

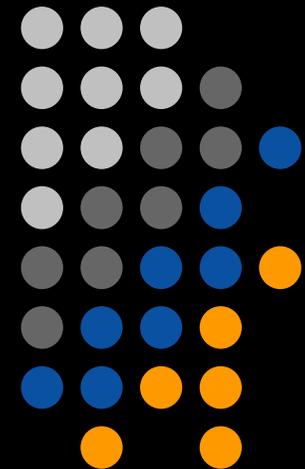
November 13, 2018

Toward establishment of ecosystem of mobility innovation by automated driving —Challenge for collaboration

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Sustainable Transportation

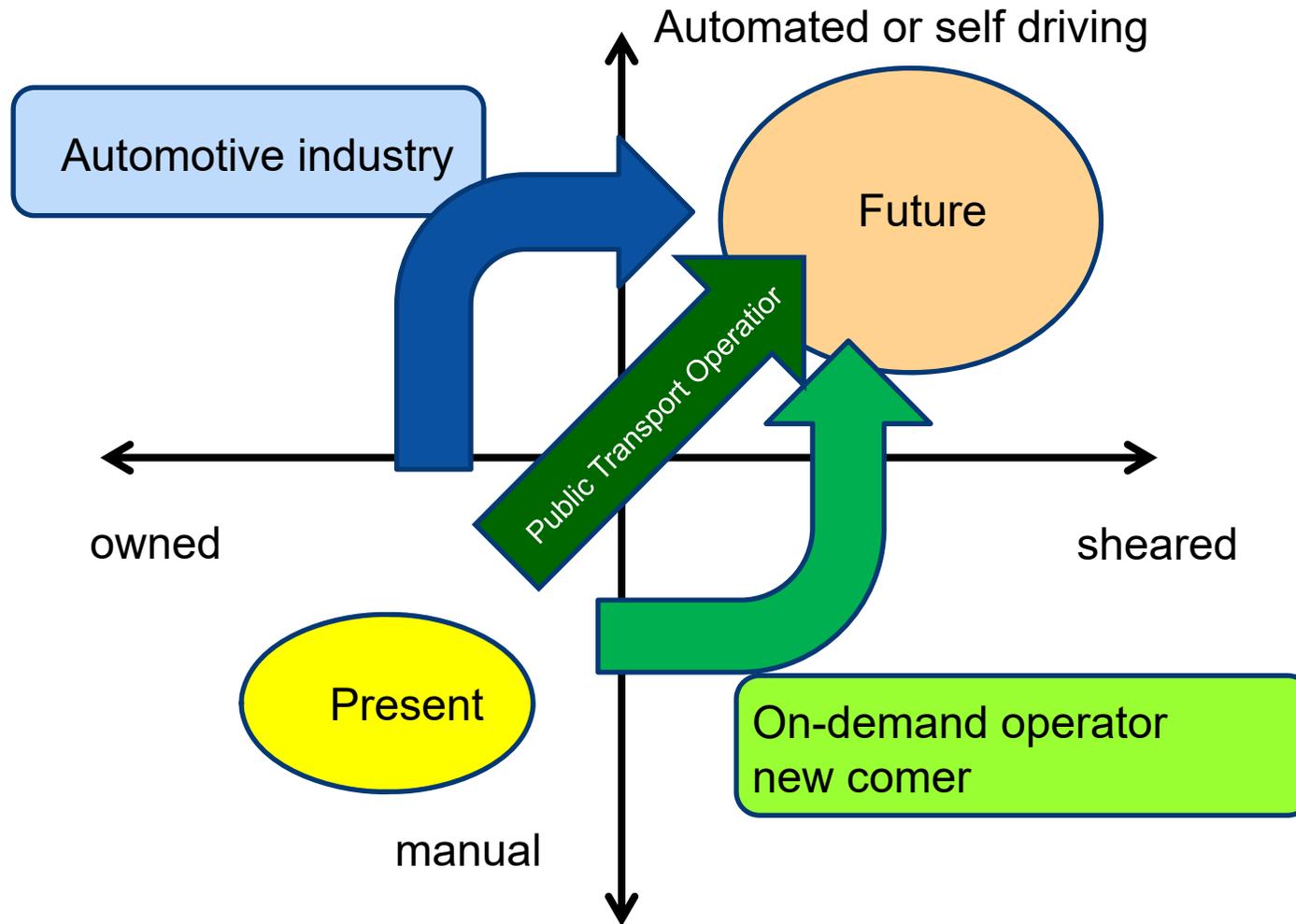
- Low Emission & Energy Saving
- Safety & Security
- Comfort & Healthy
- Anti- disaster & Emergency
- Social Changes for Aging Society

