JEITA

*SIA-ITIF Webinar*

# Digital Transformation and ITA: Opportunities and Challenges

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**Jun Nakaya**

Chair of Trade Policy Committee

Japan Electronics and Information Technology Industries Association

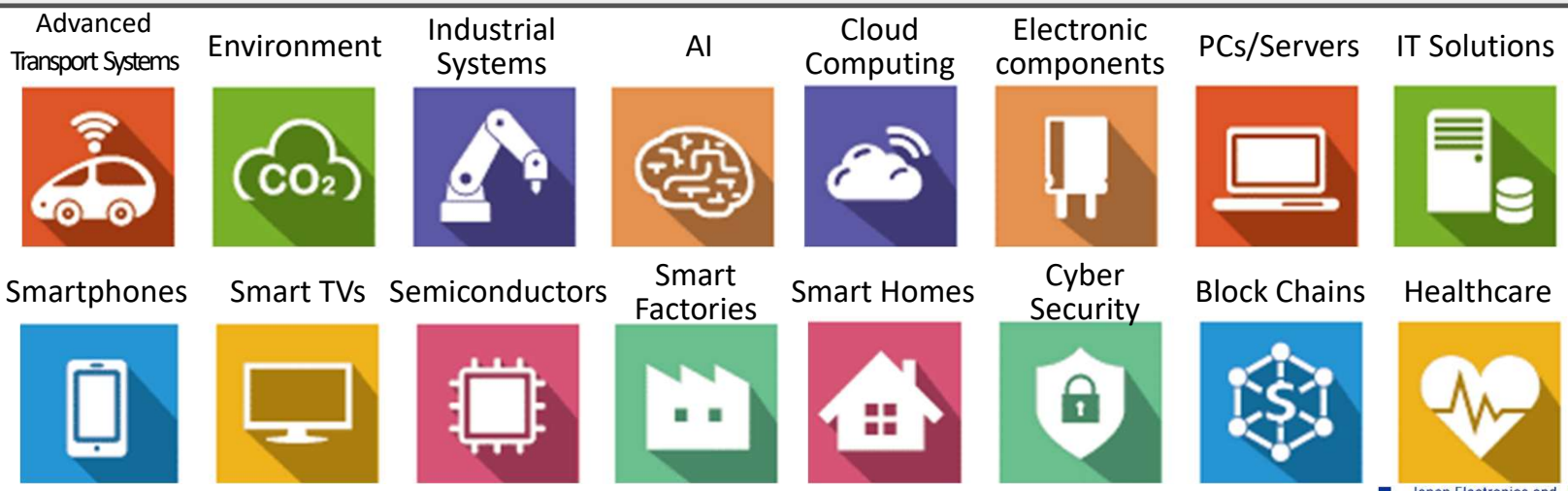
(JEITA)

# About JEITA:

**JEITA** is the leading IT and electronics association in Japan

- Around 400 members from Japan and abroad
- A global business scale of around €300 billion
- A platform connecting all industries with electronic equipment, electronic components and devices, and IT solutions and services as their core in an IoT era
- Strong relationship with ITI, DIGITALEUROPE, and so on..







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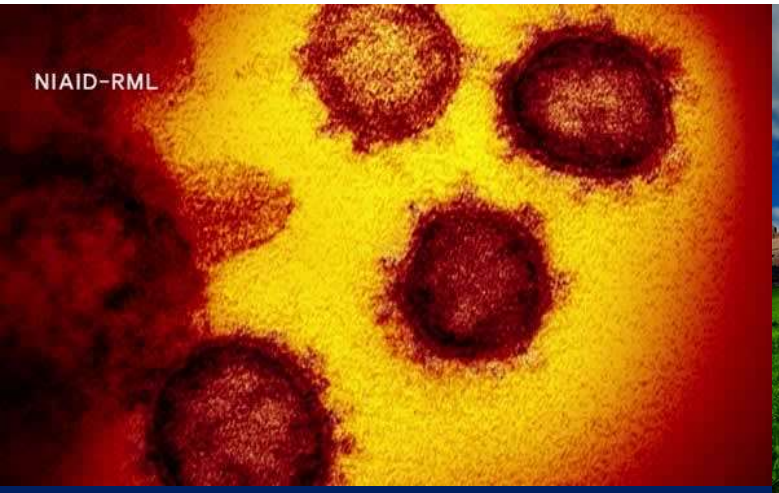
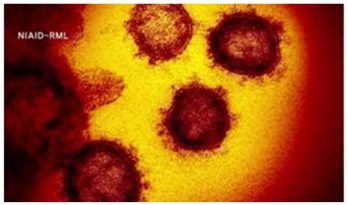
# *Significance of ITA*

