

Agenda for TransAID + ITS Japan / Utmobl seminar + Expert meeting

Date: Tuesday 7th + Wednesday 8th of April 2020

Time: 9:00-11:00 CET / 16:00-18:00 JST

Contacts:

- TransAID: Jaap Vreeswijk, jaap.vreeswijk@maptm.nl
- ITS Japan / Utmobl: Takahiko Uchimura, t-uchimura@its-jp.org
- European Union: Tom Kuczynski, Tom.Kuczynski@eeas.europa.eu

TransAID

The TransAID project is a European Commission funded H2020 project, which develops and demonstrates traffic management procedures and protocols to enable smooth coexistence of automated, connected, and conventional vehicles, especially at Transition Areas. A hierarchical approach is followed where control actions are implemented at different layers including centralised traffic management, digital infrastructure and connected automated vehicles. With V2X and traffic management the TransAID project aims to guide and assist automated vehicles at the boundaries of their Operation Design Domain (ODD).

International collaboration

The European Commission encourages projects to exchange results and ideas with projects in the Americas and Asia-Pacific. This expert meeting aims to exchange with the *Collaborative Activities to deploy level 4 mobility services* in ITS Japan and Utmobl. An initial proposal of the main topics of discussion is the following, for each topic the TransAID project has a summary note with project results, unresolved questions and discussion topics available.

- I2V- based traffic management measures for cooperative automated vehicles.
- Vehicle automation solutions (prototypic implementations and simulation modelling).
- V2X communications and protocol solutions for cooperative automated driving.
- Operational Design Domain (ODD) of automated vehicles and infrastructure support.
- Priority areas for future research and innovation activities.

The Delegation of the European Union to Japan kindly offered to host the meeting in the Europe House in the Minato-ku area in Tokyo. Their interest is to facilitate and promote EU-Japan liaison activities on priority topics, which recently includes Connected and Automated Vehicle Technologies. **Due to COVID-19 the meeting a physical two-day meeting has been cancelled and replaced by two online meetings.**

Theme: Operational Support for L4 Automated Vehicles and Mobility Services

Agenda proposal 7th of April

- 9:00/16:00 Welcome, introductions, meeting objectives
Jaap Vreeswijk, MAP traffic management, The Netherlands
Takahiko Uchimura, ITS Japan / University of Tokyo, Japan
- 9:15/16:15 Project introductions and overview of regional activities
Presenter (10 min): **Julian Schindler**, German Aerospace Centre (DLR), Germany
Presenter (10 min): **Manabu Umeda**, University of Tokyo / SIP-adus, Japan.
Discussion (10 min)
- 9:45/16:45 Operational Design Domain (ODD) management for automated driving
Presenter (10 min): **Jaap Vreeswijk**, MAP traffic management, the Netherlands
Presenter (10 min): **Takahiko Uchimura**, ITS Japan / University of Tokyo, Japan
Discussion (15 min)
- 10:20/17:20 I2V-based traffic management measures for cooperative automated vehicles
Presenter (10 min): **Sven Maerivoet**, Transport & Mobility Leuven, Belgium
Presenter (10 min): **Takahiko Uchimura**, ITS Japan / University of Tokyo, Japan
Discussion (15 min)
- 10:55/17:55 Wrap-up
- 11:00/18:00 End

Agenda proposal 7th of April

- 9:00/16:00 Welcome, introductions, meeting objectives
Jaap Vreeswijk, MAP traffic management, the Netherlands
Takahiko Uchimura, ITS Japan / University of Tokyo, Japan
- 9:05/16:05 V2X communications and protocol solutions for cooperative automated driving
Presenter (10 min): **Miguel Sepulcre**, Universidad Miguel Hernandez de Elche, Spain
Presenter (10 min): **Takahiko Uchimura**, ITS Japan / University of Tokyo, Japan
Discussion (20 min)
- 9:45/16:45 Vehicle automation modelling and simulation + Demonstration simulation tool
Presenter (20 min): **Evangelos Mintsis**, Centre for Research and Technology, Greece
Discussion (25 min)
- 10:30/17:30 Discussion: Priority areas for future research and innovation activities
Prepared and moderated by: **Jaap Vreeswijk & Takahiko Uchimura**
- 10:55/16:55 Wrap-up
- 11:00/18:00 End



Expert meeting participants

Europe:

- *Jaap Vreeswijk, MAP traffic management, The Netherlands*
- *Julian Schindler, German Aerospace Centre, Germany*
- *Sven Maerivoet, Technology Mobility Leuven, Belgium*
- *Miguel Sepulcre, Universidad Miguel Hernandez de Elche, Spain*
- *Evangelos Mintsis, Centre for Research and Technology Hellas, Greece*
- *Meng Lu, Dynniq, Netherlands*
- *Michele Rondinone, Hyundai Motor Europe Technical Center, Germany*

Japan:

- *Takahiko Uchimura, ITS Japan / University of Tokyo, Japan*
- *Takashi Oguchi, University of Tokyo, Japan (7th Apr. only)*
- *Hideyuki Kanoshima, University of Tokyo, Japan*
- *Kazuaki Minami, ITS Japan, Japan*
- *Yurie Toyama, Mitsubishi Research Institute, Inc., Japan (8th Apr. only)*
- *Manabu Umeda, University of Tokyo / SIP-adus, Japan*