



AVRIST is pleased to announce the Conference

"Japan, a country open to innovation"

October 19th, 2016, from 9h15 to 18h45

Venue : Ecole Normale Supérieure, Salle Jean Jaurès
29 rue d'Ulm, Paris

This Conference is organized in partnership with the Centre Jean Pépin, with the participation and support of the Japanese Embassy in France and Japan Science and Technology Agency.

It is accredited as an event of the France Japan Innovation Year.

Rationale: With globalization and technological innovation, particularly in information technology and communication, we are all confronted with a drastically changing environment. Innovation plays an essential part in coping with this context. Japan is creative in exploring new avenues to meet challenges such as the management of energy resources, the decreasing birthrate, an ageing population, the adjustment of the economic growth model. The country maintains a very significant research base and remains a powerful and innovative economy. Japan thus offers all the ingredients to become – or rather, become again – an inspiration for manufacturers, operators of international relations in the fields of S&T, universities and Grandes Ecoles, research institutions, R&D clusters, or European investors. There are many successful cooperation agreements in place between Japan and France, and between Japan and Europe, and there are many good reasons for developing new ones.

This seminar will first address the challenges that Japan is facing and the strategies that are deployed to meet those challenges. Three successive roundtables will then deal with some of the areas of excellence in Japan. A discussion with the audience will explore new cooperation leads between Japan and France, and more generally between Japan and Europe.

French-Japanese Translation will be provided.

Programme and time table

9:00 Opening speeches by Catherine Bréchignac, Ambassadeur délégué à la Science, la Technologie et l'Innovation and by representatives of Ecole normale supérieure, AVRIST and Japanese Embassy in France.

9:15 Session 1- **The challenges of Japan:** industrial leadership and competition – the critical question of the relations with China in economy and geopolitics - professional status of women - which innovations are needed in an aging society where demography is decreasing. These challenges are also incentives for change in the social and industrial organization and in research that could benefit other countries. *Pr. Robert Boyer*, Institut des Amériques, CNRS; Mr. Shiro Takegami, Director, SIP (The Cross-ministerial Strategic Innovation Promotion Program), Cabinet Office and Prof. Teruo Kishi, Science and Technology Advisor to the Minister for Foreign Affairs of Japan, PD/SIP

10:15 Session 2A - **Government strategies:** incentives for stimulating innovation in Japan. Open-door policy. Japan's Science diplomacy: main thematic areas and selected geographical areas.

Jacques Maleval, Counsellor for Science and Technology, Embassy of France in Japan;

Overall presentation on the SIP, Mr. Shiro Takegami, Director, SIP, Cabinet Office and SIP Project "Structural Materials for Innovation (SM⁴I)", Mr. Masahiro Takemura, SIP Director, Structural Materials for Innovation, SIP, Department of Innovation Platform, Japan Science and Technology Agency (JST);

The strategy of CNRS in Japan, *Dr. Arnaud Lalo*, CNRS

11:15 Coffee-break

11:30 Session 2B – **Sectorial achievements**, areas of excellence, practical actions and outputs

Dr Stéphane Sarrade will present the Fellowship "Jiyuu Hugo Sarrade" for French students going to Japan, created to commemorate his son Hugo killed in the Bataclan during the Paris attacks in November 2015.

11:40 Round Table 1 - Energy, environment, energy transition (renewable energies);

moderator: *Ms. Yukiko Fukasaku, Consultant at Innovmond, Paris.*

Pr. Yveline Lecler, Emeritus Pr., Sciences-Po Lyon, Mr. Christophe Debouit, NEDO, New Energy and Industrial Technology Development Organization, Dr. Natacha Aveline, Director of Research, CNRS.

12:45 **Lunch Break**

2:00 pm: Session 2B - **Sectorial achievements** (continued)

Invited speaker *Dr. Marc Giget* President, European Institute of Creative Strategies and Innovation.

2:45 p.m. Round Table 2 - Health, neuroscience, aging population factor. Human Frontier program ; moderator *Dr. Roberte Manigat, Médecin de Santé Publique*

Dr. Denis Le Bihan, CEA ; Dr. Hovagim Bakardjian, Institut du Cerveau et de la Moëlle épinière, Paris ; Pr. Rachel Sherrard, Pierre et Marie Curie University; Dr. Katsuhiko MIKOSHIBA, Laboratory of Developmental Neurobiology Institute of Brain Science, RIKEN

4:00 pm Round Table 3 - Industrial Organization - Digital (robotics, computers, electronics, materials, factories of the future); moderator *Ms. Elisabeth Frémaux, Engineer in robotics and executive coach*

- Factories of the future: *Mr. Hadrien Szigeti, Strategic development at Dassault Systemes*

- Materials: *Pr. Etienne Gheeraert, Institut Néel Grenoble*

- Space: *Guilhem Penent, Space Policy Analyst, Ministère des Affaires étrangères et du Développement international*

- Robotics, Information and Communication Technology, connected objects: *Dr. Edouard Geoffrois* Program manager, National Research Agency.

5:15 pm Lecture (Thematic Presentations of SIP by the government of Japan)

- Automated Driving System, *Mr. Shiro Takegami, Director, SIP, Cabinet Office*

- Enhancement of Societal Resiliency against Natural Disasters, *Dr. Kenichiro Tsuda, Senior Researcher, SIP, Cabinet Office*

- Creating the Safest, Most Secure Social Infrastructure in the world, *Dr. Takayuki Ishizuka, Fellow, SIP, Japan Science and Technology Agency (JST)*

5:45 pm. Final panel : led by *Mr. Pierrick Fillon, Senior policy officer, European Commission* and *Dr. Jean-François Sabouret, Emeritus director of research, CNRS* with *Pr. Teruo Kishi, Science and Technology Advisor to the Minister for Foreign Affairs, and Dr. Pierre Caye, Director, Centre Jean Pépin, Director of research, CNRS*: What relationships could be developed for mutual benefit ? What are the common interests of Japan and Europe to cooperate? Challenges and opportunities linked to slow economic growth in Japan, in France and in Europe? Emerging new opportunities for industrial innovation: what are they and what are the associated effects on the economy and social fabric?

Mandatory registration on the web page: <https://www.weezevent.com/le-japon-pays-d-innovation>

This document and the web link may be circulated. For any question please send a message to contact@avrist.fr

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