The 5th STS *forum* INDIA – JAPAN Workshop in DELHI

February 26, 2020

Venue: "Ballroom", Sheraton New Delhi, India

Co-Organized by

Science and Technology in Society *forum* (STS *forum*)

Ministry of Science and Technology of India

Japan External Trade Organization (JETRO)

Confederation of Indian Industry (CII)

Supported by

Embassy of Japan in India

Program

TIME	AGENDA
Tuesday, February 25, 2020	
20:00 - 21:30	**Welcome Reception** hosted by **Mr. Satoshi Suzuki**, Ambassador Extraordinary and Plenipotentiary, Embassy of Japan in India
Wednesday, February 26, 2020	
9:30 - 10:00	Registration & Welcome Coffee / Tea
10:00 - 10:10	Opening Address: - **Mr. Koji Omi**, Founder and Chairman, STS *forum*
10:10 - 10:30	Welcome Address: - **Mr. Satoshi Suzuki**, Ambassador Extraordinary and Plenipotentiary, Embassy of Japan in India - **Mr. Chandrajit Banerjee**, Director General, Confederation of Indian Industry (CII) - **Mr. Ichiro Sone**, Executive Vice President, Japan External Trade Organization (JETRO)
10:30 - 10:40	Keynote Address: - **Dr. Harsh Vardhan**, Minister of Health and Family Welfare; Minister of Science and Technology; Minister of Earth Sciences, Government of India

Program

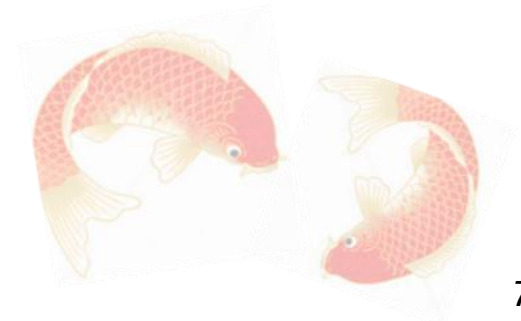| TIME	AGENDA
10:50 - 12:40	*Session 1 :* ***Strengthening the startup initiative by Japan-India collaboration in science, technology and innovation*** Japan and India enjoy a good relationship and cooperation between the Japanese and Indian governments is also expanding in the field of science and technology. As global society enters the age of IoT in which hardware and software integration presents a key area for growth, Japan and India have complementary strengths in the digital field and development of new partnerships from this viewpoint will be highly advantageous for both sides. In 2018, the governments of our countries agreed on the Japan-India Startup Initiative and have since been advancing collaboration among startups in the digital field. In line with this effort and to expand the scope of collaboration to inter-company collaboration, IT human resources, R&D in AI, next-generation networks, and electronics, Japan and India agreed on the Japan-India Partnership in the Digital Industry and exchanged an MOC (Memorandum of Cooperation) thereon. Taking this background into account, discussions are expected to cover a broad range of topics from personnel exchanges and human resource development to research cooperation, development investment, and business collaboration, so that Japan and India may strengthen startup initiatives by collaborating in science, technology, and innovation. Topics to be discussed: ✓ Human resource development through mutual exchanges ✓ Research cooperation in various fields, including the digital field ✓ Building a win-win relationship in startup investment ✓ Our two countries' strength and mutual complementarities ✓ Examples of success and keys to success ✓ Current initiatives and measures for success ✓ Ideals for successful cooperation between Japan and India

Program

TIME	AGENDA
10:50 - 11:50 Total 9 speakers including chair from both side. 6 minutes for each speaker.	*Session 1 :* ***Strengthening the startup initiative by Japan-India collaboration in science, technology and innovation*** ＜Session Chair＞ ■ **Prof. Ashutosh Sharma**, Secretary to the Government of India, Department of Science and Technology (DST), Ministry of Science and Technology ＜Speakers＞ *In alphabetical order of family name ■ **Dr. Koichi Awazu,** Councilor, Planning Headquarters, National Institute of Advanced Industrial Science and Technology (AIST) ■ **Mr. Kris Gopalakrishnan**, Chairman, Axilor Ventures ■ **Prof. B. Gurumoorthy**, Chief Executive, Society for Innovation & Development, Indian Institute of Science (IISc) ■ *Ms. Lauren Bic Ha, Associate Vice President, Technology Development & Innovation Center, Okinawa Institute of Science and Technology Graduate University (OIST)* ■ **Dr. Susumu Kajiwara**, Deputy Director-General, Science and Technology Policy Bureau, Ministry of Education, Culture, Sports, Science and Technology(MEXT) ■ **Mr. Hiroshi Oikawa**, President, New Energy and Industrial Technology Development Organization(NEDO) ■ **Prof. V. Ramgopal Rao**, Director, Indian Institute of Technology Delhi (IIT-D) ■ **Prof. Hiroyuki Takahashi**, Special Adviser to the President, Institute of Engineering Innovation, The University of Tokyo
11:50 - 12:15	**Discussion among panelists**
12:15 - 12:40	**Q&A with audience**