- Promotion of ICT trade and foreign investment
- Improvement of productivity
- Increase of employment
- Acceleration of economic growth
- Drive innovation
- Production of prosperity for all nations

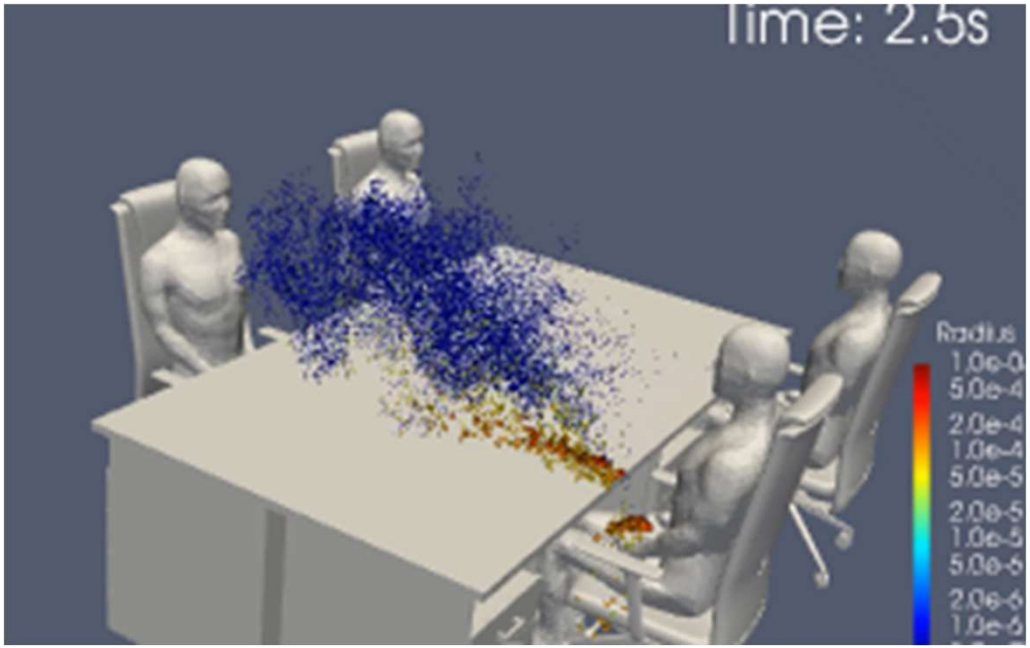



# *Emergence of new social challenges*

# *COVID-19 and ICT*








Source: RIKEN, Toyohashi University of Technology

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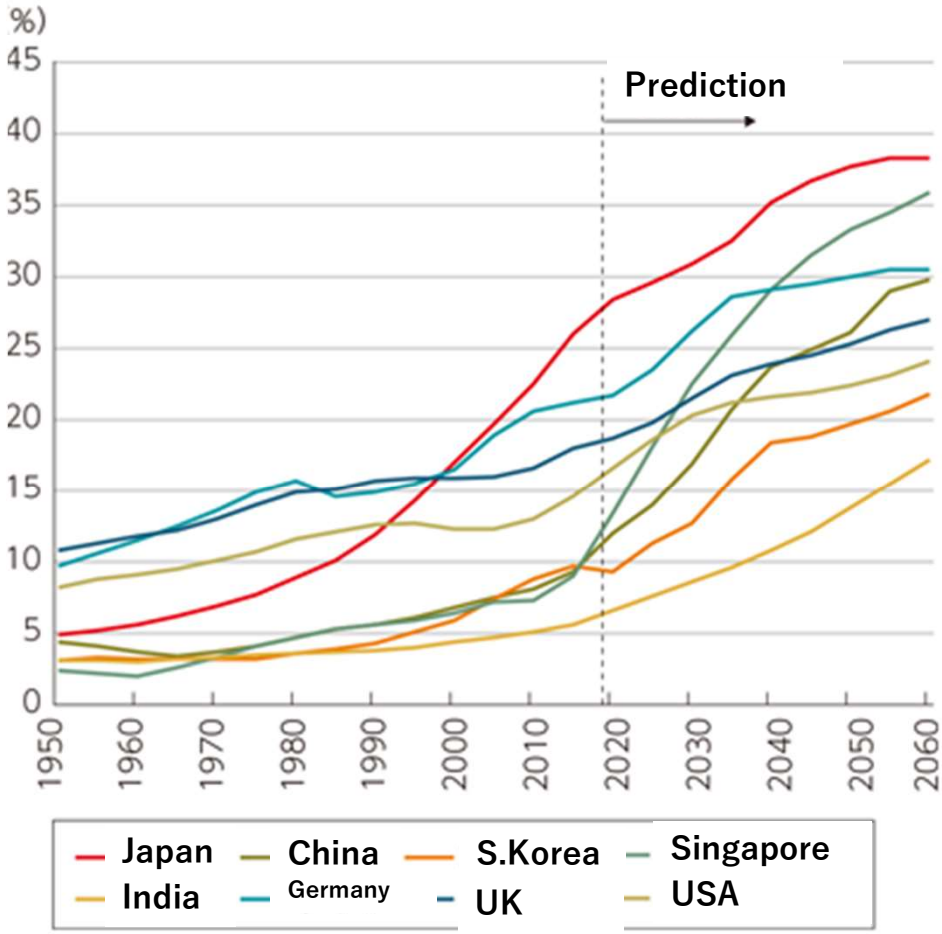
# *Aging Society and ICT*

- **Japan** is world No.1 in aging rate(1/3 population 65 and over in 2036)
- **China, Singapore, South Korea** follow
- Social security expenses swelling up

■Expansion of smart healthcare

Wearable device, IoT, Bigdata,

Medical cloud, VR/ARAI、robots




[Source: UN]