Connected and Automated driving
for 2020 Tokyo Olympic & Paralympic

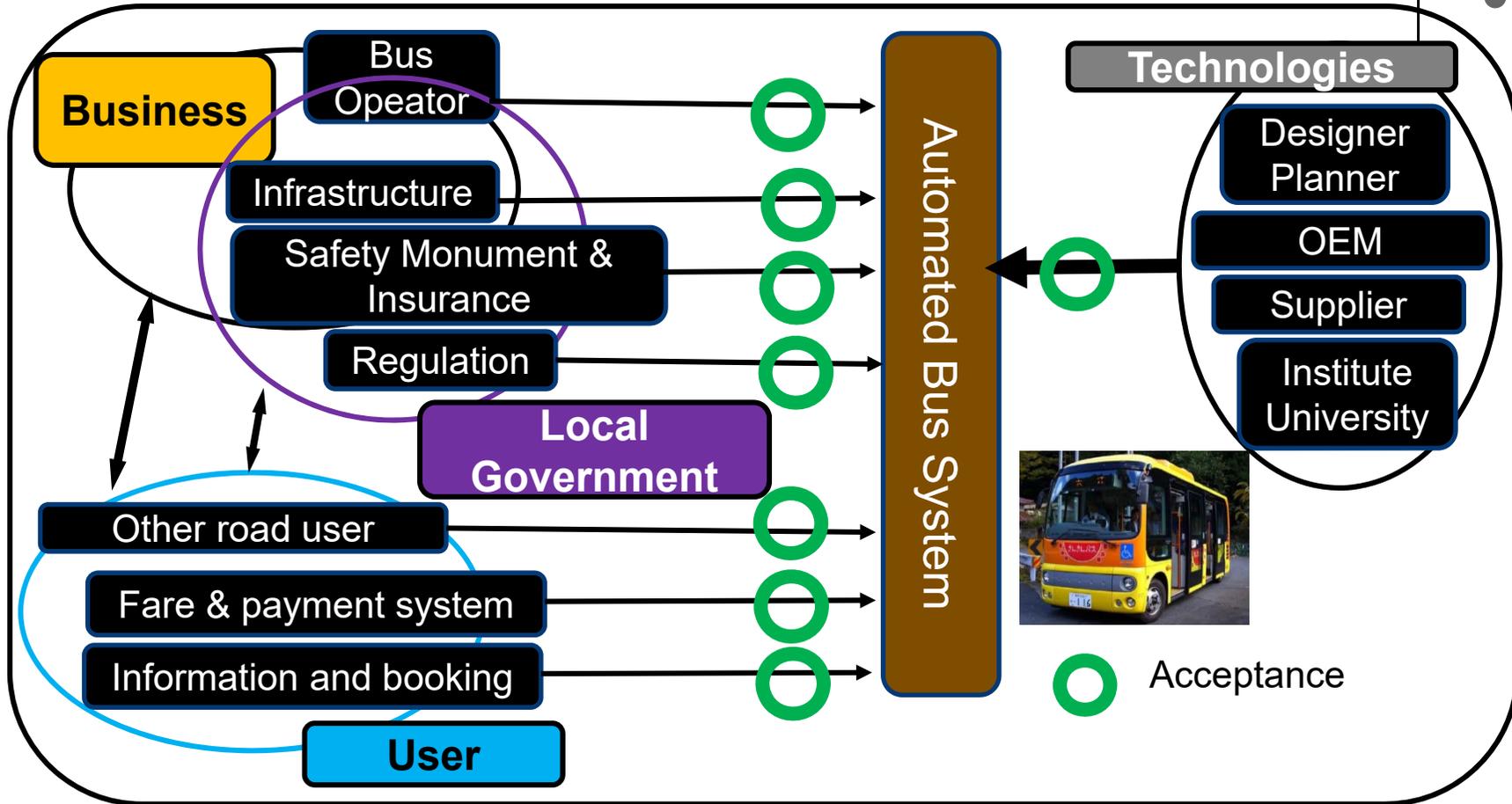
“C A S E” & “MaaS”



