

Urban Surface Street Management for Smart Mobility

[Towards a society free from mobility divides]

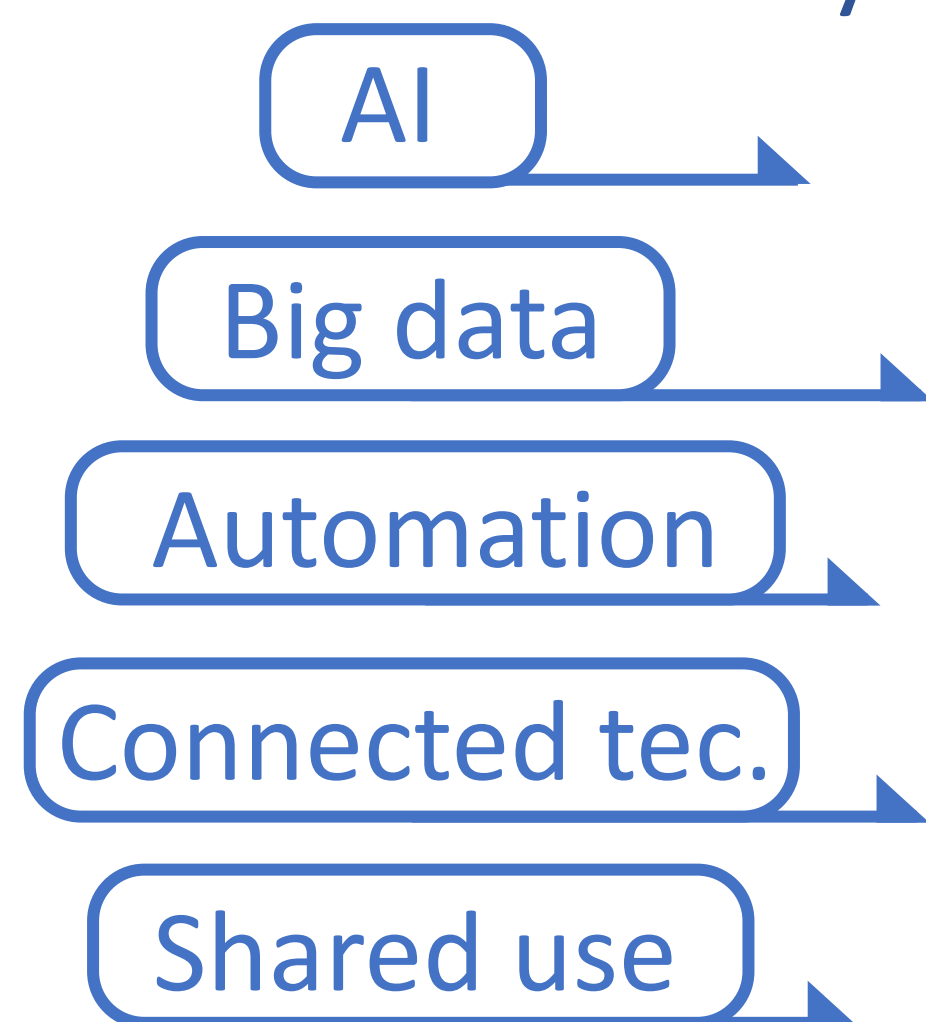
Urban Surface Street Management for Smart Mobility, Social Cooperation Program

Urban Surface Street Management

<https://www.usm.iis.u-tokyo.ac.jp>

We conduct a systematic study with practical implementation of new basic theories and technologies for the planning and management of urban surface streets, tailored to the smartening of mobility and aimed at enhancing the future value of urban areas.

Smartening of
mobility



URBAN
SURFACE STREET
MANAGEMENT

Right to transport

SDGs

Diversity & Inclusion

Human-centric policy

Future value
of urban area



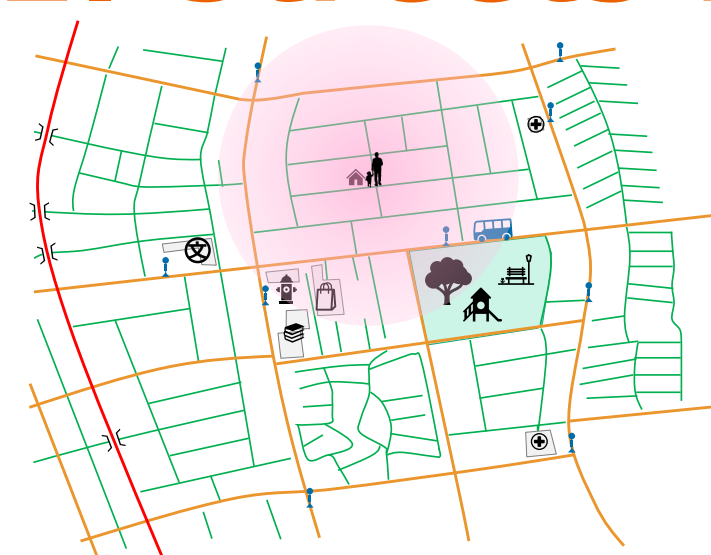
Free Independent Safe Comfort Environmentally sustainable

A society free from mobility divide^{*} where everyone and everything can travel

^{*} Disparity in travel ability caused by the factors such as car possession, driving ability.



1. Streets Re-definition and Assessment



We **redefine street functions** and **develop a framework for their subjective and quantitative assessment**, aiming to realize walkable streets and cozy, convenient public transit. Based on observation, analysis, and experiments, we propose **updated street designs and traffic operation methods**.

2. Optimization of Street Network

We develop a **methodology to mathematically optimize street networks**, ensuring safe and comfortable travel for all people, including pedestrians, public transit riders, private car users.



3. Practical Implementation and Feedback

We implement our proposed framework and methods in practice, gathering feedback to establish a sustainable cycle.

MEMBERS

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