# Contribution to SDGs

## Utilization for SDGs

| 17 Goals | 1 No poverty | 2 Zero hunger | 3 Good health & well-being | 4 Quality education | 5 Gender equality | 6 Clean water & sanitation | 7 Affordable & clean energy | 8 Decent work and economic growth | 9 Industry, innovation & infrastructure | 10 Reduced unequalities | 11 Sustainable cities & communities | 12 Responsible consumption & production | 13 Climate action | 14 Life below water | 15 Life on land | 16 Peace, justice & strong institutions | 17 Partnerships for the goals |
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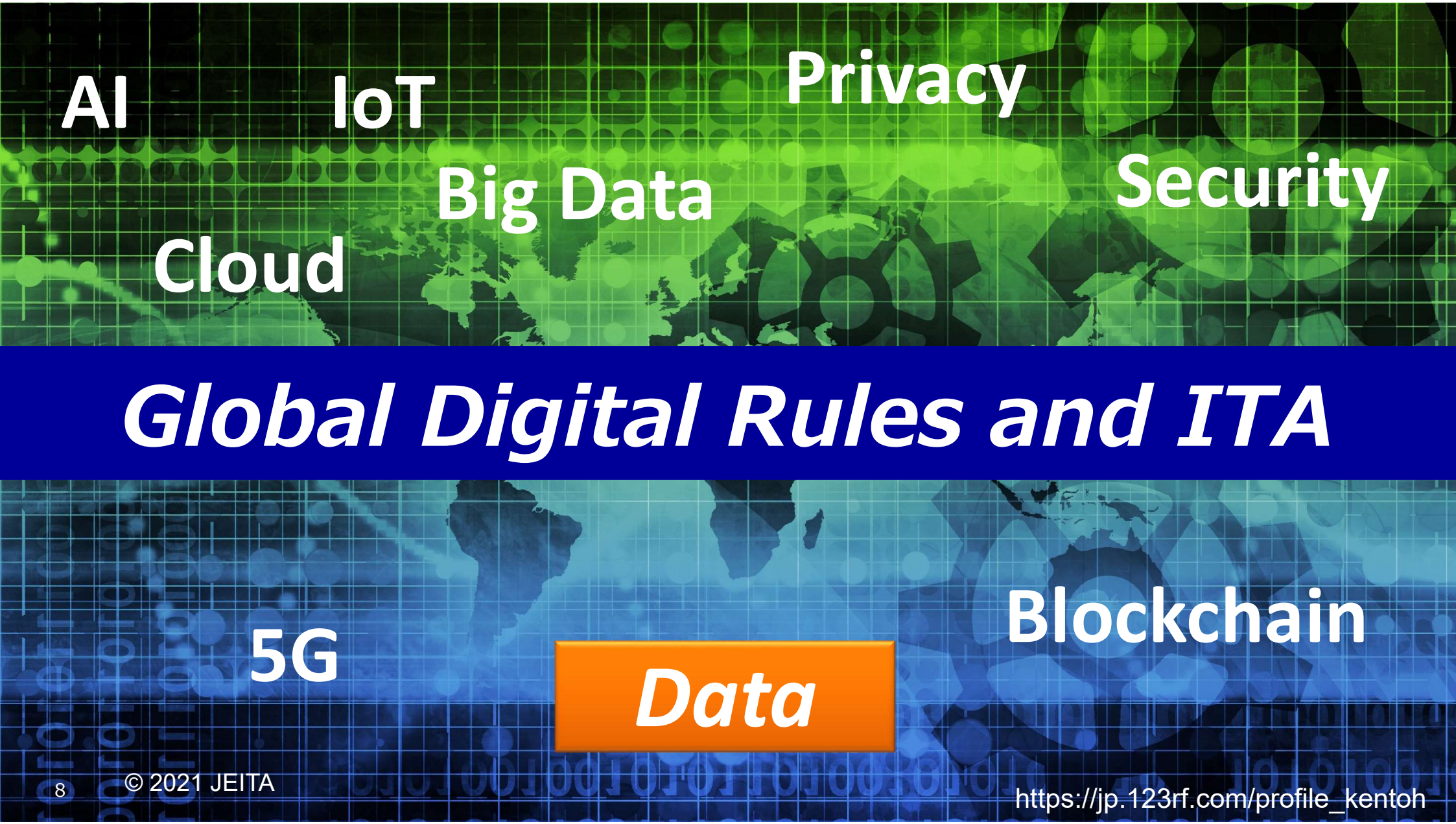
| Telework | Revenue at home | | Healthcare by telework | | Gender equality by telework | | | Productivity improvement | Engineers working from home | | | Good manufacture & right use | | | | | Collaboration |
| Medical care | Remote medical care | | Remote health consultation | | | | | | | | Cities with medical facilities | Good manufacture & right use | | | | Fair medical system | Collaboration |
| Education | Home education | | | Digital remote education | Gender education | Education about water | Education on renewable energy | Through school education | Through school education | Free supply of PC | | Good manufacture & right use | Education on renewable energy | Through school education | Through school education | Education on peace and fairness | Collaboration |
