

# DIGITALIZATION

## From Disruption to Sustainability Toward Outcome Economy



**Yoshio TANAKA**

Professor, Tokyo University of Science, Japan



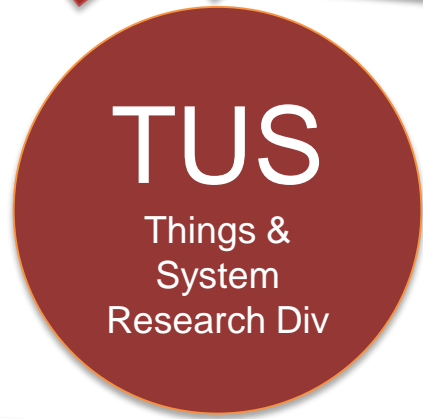
**DUAL Engines by Things and Systems**



Things & Systems

Research Papers  
Sub Committee  
Workshop

Working Group  
Symposium

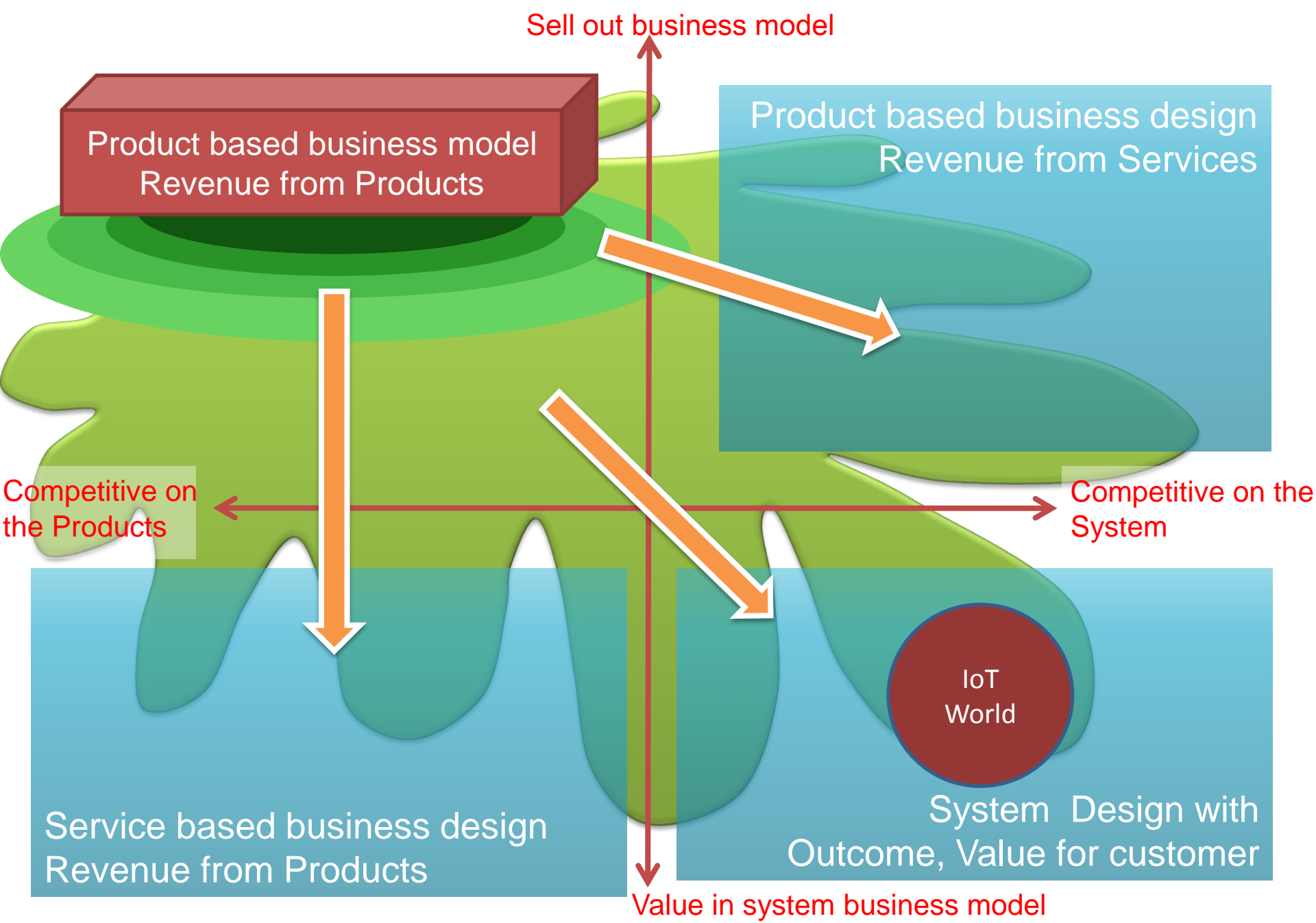


Academic Expert, Researcher, Business Person

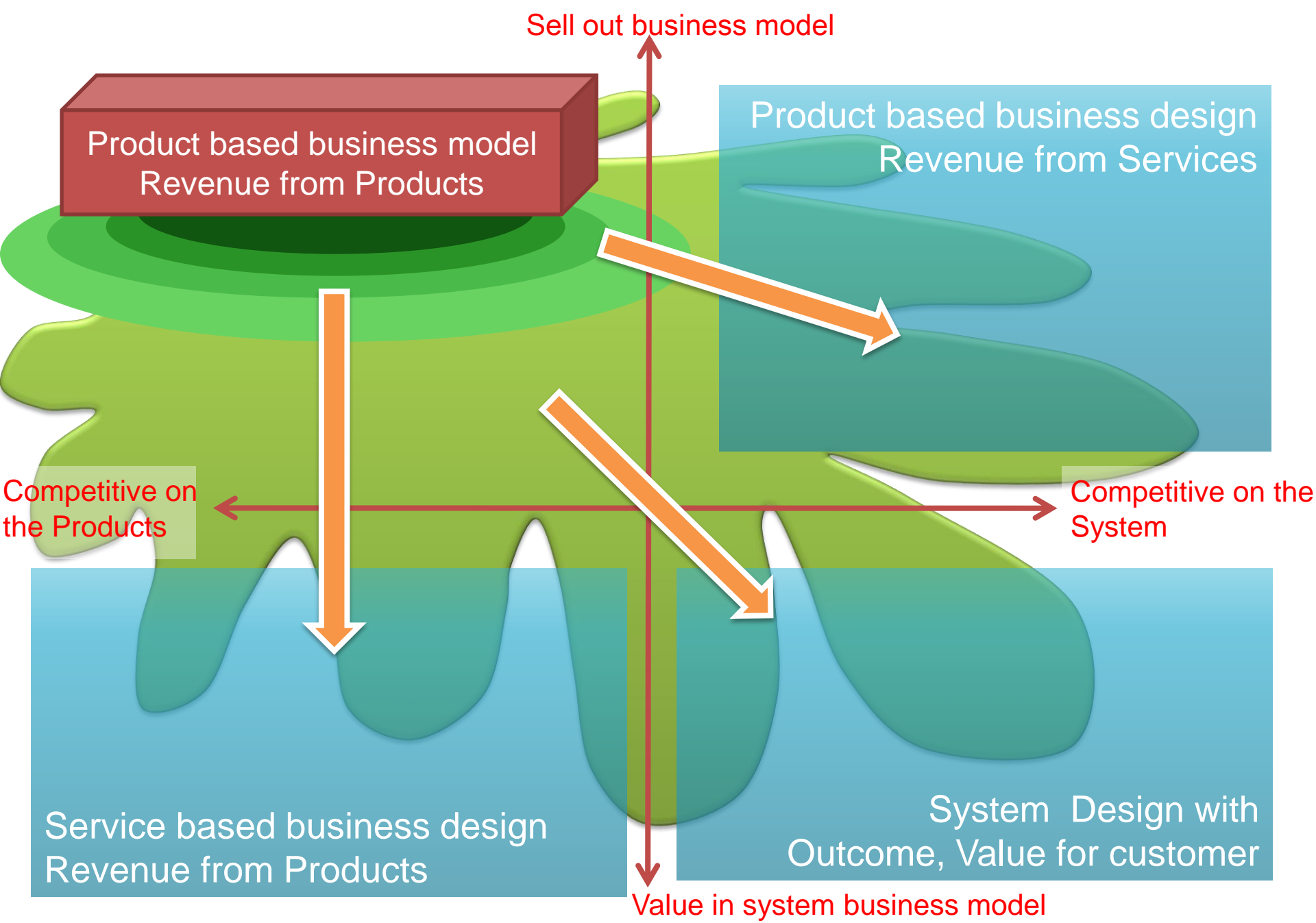


Companies

Incorporate new business mechanisms into the manufacturing companies.



Incorporate new business mechanisms into the manufacturing companies.