Mobility as a Service and social change



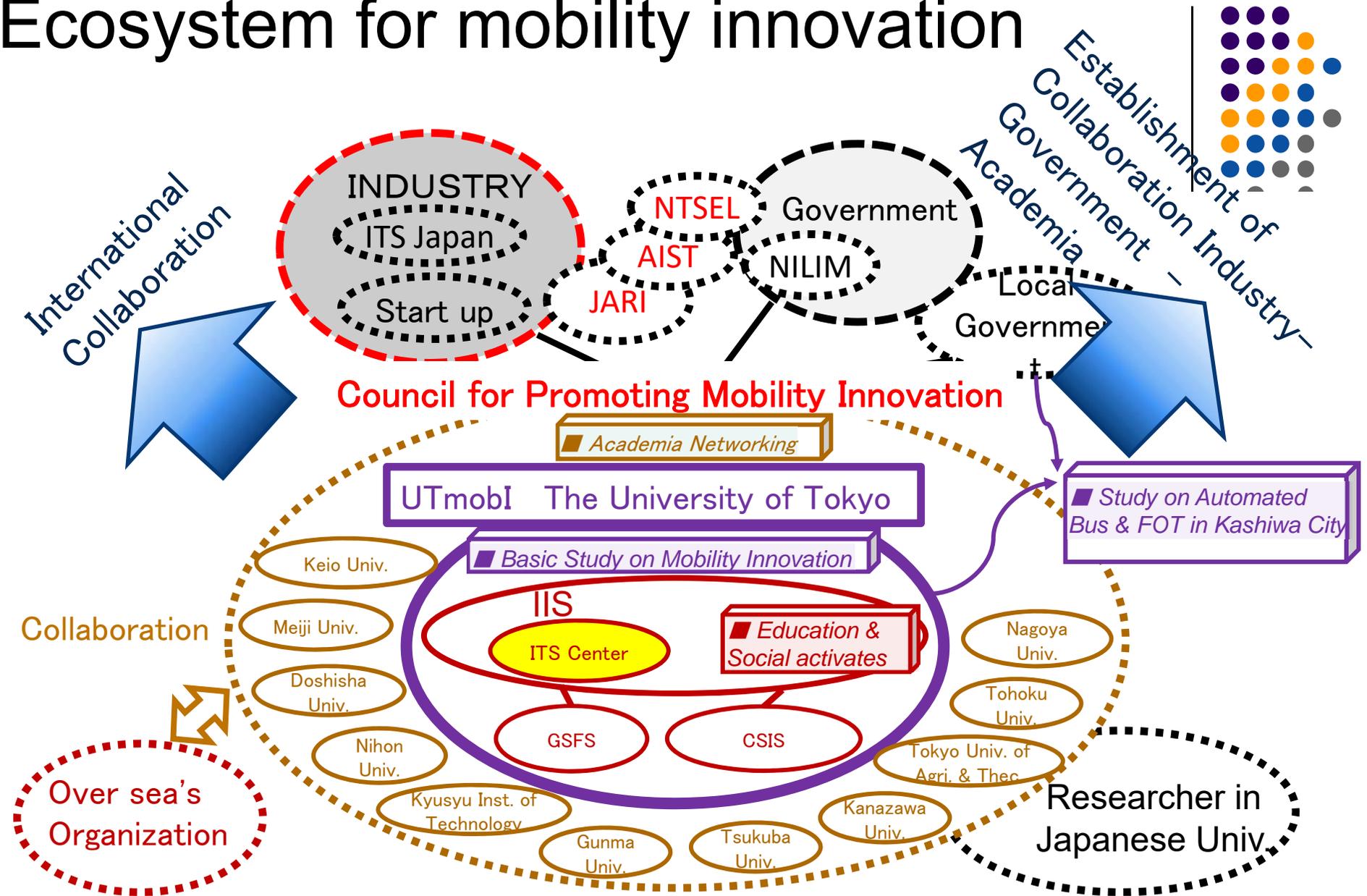
Ecosystem for Automated Bus Service



Platformer and Organizer have important role to achieve ecosystem as final goal in collaboration with **SIP-adus**.