| Logistics | | No food loss | | | | | Energy policy on renewable energy | | Cashless payment | | Mobile store and home delivry | Good manufacture & right use | Regulation on renewable energy | | No food loss | | |
| Entertainment | | | Joy without density | High level sports | | | | Economic growth with entertainment | | No unequality by sports | | Good manufacture & right use | | Environment pollution with marine sports | | Administarati on on peace and fairness | Partnerships for the goals |
| Administration | Strong leadership | Food policy | Social life without density | Digital education | Gender education | Safe water supply | Renewable enegy | Social economy activity | Strong leadership | No unequality by policy | Long-term living | Good manufacture & right use | Strong leadership | Strong leadership | Strong leadership | Strong leadership | Strong leadership |
| Industry | Stable food supply | Food production control | | | | No contamination | Renewable enegy | Through manufacturing | Remote control of overseas facilities | Fair employment | | Good manufacture & right use | With renewable energy | Overfishing prevention | Premention of unnecessary land development with AI/IoT | | |
| Remote Solution | | | Infection finding | | | Waterworks maintenance | | | | | Infrastructur e maintenance | Good manufacture & right use | Plan for disaster prevention | | | | |
| Online SVC | | | | | | | | | Use of webinar | Online services for world | | Good manufacture & right use | | | | | |

