered conference room for the meeting.



What's coming



August 27, 2016--- STS forum TICAD VI Japan-African Workshop

On the occasion of TICAD VI, the STS *forum* will provide a wider platform as special event of TICAD VI to gather many stakeholders engaged in sustainable development in African countries and to exchange views for finding best solutions including the achievement of Sustainable Development Goals. This interaction among policy makers, business leaders and scientists will also contribute to create collaboration among them and to secure pathways to reach practical solutions for each partner.

"STS *forum* TICAD VI Japan-African Workshop for Strengthening Cooperation in Science, Technology and Innovation" is scheduled to be held as an official side event of TICAD VI in Nairobi, Kenya on Saturday, August 27 at the Kenyatta International Convention Center (TICAD Venue) . It is organized by STS *forum* together with Ministry of Education, Science and Technology and National Commission for Science, Technology and Innovation both of the Republic of Kenya and Department of Science and Technology of the Republic of South Africa. Also the Workshop is supported by the African Union Commission and Embassy of Japan in Kenya. We are expecting more than 200 participants.

Message from STS *forum* Participant



Professor Nai-Chang Yeh

Professor of Physics and Fletcher Jones Foundation
Co-Director of the Kavli Nanoscience Institute
California Institute of Technology

I have aspired to be a scholar and to pursue the beauty and truth of the universe since childhood. Therefore, in later years I was quite content with my position as a physics professor at the California Institute of Technology because I could concentrate on scientific research, intellectual pursuit and education. However, life is full of surprises and my notion of "proud of being useless" took a different turn in the summer of 2010 when I was on my way back to Los Angeles from Hong Kong. I happened to sit right next to Chairman Omi on the plane and so had the opportunity to learn directly from him about the STS *forum*. I was very impressed by Chairman Omi's passionate conviction to steering science and technology towards benefiting mankind and evading the potential harm and abuse. The encounter with Chairman Omi prompted me to reflect on the societal duty of a scientist beyond pure academic pursuit.

Since 2011 I have been a regular participant of the STS *forum*. The experience has not only broadened my horizon but also helped me build friendship and enabled new opportunities for international and industrial collaborations. Additionally, I became more cognizant of the potential impact and societal relevance of my own curiosity-driven research in quantum physics and nanoscience. My interaction with leaders from different sectors and the better understanding that I developed about major challenges facing mankind also reshaped my view and practice as an educator: The education of future scientists and engineers must not only emphasize the technical aspects but also bring about their awareness of the bright and dark side of science and technology and instill in them a sense of responsibility to benefit mankind.

The STS *forum* has been a life-changing experience to me and many other participants, and I have no doubt that it will continue to better the world by bringing people together to work towards a common goal.



STS forum is led by 83 Council Members from 28 countries and regions. For those who are not familiar with them, we take great pleasure in introducing some members.

Dr. Ismail Serageldin

Director
Bibliotheca Alexandrina
Arab Republic of Egypt



Dr. Ismail Serageldin is the Founding Director of Bibliotheca Alexandrina (the Library of Alexandria) of Egypt. He is Advisor to the Egyptian Prime Minister in matters concerning culture, science, and museums. He has been Distinguished Professor at the College de France in Paris (2010-2011), Vice-President of the World Bank (1993-2000), and has received the Public Welfare Medal of the National Academy of Sciences (USA), as well as the Legion d'Honneur (France) and the Order of the Rising Sun (Japan). He is a member of many academies, and has received over 34 honorary doctorates. Dr. Serageldin serves as chair and member of a number of advisory committees for academic, research, scientific and international institutions and civil society efforts. He lectures and publishes widely.

Professor Yuan Tseh Lee

President Emeritus
Institute of Atomic and Molecular Sciences
Academia Sinica
Nobel Laureate
Chinese Taipei



Born in Chinese Taipei in 1936, Professor Yuan Tseh Lee received his B.S. degree from Taiwan University in 1959 and Doctorate from University of California, Berkeley in 1965. He joined Professor Dudley Herschbach at Harvard University as a postdoctoral fellow in 1967. He had faculty appointments at University of Chicago and University of California, Berkeley. He was University Professor and Principal Investigator at University of California, Berkeley and the Lawrence Berkeley Laboratory before he became President of Academia Sinica (1994-2006). From 2011 to 2014 he served as President of the International Council for Science (ICSU). He has received numerous awards and honors, including 1986 Nobel Prize in Chemistry, U.S. National Medal of Science, Faraday Medal, Jawaharlal Nehru Birth Centenary Medal, Othmer Gold Medal, Ettore Majorana-Erice-Science for Peace Prize, and Doctor Honoris Causa from 41 universities.

STS *forum* 2016 – the 13th Annual Meeting

Date: October 2-4, 2016

Venue: Kyoto International Conference Center, Kyoto, Japan

Participants: This year, amongst approximately 1,200 participants, some of the participants are (alphabetical order):

- Mr. Shinzo Abe, Prime Minister of Japan
- Dr. Peter Agre*, Director, John Hopkins Malaria Research Institute (JHMRI), US
- Dr. Ryoji Chubachi, President, National Institute of Advanced Industrial Science and Technology (AIST), JP
- Dr. Anatoly B. Chubays, Chairman and Chief Executive Officer, OJSC "RUSNANO", RU
- Mr. Arkady Dvorkovich, Deputy Prime Minister of the Government of the Russian Federation, RU
- Prof. Jerome Isaac Friedman*, Professor Emeritus of Physics, Massachusetts Institute of Technology (MIT), US
- Dr. Meric Gertler, President, University of Toronto, CA
- Dr. Makoto Gonokami, President, The University of Tokyo, JP
- Mr. Ping Guo, Deputy Chairman of the Board, Huawei Technologies Co., Ltd., CN
- Mr. Yasuchika Hasegawa, Director and Chairman of the Board, Takeda Pharmaceutical Company Limited, JP
- Dr. Kazuhito Hashimoto, President, National Institute for Materials Science (NIMS), JP
- Mr. Charles O. Holliday, Jr., Chairman, Royal Dutch Shell plc., US
- Dr. Rush D. Holt, Jr., CEO, American Association for the Advancement of Science (AAAS), US
- Dr. Pradeep K. Khosla, Chancellor, University of California, San Diego (UCSD), US
- Dr. Yoshimitsu Kobayashi, Chairman, Mitsubishi Chemical Holdings Corp. and Chairman of Keizai Doyukai (Japan Association of Corporate Executives), JP
- Prof. Yuan Tseh Lee*, President Emeritus, Academia Sinica, Chinese Taipei
- Dr. Hiroshi Matsumoto, President, RIKEN, JP
- Dr. Henry A. McKinnell, Chairman, Moody's Corporation, US
- Dr. Ryoji Noyori*, Director-General, Center for Research and Development Strategy, Japan Science and Technology Agency (JST), JP
- Dr. Jörg Reinhardt, Chairman, Novartis A.G., CH
- Sir Richard J. Roberts*, Chief Scientific Officer, New England Biolabs, UK
- Dr. Sadayuki Sakakibara, Chairman, Keidanren (Japan Business Federation); Chief Senior Advisor, Toray Industries, Inc., JP
- Dr. Ismail Serageldin, Director, Bibliotheca Alexandrina, EG
- Mr. Takeshi Uchiyamada, Chairman of the Board, Toyota Motor Corporation, JP
- Prof. Harriet Wallberg, University Chancellor, Swedish Higher Education Authority, SE
- Prof. Shinya Yamanaka*, Director and Professor, Center for iPS Cell Research and Application (CiRA), Kyoto University, JP

*Nobel Laureates

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