

SIP Automated Driving System Development

~ "Automated Driving Technologies" What for? ~

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Cross-ministerial Strategic Innovation promotion Program (SIP)

Leading causes of Death

2004	%	2030	%
	70		70
1. Ischaemic heart disease	12	1. Ischaemic heart disease	12
2. Cerebrovascular disease	10	2. Cerebrovascular disease	10
3. Lower respiratory infections	7.0	3. Chronic obstructive pulmonary disease	7.0
4. Chronic obstructive pulmonary disease	5	4. Lower respiratory infections	5
5. Diarrhoeal diseases	4.	5. Road traffic injuries 2.4 Million?	4

Source: GLOBAL STATUS REPORT ON ROAD SAFETY, World Health Organization (WHO) 2008

1.2 Million

6. HIV/AIDS

7. Tuberculosis

9. Road traffic injuries

8. Trachea, bronchus, lung cancers

10. Prematurity and low birth weight



2.0

6. Trachea, bronchus, lung cancers

8. Hypertensive heart disease

7. Diabetes mellitus

9. Stomach cancer

2.0 10. HIV/AIDS

Congestion, Energy Loss, Emission

Resulting inefficient and unhealthy society







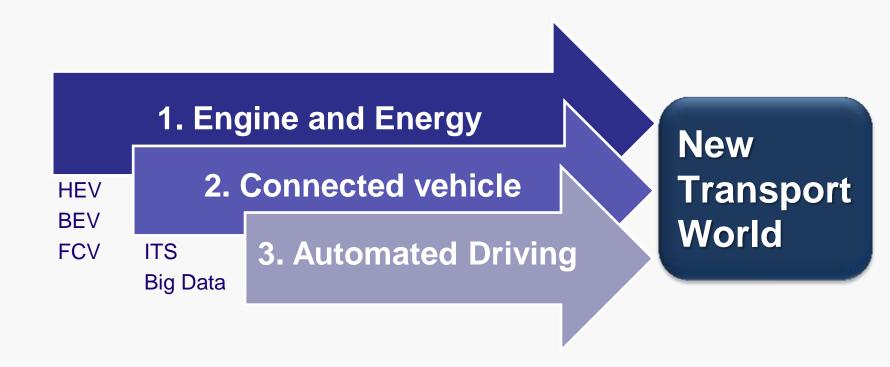






Source: Google

Current three Major Innovations

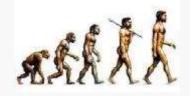




Why people want to move?

Seeking for a better life

Food, security, desire to be independent, · · · Stimulated by curiosity, · · · · New technology invention, · · ·





Source: National Museum of Nature and Science, Japan

Social diversification and growth

Global cooperation

Tied activities



2015 BORDEAUX 2016 MELBORNE







2014 DETROIT







Workshop on Connected and Automated Driving Systems

Organizer

- Cross-Ministerial Strategic Innovation Promotion Program
- ◆ Council for Science, Technology and Innovation
- Cabinet Office, Government of Japan

Date : November 17-18, 2014

Venue: United Nations University

Shibuya Tokyo, Japan





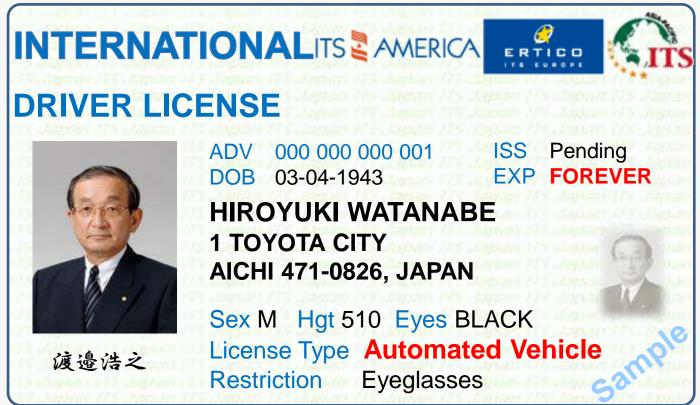


Topics

- Dynamic and integrated database of road network and surroundings
- Perception of driving environment through communication
- Sharing roles between driver and vehicle system
- Integrated approach to reduce traffic fatality and injury
- Next generation transportation systems with automated driving technologies

My sincere dream

■ Driving forever



To realize a dream

■ Time remaining until my Senior Driver License **Renewal Examination**

Year Month Day Hour Minutes Second

22

02 20 59 99



Am I safe to drive?

Source: Michigan's Guide for Aging Drivers and Their Families

Give up driving?



See you in Tokyo