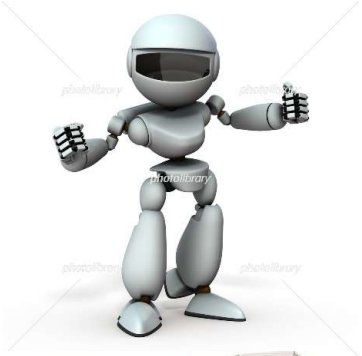


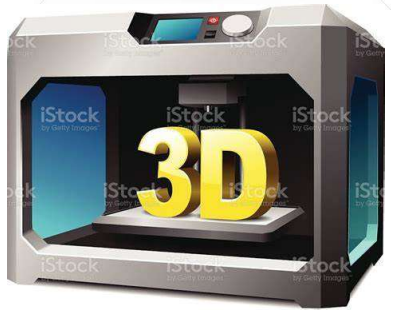



https://jp.123rf.com/profile_kentoh

# Toward ITA-3









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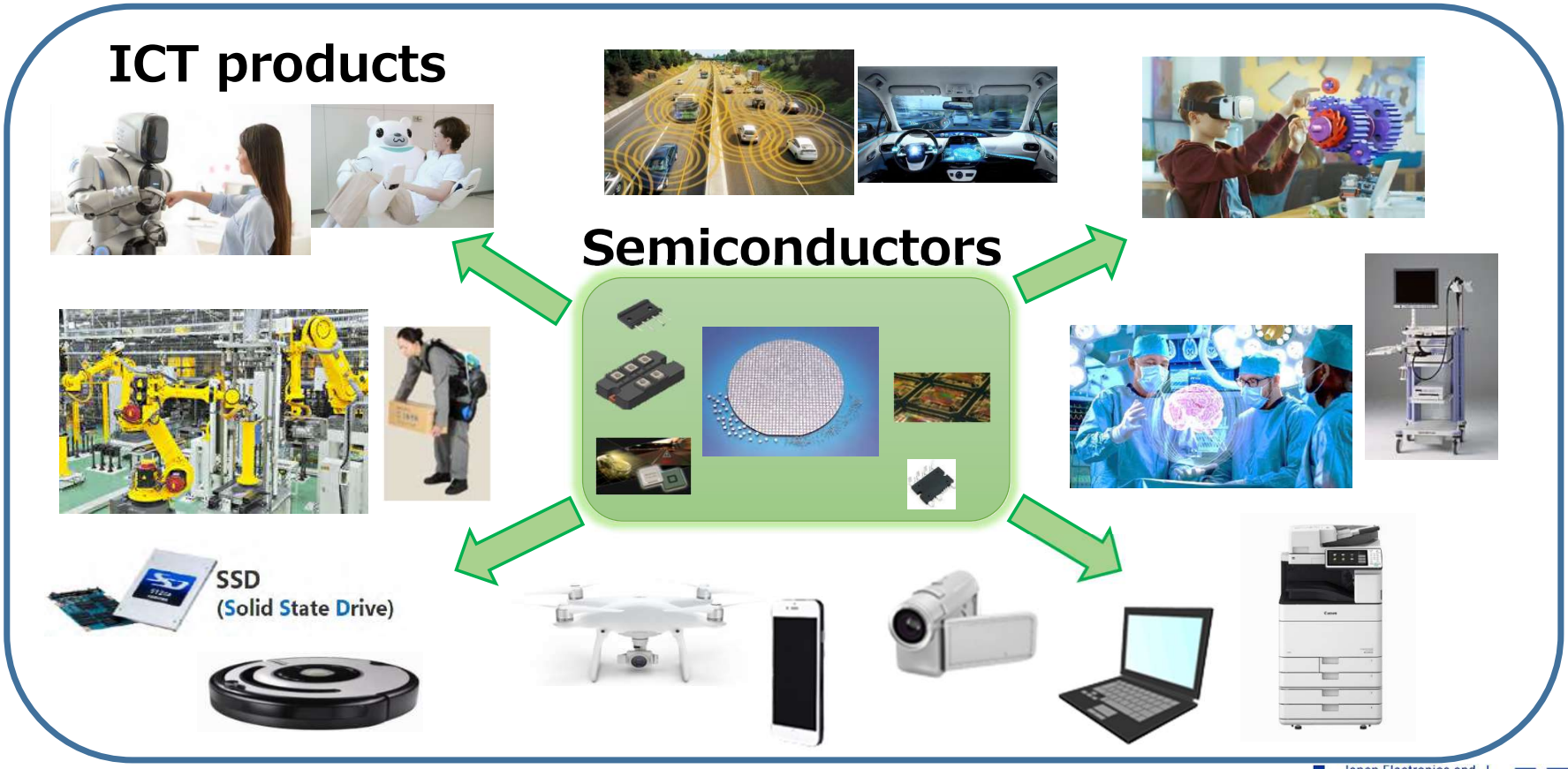
# *Semiconductors are essential in modern society*