Ecosystem for mobility innovation



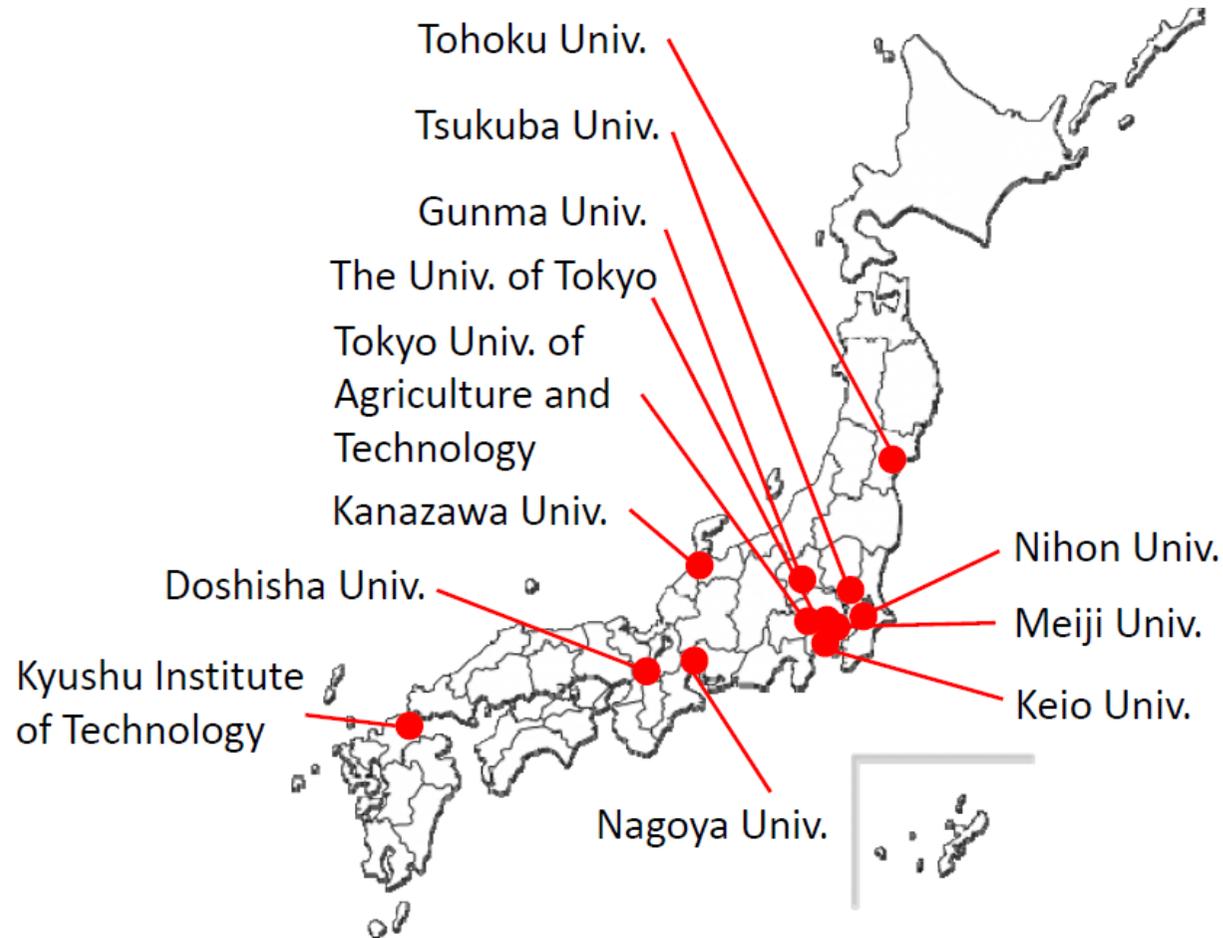
Mobility Innovation Liaison Meeting



- Basic survey program for promoting collaborative research with overseas research institutes related to automated driving by SIP
 - **Council for Promoting Mobility Innovation**
 - AIST; The National Institute of Advanced Industrial Science and Technology
 - NTSEL; The National Traffic Safety and Environment Laboratory
 - JARI ; Japan Automobile Research Institute



Council for Promoting Mobility Innovation



Established in March 2018



Institute of Industrial Science, the University of Tokyo SUDA Lab.



Council for Promoting Mobility Innovation



- United Organization of Universities encouraging automated driving.
- Promoting R & D activities effectively and efficiently at each university by knowing each other's strengths.
- By cooperating with each other, a cooperative system to gather the power of the academia in collaboration with the government and industry
- Secretary: **The university of Tokyo.**

Challenge to Mobility Innovation at The University of Tokyo



- Establishment of Mobility Innovation Collaborative Research Organization, The University of Tokyo

UTmobl

Institute of Industrial Science (IIS)

Graduate School of Frontier Sciences (GSFS)

Center for Spatial Information Science (CSIS)

Established in July, 2018 at Kashiwa Campus



Institute of Industrial Science, the University of Tokyo SUDA Lab.



Missions

Promote basic research through collaboration among 3 organizations

- Design of innovation
- Big data analysis
- Studies on human-machine interfaces

Activities in Kashiwa area

- Trials and practical implementation of automated shuttle bus
- Implementation of information center models
- Assessment of the performance of advanced vehicles





Methods and Goals

- Collaboration with social science.
- Education and Social activities.
- Systematization of knowledge that contributes to mobility innovation with promotion of implementation of local society.
- Create collaborative academic research models truly in collaboration with real societies.

