

EU-Japan Workshop on R&D Co-operation in the field of Networked Technologies & Systems

Date: 18 April

Tentative Agenda

Venue: Marivaux Hotel Congress & Seminar Centre - Boulevard Adolphe Maxlaan 98 - 1000 Bruxelles/Brussel - www.hotelmarivaux.com

Context and Objectives: The first phase EU-Japan collaborative projects with co-funding scheme between EC and MIC/NICT has been initiated. The objectives of this workshop is to identify future collaborative research items of mutual interests and to identify a limited set of common objectives to set up a partnership under their respective R&D strategies for EU and Japan .

8:15 – 9:00 Registration

9:00 –9:30 Opening Remarks –EC (TBD); JP (TBD):

- JAPAN: Mr. Manabu Miyagawa, Minister for the Economic Section at the Japanese Mission to the EU, (TBC): Expectations of joint research in upcoming policy context.
- EC: Dr. Zoran Stančić, Deputy Director General, European Commission, CONNECT Directorate-General: H2020, International co-operation aspects.

Stream A: Technology supporting new Business and Societal infrastructure

9:30 – 13:00 (including 30 mn coffee break)

Japan Moderator Masayoshi Ohashi, ATR

EU Moderator: Maria Tsakali, EC

Focus/Rationale: The session concentrates on technologies to enable efficient gathering, processing (clouds, including in heterogeneous set ups) and transmission of information for supporting new Business and Societal infrastructure by ICT as typified by applications based on Big Data. For example, technological focus is on information gathering (e.g. IoT), processing and transmitting technologies which synchronize with cloud environment within high efficiency and low energy consumption requirements

EU speakers:

- Alfred Geiger (T-systems)
- Dora Varvarigou (NTUA)
- Josep Martrat (ATOS)
- Alessandro Bassi (IoT-A Technical Coordinator)
- Tatu Koljonen (VTT)

Stream B: Technology for high density local networks

9:30 – 13:00 (including 30 mn coffee break)

Japan Moderator: Tetsuya Kawanishi, NICT

EU Moderator: Pertti Jauhiainen, EC

Focus/Rationale: The session concentrates on technologies and system approaches to realise high speed/high capacity dense local networks, as may be encountered in trains, airplanes, or very high density locations like train stations. Technological focus is on radio and micro/millimetre wave links.

EU speakers:

- Emilio Calvanese Strinati, (CEA-LETI)
- Erik Fledderus,(TNO);
- Nathan Gomes, (University of Kent)

JP speakers:

- Tetsuya Kawanishi (NICT)
- Naruto Yonemoto (ENRI),” High-speed access networks for airplanes”(TBD)

<p>JP speakers</p> <ul style="list-style-type: none"> - Shoichi Masui (Fujitsu) - Tsukasa Ogasawara (NAIST) - Takahiro Miyashita (ATR) - Mitsuru Hirakawa (SUMITOMO ELECTRIC INDUSTRIES, LTD) <p>JP Responsible: Jun INOUE / Yasuo SHINOZAWA</p> <p>EC Responsible: Maria TSAKALI/ Peter FRIESS</p>	<ul style="list-style-type: none"> - Nobuhiko Shibagaki (Hitachi), “Millimeter-wave LAN”(TBD) - Toshiaki Kuri (NICT), “Architecture and hardware for future access systems”(TBD) <p>JP Responsible: Tetsuya KAWANISHI</p> <p>EC Responsible: Pertti JAUHAINEN</p>
<p>13:00 – 14:00 Lunch, Networking</p>	
<p>Stream C: Development and Experimentation on federated EU and Japan Testbed</p> <p>14:00 – 17:30 (including 30 mn coffee break)</p> <p>Japan Moderator: Nozumu Nishinaga</p> <p>EU Moderator: Jacques Babot, EV</p> <p>Focus/Rationale: The session concentrates on technologies and system approaches to support global experiments and demonstrations collaboration with EU and Japan and hence addresses interoperability. Expected benefits include i) fostering common approaches towards experiments; ii) fostering interoperable technologies for realizing smart ICT services; iii) moving towards SDN worldwide test beds</p> <p>EU speakers :</p> <ul style="list-style-type: none"> - Serge Fdida (UPMC, Université Pierre et Marie Curie), OPEN LAB project. - Hagen Woesner (EICT), OFELIA Project - Sotiris Nikoletseas (CTI), HOBNET Project - Luis Muñoz (University of Cantabria) Smart Santander project - Sebastien Ziegler (Mandat International), IoT6, Ear-IT project <p>JP speakers (5) :</p> <ul style="list-style-type: none"> - Eiji Kawai (NICT), “Status update of JGN-X activities” (TBD) - Yuuichi Teranishi (NICT), “Smart ICT test bed for future smart society” (TBD) 	<p>Stream D: Technology for realizing high-speed and large-capacity broadband Network</p> <p>14:00 – 17:30 (including 30 mn coffee break)</p> <p>Japan Moderator: Masahito Tomizawa, NTT Network Innovation Laboratories</p> <p>EU Moderator: Thierry Boulangé, EC</p> <p>Focus/Rationale: The session concentrates on optical networks as key enablers of high-speed and large capacity networks, and management of networks. It includes technologies of optical transmitter and receiver to enable low power consumption and high-efficiency, technologies of control and management for optical networks, and associated technologies, aiming at addressing the need to have more dynamic and flexible networks. .</p> <p>EU speakers:</p> <ul style="list-style-type: none"> - Dimitra Simeonidou, university of Bristol (CaON chair) - Michael Roth, ADVA, (ONE) - Juan Fernandez-Palacios Telefonica I+D - Josep Prat, Universitat Politècnica de Catalunya <p>JP speakers</p> <ul style="list-style-type: none"> - Jens Rasmussen (Fujitsu) - Shigeru Nakagawa (IBM Research) - Takeshi Konishi (Osaka University)

- Doowan Lee (University of Tokyo) , “Our research focus on sensor network and its implementation for M2M/IoT”
- Tokuo Yamaguchi (OKI Electric Industry Co.)
- Yoshiyuki Ohkubo/Mr. Kohtaro Matumuro (Panasonic Mobile Communications Co.)

JP Responsible: Nozomu NISINAGA, nisinaga@nict.go.jp

EC Responsible: Jacques BABOT

JP Responsible: Jun Inoue / Yasuo SHINOZAWA

EC Responsible: Thierry BOULANGE

17:30 - 18:00 Networking

18:00 – 18:30 Conclusions and Wrap up

Reporting by session co-chairs about joint priority interests and focus.