# Things & Systems

## The Administrative Board of Things and System Society

**Vice-Chairman :** Kazuyuki Motohashi : **Professor, Tokyo University**

**Administrative Officer :** Kazushi Kuse : **Vice-President, IBM R&D-Japan, IBM Japan, Ltd.**

**Administrative Officer :** Tsuneo Komatsuzaki : **Executive Officer, Director of Laboratory, SECOM Co., Ltd.**

**Administrative Officer :** Waichi Sekiguchi : **Editorial Writer and Columnist, Nikkei Inc.**

**Administrative Officer :** Masahiro Seto : **VP, National Institute of AIST**

**Administrative Officer :** Yoshio Tanaka : **Professor, Tokyo University of Science**

**Administrative Officer :** Masayuki Numao : **Professor, The University of Electro-Communications**

**Administrative Officer :** Seiichiro Hangai : **Professor, Tokyo University of Science**

**Administrative Officer :** Makoto Yokozawa : **Affiliate Professor, Kyoto University**

**Auditor :** Masanori Sakamoto : **Professor, Tokyo University of Science**

**Secretary-General :** Hisashi Hazekawa : **Researcher, Tokyo University of Science ; Chief Specialist, SECOM**

**Advocate :** Soichiro Seki : **Ministry of Economy, Trade and Industry, Japan**



# Things & Systems

## The Administrative Board of Things and