ITS Center
THE UNIVERSITY OF TOKYO

SUZUKI LAB.

[Implementation and Deployment of Cooperative ITS towards the Advanced Road Traffic]

Department of Human and Social Systems / Advanced Mobility Research Center (ITS Center)
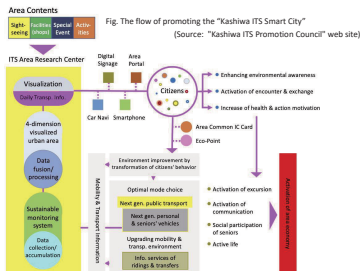
Road transport policy

Intelligent Transport Systems (ITS)

Department of Civil Engineering, Graduate School of Engineering, Interfaculty Initiative in Information Studies

Recognized the change of social issues such as mobility for elderly people, energy preservation, resilience against hazards and national financial deterioration, and the change of technical circumstance such as progress of ICT, big/open data, advanced/variety of mobility and improvement of vehicles safety, research on road transport policy for implementation and deployment of the Cooperative Intelligent Transport Systems (C-ITS) towards advanced road traffic has been conducted.

Research on policies for traffic problem solutions through local ITS deployment

・Activities as a part of "Kashiwa ITS Promotion Council" consist of local community, citizens and others, which is headed "Kashiwa ITS Smart-city"
・Conducting verification of traffic information collection using camera images and development of public transportation dataset

Fig. The flow of promoting the "Kashiwa ITS Smart City"
(Source: "Kashiwa ITS Promotion Council" web site)

Road transport policy towards C-ITS realization

・Research on evolution of services and cross-cutting challenges for implementations of the Cooperative ITS, on which various information of people, goods, mobiles, infrastructure and others are collected, shared and utilized
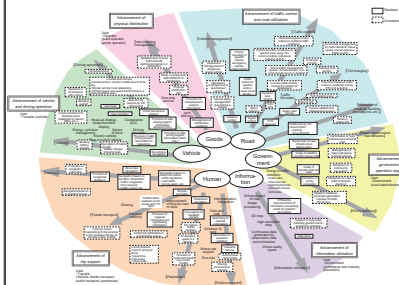

Fig. System diagram of C-ITS Services

Mobility Vision for the Post-Pandemic Era

・Based on the dramatic changes in the society due to the COVID-19, some approaches for the future of mobility in general from an overall bird's-eye perspective are proposed as a part of the UTmobI research activity.

➢ Measures for demand leveling and utilization of the resulting margin
➢ Further involvement of public entities in public transportation projects
➢ Integrated mobility services based on technical development, introduction, and spread of new mobility services and MaaS
➢ Designing systems and developing technologies for more efficient logistics and higher productivity
➢ Handling of the remaining demand for transportation

(http://www.its.iis.u-tokyo.ac.jp/utmobi/ja/post-corona/post-corona_slide_v1.0.pdf)

Collaboration & Return to Society

・Organizing a series of seminars in local areas aiming to promote ITS based on local needs
・Hosting the Research Committee on Parking-ITS (RC66) which invites lecturers from industry, academia, or government
・Supporting human resource development of engineers in developing countries through the "JICA Training Course on ITS technologies"