Opening events of UTmobl October 16, 2018



President Prof.
Gonokami

五神真東大総長



Director Prof.
Kishi

岸利治生研究所長



Director Prof.
Suda

須田義大機構長



Mr. Akiyama
Mayer of Kashiwa
City

秋山浩保柏市長



MEXT Director
Mr. Watanabe

渡邊淳文科省課長



Tohoku Univ.
Prof. Kuwahara

桑原雅夫東北大学教授



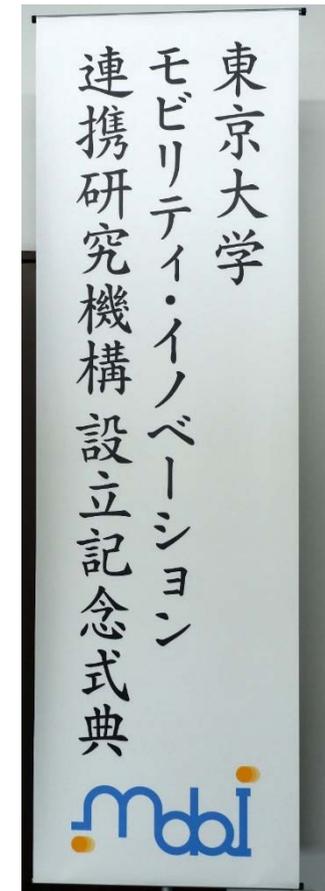
MPAT President
Prof. Yamato

大和裕幸理事長

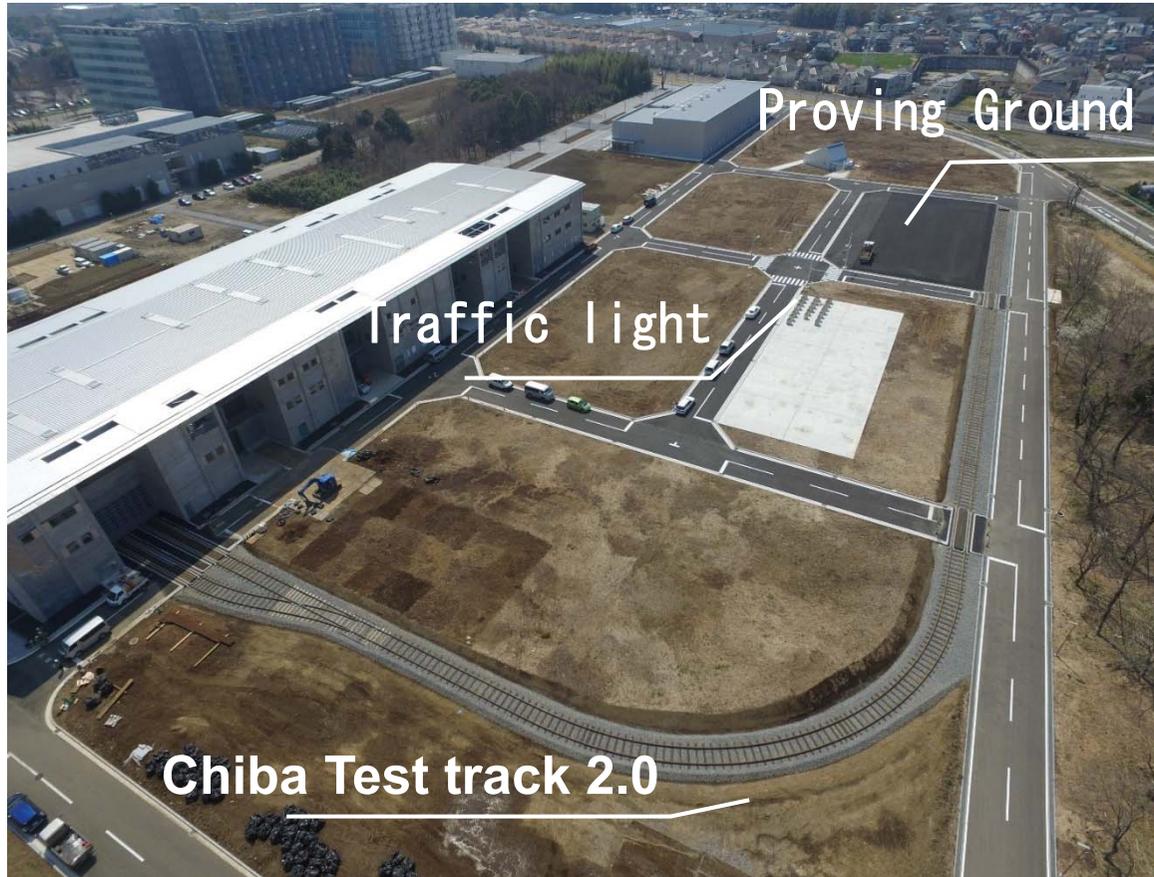


RIKEN Director
Prof. Sugiyama

杉山将理研センター長



The University of Tokyo IIS Chiba Experiment Station constricted ITS R&R Experiment Fields at Kashiwa



April in 2017 open

University-Industry Collaboration :
Advanced Mobility Research Center (ITS Center)
+ Automobile, Railway, Transit, Road Operator
Collaboration Study



Institute of Industrial Science, the University of Tokyo SUDA Lab.



Demonstration of automated bus in proving ground



Collaboration with JTEKT



Collaboration with SB drive





Concluding Remarks

- Business eco-system, mobility as a service are important issue for implementation of automated system
- Establishment of eco-system for Mobility innovation
 - Mobility Innovation Liaison Meeting by SIP
 - Council for Promoting Mobility Innovation
 - Mobility Innovation Collaborative Research Organization, The University of Tokyo (UTmobl)



Thank you very much for kind attention!



Institute of Industrial Science, the University of Tokyo SUDA Lab.