Systems Consortium

**Chairman:** Toru Nagashima : **Ex-Chairman of the Board, Teijin Limited**

**Vice-Chairman:** Yoshio Tanaka : **Professor, Tokyo University of Science**

**Administrative Officer :** Tadashi Izawa : **EVP, Business Development Division, CHIYODA Corporation**

**Administrative Officer :** Kazuhiro Igarashi : **EVP, Head of Business Operation Group, Fujitsu Limited**

**Administrative Officer :** Tsuneo Komatsuzaki : **Executive Officer, Director of Laboratory, SECOM Co., Ltd.**

**Administrative Officer :** Masahiko Hasegawa: **Deputy VP, Service Business Group, Hitachi, Ltd.**

**Administrative Officer :** Takaaki Shimizu : **EVP, CMO and Member of the Board, NEC Corporation**

**Administrative Officer :** Fujitoshi Takamura : **Senior Executive Officer, CTO, Komatsu Ltd.**

**Administrative Officer :** Kenji Kondo: **Executive Officer, Corporate R&D, Mitsubishi Electric Corporation.**

**Administrative Officer :** Jun Tsuchiya : **Managing Director, Emerson Japan Ltd.**

**Administrative Officer :** Hiroshi Yokotsuka : **Chairperson, Japan ITServices Industry Association**

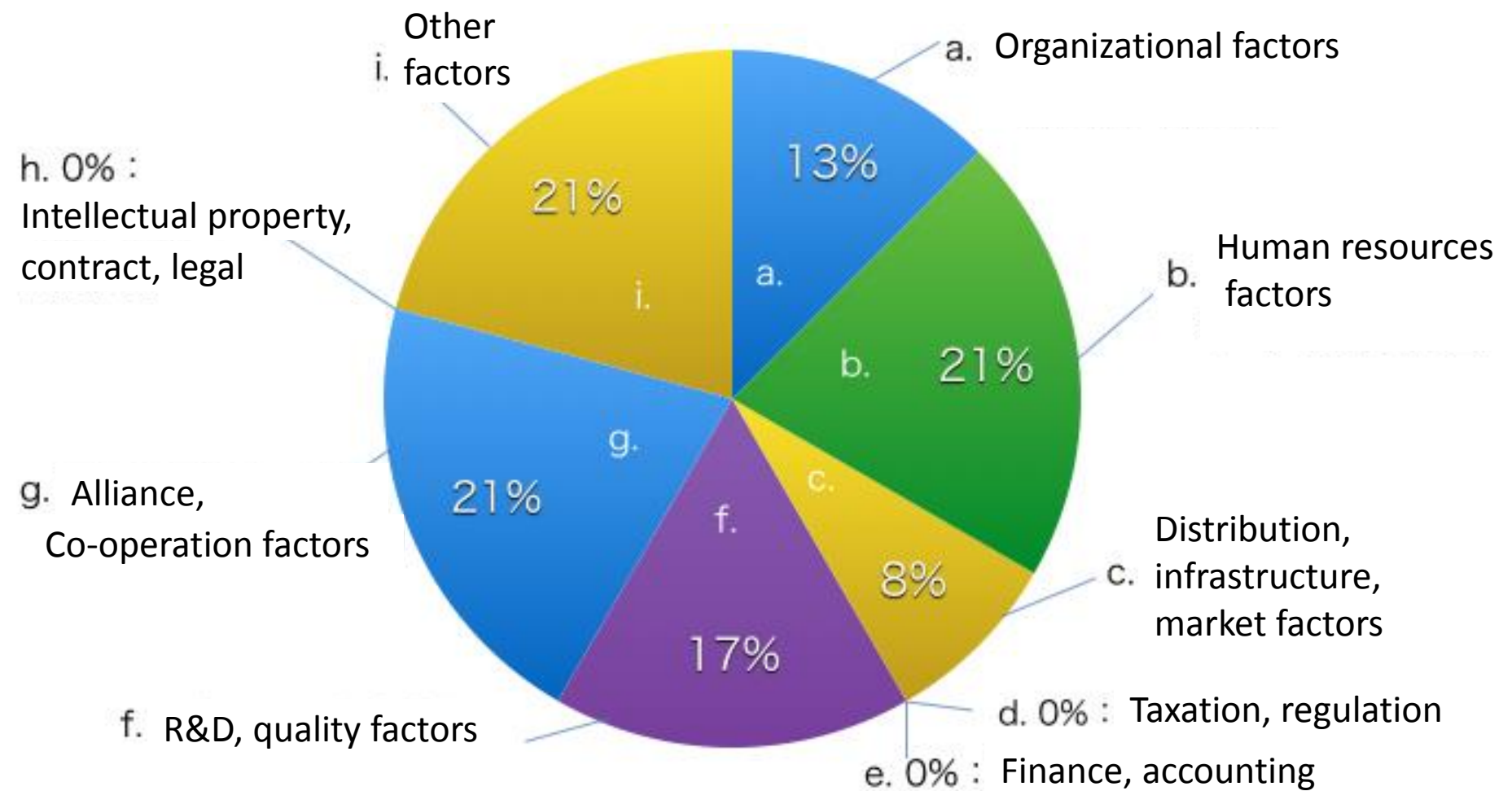
**Administrative Officer :** Yoshiyuki Miyabe : **Senior Managing Director, CTO, Panasonic Corporation**