Program

TIME	AGENDA
14:00 - 14:15	Keynote Address: - **Prof. K. VijayRaghavan**, Principal Scientific Adviser to the Government of India, Scientific Advisory Committee to the Cabinet
14:15 - 16:05	*Session 2:* ***Improvement of the quality of life by utilizing big data and AI*** Advances in technologies like IoT and big data have been accelerating as the digital communication environment continues to evolve. The "Digital India" campaign was launched by the Indian government in 2014 to provide a digital infrastructure to all citizens and bring digital public services to all villages. Although the social requirements differ, India having a young population while Japan's society is aging rapidly, big data and AI can contribute to improving quality of life in both our countries. This session will discuss the strengths of each country and how they can cooperate to create a healthy, low-carbon society in areas like health and medical care, transportation, and energy. **Topics to be discussed:** ✓ Using AI and big data in the healthcare and medical fields ✓ Using AI and big data to achieve a low-carbon society ✓ Using AI and big data in transportation infrastructure or communications to improve people's lives ✓ Our two countries' strengths and mutual complementarities ✓ Examples of success and transformation in our two countries ✓ Issues and countermeasures in our two countries

Program

TIME	AGENDA
14:15 - 15:15 Total 9 speakers including moderator from both side. 6 minutes for each speaker.	*Session 2:* **Improvement of the quality of life by utilizing big data and AI** <Session Moderator> ■ **Mr. Dhaval Gupta**, Executive Director, Cyber Media (India) Limited <Speakers> *In alphabetical order of family name ■ **Mr. Dipankar Ghosh**, CEO, Railway Equipment Division, Escorts Limited ■ **Dr. Yoshimasa Goto**, Vice President, Japan Science & Technology Agency (JST) ■ **Dr. Hisashi Ikeda**, General Manager, Global Center for Social Innovation-APAC, R&D Group, Hitachi, Ltd. ■ **Dr. Akihiko Iketani**, Head, NEC Laboratories India ■ **Mr. Vikas Jain**, Vice President and Business Head, Life Sciences, Tata Consultancy Services Limited ■ *Dr. Suchita Ninawe, Scientist 'G' / Adviser, Department of Biotechnology,* *Ministry of Science and Technology, Government of India* ■ **Mr. Partha Pratim Sengupta**, Deputy Managing Director & Chief Credit Officer, State Bank of India ■ **Mr. Shoji Watanabe**, Deputy Director-General, Industrial Science and Technology and Environment Bureau, Ministry of Economy,Trade and Industry (METI)
15:15 - 15:40	**Discussion among panelists**
15:40 - 16:05	**Q&A with audience**

Program

TIME	AGENDA
16:05 - 16:40	**Networking Time**
16:40 - 17:00	Closing Remarks: - **Dr. Ashwani Kumar**, Senior Advocate Supreme Court; former Cabinet Minister of Law and Justice, and former Minister of State in the Ministry of Planning, Ministry of Science and Technology, Ministry of Earth Sciences - **Mr. Koji Omi**, Founder and Chairman, STS *forum*

Chair/Moderator and Speakers' Guideline

1. All sessions are conducted in English, without interpretation.

2. No visual materials such as PowerPoint or slides are allowed.

3. Sessions will be conducted in an interactive way as follows:
   a. One panel has about 9 speakers on the stage.

   b. The chair/Moderator first opens the session by briefly introducing the speakers and giving his/her own keynote remarks on the theme of the session (6 minutes).

   c. The chair/Moderator will then invite the speakers to give their keynote address without any slides or visual materials (6 minutes each).

   d. After the address by the final speaker is completed, the chair/Moderator will guide the discussion among speakers.

   Approximately 25 minutes will be given for discussion among speakers.

   e. As the remaining 25 minutes, the chair/Moderator declares to move to Q&A with participants at the venue.

   The questions from participants must be brief, no longer than 1 minute each.

   The chair/Moderator will ensure that each question does not exceed this time limit and introduce themselves before speaking

   (by announcing their full name and affiliation) .

   f. After the final Q&A has been completed, the chair/Moderator will wrap up the discussions (2 minutes).

4. In order to advance the session effectively, each speaker submits a summary of remarks in advance (less than 150 words).
   The chair/moderator shall read this summary beforehand and decide the order of the speech and the direction of the discussion between speakers.