Quantitative Analysis on Research Administration and University-Industry Cooperation

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This session is organized by the Japan Society for Research Policy and Innovation Management (JSRPIM). This society covers science, technology and innovation (STI) policy, management of innovation, evaluation of R&D, academia-industry cooperation, issues on human resources and so on. In recent years, promotion of evidence-based policy making had become one of the important issues and methods of quantitative data analysis has been applied to it. In this session the results of several research projects using quantitative data analysis, focused on STI policy, especially on research administration and university-industry cooperation, are presented. Future prospects of this research field and relevance to policy needs are also discussed.

Authors' Bio: Dr. Koichi Sumikura is Professor at National Graduate Institute for Policy Studies (GRIPS). In March 1998 he got a Ph.D. in engineering from the University of Tokyo, for his study on bio-engineering. During April 1998 and September 2001, he had been working at Research Center for Advanced Science and Technology, the University of Tokyo. In October 2001 he got a position of Associate Professor at GRIPS. He has been working as Professor at GRIPS since April 2016. He has been a board member of the Japan Society for Research Policy and Innovation Management since 2001.

Dr. Masatsura Igami is a director of Center of S&T Foresight and Indicators and also a head of Research group for S&T Analysis and Indicators of National Institute of Science and Technology (NISTEP), Japan. The group is responsible for Japanese S&T indicators; country level and university level benchmarking of scientific research based on bibliometrics analyses; science map; and TEITEN survey, a panel survey to Japanese experts about their recognition on the status of Japanese S&T and innovation system. He is an expert of S&T indicators, especially bibliometric analysis of scientific and patent publications.

Dr. Makiko Takahashi, Professor, Kanazawa Institute of Technology, Japan, is a Vice-Chairs of RMAN-J since the association's creation. And also, a Vice-Chair of the Organizing Committee of INORMS 2020. For the past twenty years, she has devoted herself to the promotion of academia-industry collaboration, technology transfer, and research strategy, while working for Tokyo Institute of Technology, Tohoku University, and RIKEN. She has been appointed to various advisory roles in national and governmental organizations, including MEXT, METI, JST and a visiting scholar of the National Institute of Science and Technology Policy (NISTEP). She has served to establish the skill standards and educational program of Japanese URA system.

Dr. Tohru Yoshioka-Kobayashi is Assistant Professor at Institute of Innovation Research, Hitotsubashi University. His research in intellectual property management links legal and technology management study. His publications covers multiple aspects of intellectual property management, such as measurement of design innovations, management of university-industry collaborative research, and organizational conditions of an entrepreneurial university. Prior to join Hitotsubashi University, he worked for the University of Tokyo, and Mitsubishi Research Institute, Inc.. He earned his Ph.D. from the University of Tokyo in 2015.

Dr. Kazuma Edamura is Associate Professor at faculty of economics, Kanagawa University. His research interests are on the empirical analysis of R&D collaboration between university and industry, productivity, and environmental innovation. Prior to his current position, he worked in the Graduate School of Environmental Studies, Tohoku University, National Institute of Science and Technology Policy (NISTEP) in the Ministry of Education, Culture, Sports, Science and Technology (MEXT), and Japan Productivity Center (JPC).

Dr. Keisuke Isogai is Vice President and Professor, Chubu University. He had been a public officer of MEXT and some national universities until Sep.2020, mainly contributing to research promotion in Japan as Director-General, NISTEP, Director-General, Research Promotion Bureau, MEXT, Trustee/Director-General, Nagoya University, etc. His research fields are STI policy studies and Management of ST. He has got advisory positions for Tohoku University, Hiroshima University and Japan Institute Science and Technology, also a visiting scholar of the National Institute of Science and Technology Policy (NISTEP). He got his Ph.D. from Tohoku University in 2004.