

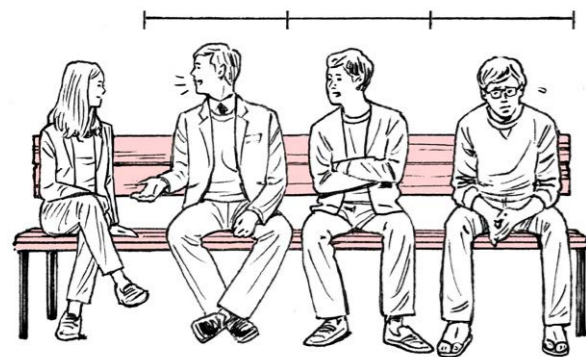
First Future Foresight Workshop

# How AI will spread in society

Future road map until 2040

## 2018

Young people can be divided into three types



- Young people can be divided into three types, namely elite communicators, intermediate layer communicators, and poor communicators, and the separation between these types becomes prominent.
- Lateral communication weakens based on the age of young people, and the progression of individualization in communication.
- Sharing economy is enriched, and there is progress in the "Cloud computing system" or "Flow" that does not save or own anything, to manage entire lifestyles on the network.
- Schools will function only as community hubs.
- Business for people who feel disconnected will shift from "Knowledge" to "Comfort".

## 2020

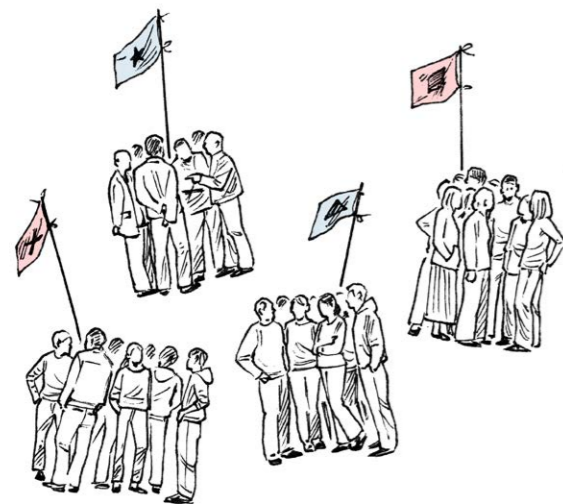
Wealthy elderly will become 'Daddy-Long-Legs'



- As a result of an extreme trend towards nuclear families, the wealthy elderly people with excess money will economically support the young people regardless of blood relation = They will impact society as 'Daddy-Long-Legs'.
- With the growing lifespan, the living time in old age will be longer than the young age, and many people will lead a life of "Live for old age"
- Smart device interfaces will get simpler, and there will be progress in the trend towards universal service of AI.
- "Service matching society" that can automatically match using AI, rather than searching the products or services based on the individual, will arrive.

## 2020

Course of the nation will change



- Triggered by the collapse of the pension system and the increase in self-pay burden of medical expenses, the welfare provided by the government to the citizens until now will become limited. As a result, the influence that the nation can have on its citizens will get weakened.
- A diverse community will form like an alternative nation. Momentum to go independent from the present nation will increase.
- Friction will occur with the existing national system. Businesses that use the friction and information arbitrage will be created.

**AI technology will spread to mosaic type**

## 2030

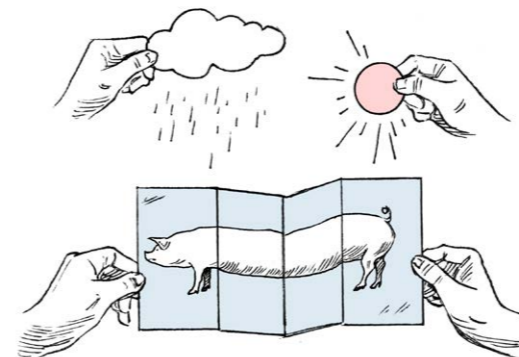


AI will form a 'Mosaic society'

- AI will be introduced in industry, society, life and capital. People who "Entrust" decision-making to AI, and people who "Stick" to their own decisions, will mix in society, which will continue creating a "Mosaic".
- Technology that can analyze big data of the real world, and then extract and use the meaningful data, will dramatically improve.
- The Cyber world will collaborate closely with the physical, real world, and the trend of "Cyber physical" of society will progress.

## 2035

Human beings will be able to freely handle nature



- Genetic engineering of agricultural and livestock products will progress, and nature itself will be artificially created, such as the artificial construction of its cultivation environment.
- New sustainable energy resources will be available by controlling nature, such as with the possibility of certain types of weather manipulation.
- Technology to artificially create food will be established and spread. A food revolution will occur.

## 2040

Great ethnic migration will occur in the virtual and real world



- A New Northern era (prosperity in high-latitude regions) will arrive due to the global climate change. Ethnic units in the real world, or migration between individuals, will be generated.
- At the same time, a virtual nation on the cloud will also prosper. This will lead to a sustainable social change.
- Terrorism and war due to the development of information technology, or unknown accidents and diseases due to excessive progress in biotechnology will lead to unexpected negative impacts. Global scale risk will increase, and a society that utilizes these technologies will be born.

Professor Yuichi Washida, who researches and practices the methods of future foresight, invited experts and assembled the "First Future Foresight Workshop" to predict the future spread of information technologies such as AI and IoT, for the HITE project. As a result, a future scenario in which a "Mosaic diffusion" of AI and IoT that will occur during the years 2025~30 was created.

It was suggested that the social divide will progress in the background, and welfare services by the nation will weaken. As a result, a scenario has emerged in which there will not be uniform change, such as the one envisioned in the current topic of interest where "AI steals humans' jobs", and "Society converts to IoT all together", but technology penetration will progress with considerable "variation" within society. Professor Washida and others called this variation phenomenon "Mosaicing of society", but it will be a big challenge to face future technology development, after anticipating the problem. The conception training of imagining every future scenario, and flexibly preparing for each of these futures, is called "foresight".

\* The results of this workshop are also published in the "Marketing Journal Vol. 37 No. 1 (2017)".