**Auditor :** Masanori Sakamoto : **Professor, Tokyo University of Science**

**Secretary-General :** Hisashi Hazekawa : **Researcher, Tokyo University of Science ; Chief Specialist, SECOM**

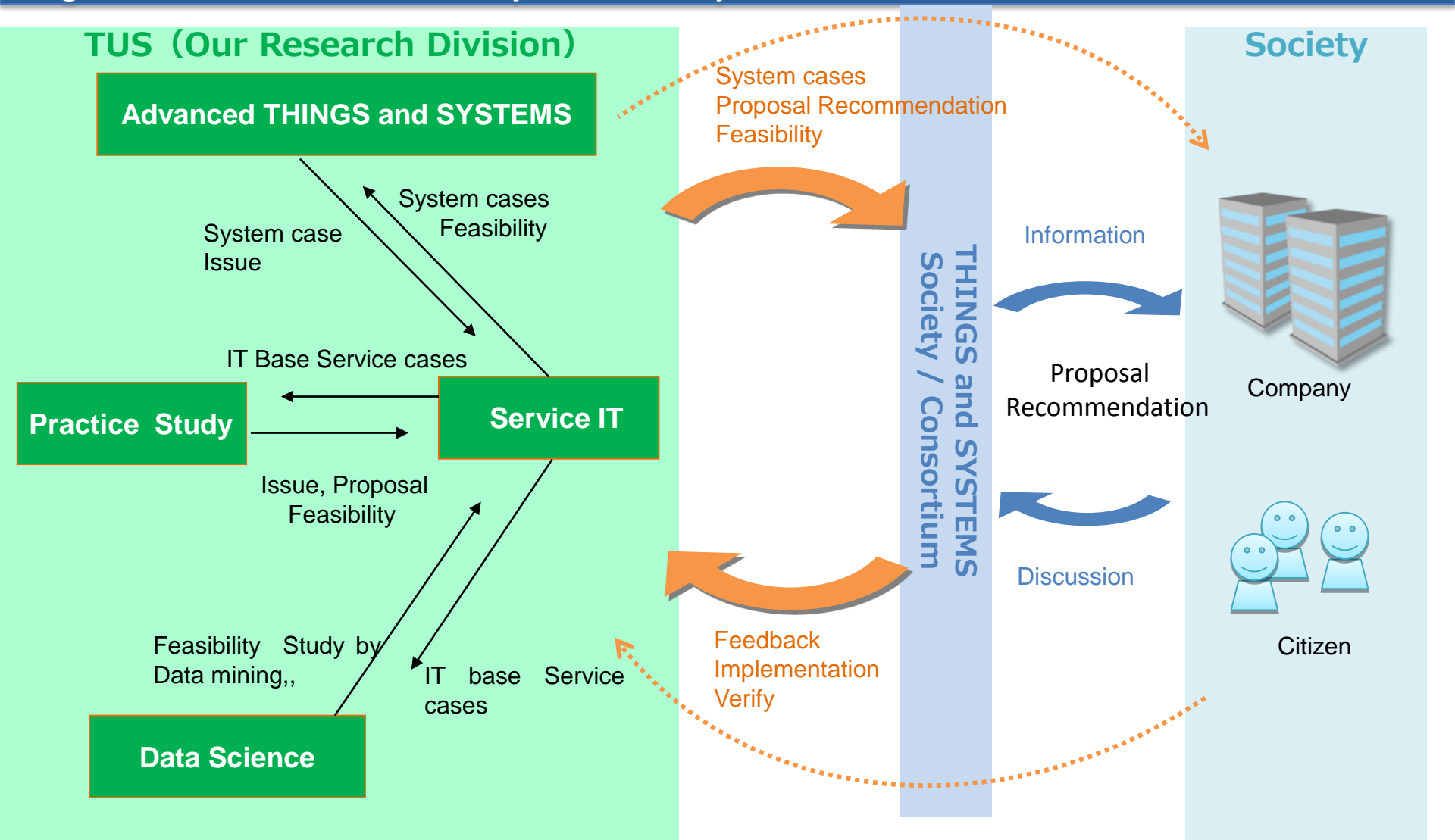
**Advocate :** Soichiro Seki : **Ministry of Economy, Trade and Industry, Japan**

## Questionnaire : Things and System Society / Consortium





# Organization of Our Div., Tokyo University of Science, and collaboration framework



Thank you!