



## Transport and Mobility – Challenges for the Future

### Purpose

On the occasion of the initiative "150 Jahre Freundschaft Japan-Deutschland" commemorating 150 years of diplomatic relations between Japan and Germany, the Japan Society for the Promotion of Science (JSPS) and the German JSPS Alumni Association will hold a symposium on "Transport and Mobility – Challenges for the Future" in September 13-15 in Tokyo, Japan.

In 1861, Japan and Prussia have signed in Edo (Tokyo) a Treaty of Friendship and Commerce. The summit "150 Years Friendship Japan-Germany" has agreed to further develop these bilateral relations and to conduct commemorative events. This symposium is the beginning of these commemorative events in Japan. It will introduce to research in both countries, enhance the mutual understanding and aims to promote academic exchanges and joint research in Japan and Germany.

### Date and venue

Date: September 13-15, 2010

Venue: National Olympics Memorial Youth Center, International Building, 3-1, Yoyogi Kamizono-cho, Shibuya-ku, Tokyo 151-0052

Visit of National Institute of Informatics (NII)

Date: September 14, 2010 (16:00-19:30)

Venue: National Institute of Informatics, 2-1-2 Hitotsubashi, Chiyoda-ku, Tokyo 101-8430

# Program

## Monday 13 September

10:00 **!! Only for Members of the German JSPS-Club !!**

Excursion to Miraikan Tokyo (National Museum of Emerging Science and Innovation)

12:00 Individual lunch

13:30 Registration

14:00 Opening remarks

- **Prof. Motoyuki Ono**, President, Japan Society for the Promotion of Science (JSPS)
- **Prof. Dr. Heinrich Menkhaus**, Chairman, German JSPS-Club
- **Peter Rondorf**, Minister German Embassy, Tokyo
- **Takahumi Goda**, Japan Ministry of Education, Culture, Sports, Science and Technology (MEXT), Director-General of Science and Technology Policy Bureau

Topic: **Transportation**

General Chair: **Prof. Dr. Heinrich Menkhaus**, Meiji University

14:20 **Session 1: Overview of Transportation in Germany and Japan**

Chairs: **Dr. Kay Nottmeyer**, Robert Bosch GmbH and **Dr. Masao Sakauchi**, Deputy Director General, National Institute for Informatics (NII)

**Dr. Stefan Klug**, Fraunhofer Institute for Systems and Innovation Research (ISI)

*Land Use Pattern and Transportation in a Post Carbon Society*

**Prof. Dr. Wilfried Wunderlich**, Tokai University

*Energy Efficient Urban Rail Transport to Hot-spot Tokyo*

**Hajime Amano**, President and CEO, ITS Japan

*Intelligent Transport Systems for Sustainable Mobility*

15:20 Discussion

15:40 Coffee Break

16:00 **Session 2: Transportation Technology in Germany and Japan**

Chairs: **Dr. Andreas Schaper**, University of Marburg and **Dr. Masao Sakauchi**, Deputy Director General, National Institute for Informatics (NII)

**Dr. Weert Canzler**, Social Science Research Center Berlin (WZB)

*E-mobility: new chances for sustainable urban transport*

**Prof. Dr. Katsushi Ikeuchi**, University of Tokyo, ITS Japan

*Four Dimensional Virtual City and ITS*

16:40 Discussion

17:00 Introduction to JSPS

**Takayuki Kato**, Head, Research Cooperation Division II, JSPS

17:20 Introduction to German JSPS-Club

**Prof. Dr. Heinrich Menkhaus**, Chairman, German JSPS-Club

17:40 Reception

## Tuesday 14 September

10:00 Registration

Topic: **Knowledge Sharing for Solving Worldwide Social Problems**

General Chair: **Prof. Dr. Noboru Sonehara**, National Institute for Informatics (NII)

10:20 **Session 3: Overview of Knowledge Sharing in Germany and Japan**

Chair: **Prof. Dr. Andreas Schlachetzki**, Technical University Braunschweig and **Assoc. Prof. Dr. Isao Echizen**, National Institute for Informatics (NII)

**Prof. Dr. Günter Müller**, University of Freiburg

*Changing Security Concepts for Increasing Mobility*

**Dr. Fumihiko Tomita**, Telecommunication Technology Committee (TTC)

*New Energy Vehicles & ICT: An Entrance to the Future Smart Communication World*

11:00 Discussion

11:20 **Session 4: Knowledge Sharing Technology in Germany and Japan**

Chair: **Dr. Sven Wohlgemuth**, National Institute for Informatics (NII) and **Assoc. Prof. Dr. Isao Echizen**, National Institute for Informatics (NII)

**Rodney Strata**, Head of Business Strategy, SAP Research Center CEC Brisbane

*The Internet of Transport & Logistics*

**Toshihiro Manabe**, NTT Access Network Research Lab

*Trends on In-Train Internet Access Services and Technologies*

12:00 Discussion

12:20 Closing Remarks

**Dr. Masao Sakauchi**, Deputy Director General, National Institute for Informatics (NII)

12:30 Individual lunch

15:00 Individual Transfer to National Institute of Informatics

16:00 Introduction to NII, **Prof. Dr. Noboru Sonehara**

17:30 NII – Joint Research Meeting

Greetings: **Dr. Masao Sakauchi**, Deputy Director General, National Institute for Informatics (NII)

19:30 Reception

## Wednesday 15 September

**!! Only for Members of the German JSPS-Club !!**

10:00 Excursion to Railway Museum (*Tetsudō Hakubutsukan*)

Afternoon: Excursion to Edo-Tokyo Open Air Architectural Museum(*Edo Tōkyō Tatemono En*)

18:30 Dinner in Shinjuku (only by personal invitation)

**DAAD**

Deutscher Akademischer Austausch Dienst  
German Academic Exchange Service

**NII** 大学共同利用機関法人 情報・システム研究機構  
国立情報学研究所  
National Institute of Informatics



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