

SIP Automated Driving System

SEIGO KUZUMAKI Program Director

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Welcome back to SIP-adus WS!

'Is it not delightful to have friends coming from distant quarters?'

(The Analects of Confucius)





Outline of SIP

Intensive R&D program

- ✓ promote 5-years R&D (FY2014 FY2018)
 ✓ enhancing cross-ministerial cooperation

11 research themes

From societal issues such as Energy, Next-Generation Infrastructures and Local Resources, including R&D for AD

Leadership and total Budget

CSTI appointed Program Directors and allocates the budget for each research theme. *

* ¥50bil in total per year (65% for SIP 11 themes, 35% for medical R&D)

> adus : <u>Automated driving systems</u> for universal service



corporations and other researchers

> Ensuring safety and traffic jam reduction on the road

SIP

- Realization and spread of Automated Driving System
- Realization of advanced next generation public bus service for vulnerable people.



Realization of Level 2 on highway by 2020

Prioritization for next step Level 2 on regular road

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SIP Technologies for Automated Driving Systems 4



4 pillars of 2017-2018 SIP activity

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SIP

- 1. To activate the R&D
- 2. To prove each elemental technology
- To enhance international cooperation and harmonization
- 4. To Build Social acceptance







(Goal) To establish and commercialize a dynamic center function, and standardization

Human Machine Interface

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SIP

(Goal) To establish HMI guideline for level 3 and standardization

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(Goal) To establish evaluation method at vehicle and component level and standardization

SIP Pedestrian Traffic Accident Reduction 10



Evaluate system performance and effectiveness under real traffic world.

(Goal) To develop technology and personal handy phones for pedestrian localization



(Goal) To develop next gen. Advanced Rapid Transit and show its demonstration drive

Experts assigned in Focused areas

1. Dynamic Map 2. Connected Vehicle **3. Human Factors** 4. Impact Assessment 5. Next Generation Transport 6. Cyber Security

SIP



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Please enjoy 'hot' discussion and your stay!

Mobility bringing everyone a smile!