

International Symposium on Tracking Careers of Doctoral Graduates
-International Frameworks and Surveys in Each Country-

Profiles of Japanese Participants
(Order of the First Name)

Ayao Tsuge

President, The Japan Federation of Engineering Societies

Dr. Tsuge is President of the Japan Federation of Engineering Society and President of Japan International Science and Technology Exchange Center. He is also Member of the Science Council of Japan and Vice President of the Engineering Academy of Japan. He was President of Shibaura Institute of Technology and Executive Member of Council for Science and Technology Policy, Cabinet Office of Japan. He received his BA, MA and doctorate in engineering from the University of Tokyo. His areas of expertise include energy, environment and economy, innovation, the management of technology and international relations.



Education:

BA (Engineering) University of Tokyo, 1967
MA (Engineering) University of Tokyo, 1969
Dr. of Engineering University of Tokyo, 1973
Harvard Business School, the Advanced Management Program101, 1987

Experience:

1969 Joined Mitsubishi Heavy Industries, Ltd.
1997 General Manager, Takasago R&D Center, Technical Headquarters
2000 Managing Director & General Manager of Technical Headquarters
2002.4-2005.1 Representative Director & Managing Director, General Manager of Technical Headquarters, Mitsubishi Heavy Industries, Ltd
2005.1-2007.1 Executive Member, Council for Science and Technology Policy, Cabinet Office of Japan
2005.1-2011.12 Executive Science & Technology Adviser, Mitsubishi Heavy Industries,
2012.3 President of Shibaura Institute of Technology
2011.4- President of The Japan Federation of Engineering Societies
2011.4- Chairman, Japan International Science and Technology Exchange Center

Current Affiliation:

President, The Japan Federation of Engineering Societies
Chairman, Japan International Science and Technology Exchange Center
Vice President of Engineering Academy of Japan
Member of Science Council of Japan

Fields of Interest:

Energy
Environment and Economy
Innovation Management of Technology
International Relation

About The Japan Federation of Engineering Societies

The Japan Federation of Engineering Societies (JFES) was founded in 1879 as the first engineering organization in Japan and is the only incorporated organization consisting of over 100 engineering societies (including several scientific societies). Its mission is to foster the advancement of engineering technology and industry through cooperation of membership organizations.

<http://www.jfes.or.jp/index-en.html>

Hiroshi Matsuzaka

Director, Office for University Reform
Ministry of Education, Culture, Sports, Science and Technology (MEXT)

Hiroshi Matsuzaka is a director for university reform at Japanese Ministry of Education, Culture, Sports, Science and Technology (MEXT). He is responsible for and leads university reform programs such as GP programs, FDs, university consortiums and networks as well as Graduate School Leading Programs.

He joined MEXT in 1995 after several years of experience of as a marketing consultant at a member firm of Coopers & Lybrand and other consulting firms. In MEXT, he has seventeen years of experience mainly in the field of higher education. He also worked at Technical and Vocational Education section/UNESCO as an associate expert and at Kanazawa University as director for general affairs in Japan. He is a doctoral degree candidate of Nagoya University.



About MEXT and the Office for University Reform

The role of **MEXT** is to aim for a hopeful future through the promotion of education, science and technology, sports and culture. Following governmental reforms in 2001, the Ministry of Education, Science, Sports and Culture (Monbusho) became **the Ministry of Education, Culture, Sports, Science and Technology (MEXT or Monbukagakusho)**. Following this change, The Science and Technology Agency (STA) which mostly supported large science projects, was merged into **MEXT** combining these aspects of major science activity.

The Office for University Reform of MEXT supports a variety of efforts to reform universities in a competitive environment through national, public and private universities, with the objective of invigorating higher education and encouraging excellent education and research activities which utilize each university's individuality and particular characteristics.

<http://www.mext.go.jp/english/>

Keiji Saito

Research Fellow
National Institute of Science and Technology Policy (NISTEP)

Keiji Saito is a research fellow in National Institute of Science and Technology Policy (NISTEP). He joined NISTEP in 2008. He has conducted surveys and analyses on human resources for research such as doctoral students, postdoctoral fellows, and researchers.

NISTEP has considered tracking the careers of doctoral graduates important for policy-making. The view has become the project of a database of doctoral graduates as a part of its data infrastructure programs in "Science for RE-designing Science, Technology and Innovation Policy (SciREX)" since 2011. He works on the project of database doctoral graduates by applying experience and knowledge of the surveys and analyses on human resources.

He has a background in economics. After he obtained a bachelor's degree in economics from Osaka University, he took a master's and doctoral course at the University of Tokyo. He has worked on various empirical analyses as well as analyses on human resources. In recent years, he has published research papers on empirical analyses of rice farming and mobile phone use.



Toshiyuki (Max) Misu

Senior Research Fellow

National Institute of Science and Technology Policy (NISTEP)

Dr Toshiyuki “Max” Misu received his PhD degree in physics from the University of Tennessee in 1997. As a senior researcher with over 20 years of experience in a wide variety of R&D activities ranging from industrial telecommunication technology, academic theoretical/computational physics, applied physics for cancer therapy, and S&T human resource policy, he is currently working at National Institute of Science and Technology Policy, the Ministry of Education, Culture, Sports, Science and Technology, Japan.



He developed the survey methodology and implemented the full-scale surveys for the first time to fill out some of the missing fundamental HRST indicators, including employment conditions and career paths of postdoctoral fellows, career path diversity and international mobility of recent doctoral graduates in Japan. He also worked as a senior analyst at OECD to carry out comparative studies on careers of doctorate holders (CDH) using micro data from October 2010 until January 2013.

About NISTEP

The National Institute of Science and Technology Policy (NISTEP) is a national research institution that was established in accordance with the National Government Organization Law under the direct jurisdiction of the Ministry of Education, Culture, Sports, Science and Technology (MEXT) to be engaged in the Japanese government’s science and technology policy-planning process. It is expected to ascertain government needs, to collaborate and cooperate with government agencies, and to participate in the decision-making process. **NISTEP** has three missions:

- (1) To forecast future policy issues and investigate them through autonomous research
- (2) To carry out research in response to requests from government agencies
- (3) As a core institution in the science and technology policy research field, to provide data that forms the basis of research by other institutions and researchers in order to contribute to the accumulation and expansion of knowledge

<http://www.nistep.go.jp/en/>