- Cutting-edge Semiconductors enable evolution and development of ICT products
- Semiconductors were covered in ITA-1, since then ICT industries receive benefits

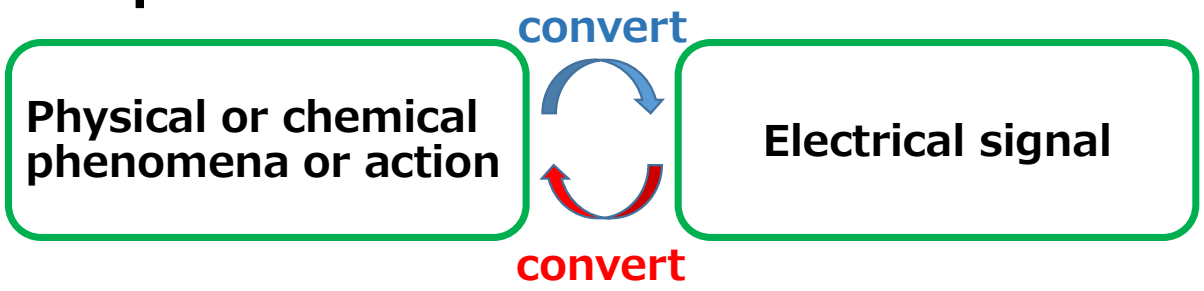


# *Toward ITA-3 for Semiconductors*

## Semiconductor-based transducers

**(sensors, actuators, resonators and oscillators)**

- **Newly developed devices with innovative semiconductor technology**
- **Enabled to perform transducer function as below**




- **Contribute ICT products to high performance & compact/lightweight**
- **Defined as semiconductor devices in HS2022 revision**
- **Expected to be covered in ITA-3 and receive benefits like conventional semiconductors**

# *Benefits of ITA and its Future*

- Contribution to new social challenges (all social sectors)
- Productivity enhancement, economic growth, creation of job opportunities
- Promotion of Innovation
- Increase of direct foreign investment
- Realization of comfortable, safe and secure society

**JEITA expects for the start of ITA-3 negotiation**