

# T14P01 / S&T Policy and Evaluation

**Topic :** T14 / Science, Internet and Technology Policy

**Chair :** Li TANG

**Second Chair :** Jue Wang

## GENERAL OBJECTIVES, RESEARCH QUESTIONS AND SCIENTIFIC RELEVANCE

In the emerging knowledge economy, science and technology (S&T) has been applauded as effective tools to connect the nature world to the human welfare and promote sustainable economic development. Broadly defined, S&T policy includes scholarship investigating the creation and supporting S&T resources and the coordination of S&T activities. Spanning across a wide spectrum S&T policy can be studied from the economic, social, and political perspectives. The demand for S&T policy and evaluation has been escalating over the last decades. Different levels of government, legislatures, public organizations, and other types of funding agencies are increasingly demanding systematic policy and program evaluation. For example, In the US, the 1993 GPRA requires federal agencies to develop and update strategic plans, to establish annual performance targets, and to report annually on program performance. In Japan, the Science and Technology Agency set up a program in Science of Science, Technology and Innovation Policy to assess the economic and social impact of research investment. Similarly, national research funding agencies around the globe have been sponsoring internal projects to evaluate how funded research projects performed. Looking ahead to the next 50 years, we believe that S&T policy and evaluation is in is critical with the information and insights that brings for better decision- making, good governance, and sustainable development for the well-being of all.

This panel aims to advance our understanding on S&T policy evaluation from interdisciplinary perspective. We are interested in both theoretical and methodological (qualitative, quantitative, or mixed-method) studies that further our understanding on evaluating S&T policy and programs, including but not limited to the impacts of government funding, talent program, and R&D assessment through bibliometric, experimental, or comparative approaches. Any systematic assessment of the operation and/or the outcomes of a program or policy, compared to a set of explicit or implicit standards, as a means of contributing to the improvement of the science program or technology policy are particularly welcome.

## CALL FOR PAPERS

The panel of S&T Policy and Evaluation aims to increase recognition and collaboration among the researchers in S&T policy domain, while exchanging advanced research on policy evaluation in selective domains. This panel features multidisciplinary and interdisciplinary scholarship on a range of science and research policy issues. We invite both promising scholars and established researchers to propose a research paper to present their ideas, reflections, and cutting-edge research related to policy evaluation. The panel encourages research relevant to the economics of S&T, research and policy evaluation, as well as S&T management practice. We are interested in both theoretical and methodological studies that advance our understanding on the roles of government in S&T development, such as the impacts of government funding, talent program, and R&D assessment through bibliometric, experimental, or comparative approaches. The following research questions are particularly interesting to be integrated into this proposed panel: What is the current practice of S&T policy? What role should government play in developing S&T? What are the commonalities and uniqueness of evaluating S&T policy compared to other public policy evaluations? What are the common pitfalls or caveats when evaluate S&T policy? Other proposals that are relevant to the panel theme “S&T policy and evaluation” or a broader S&T policy research agenda will also be considered.

# T14P01 / S&T Policy and Evaluation

Chair : Li TANG

Second Chair : Jue Wang

## Session 1

Thursday, June 29th 10:30 to 12:30 (Block B 5 - 2 )

### Discussants

Najmoddin Yazdi (Sharif Policy Research Institute (SPRI); Sharif University of Technology)

Feng Li (Hohai University)

### Evaluation of Science and Technology in China: Historical Evolution and Future Development

LI qiang (Institute of Policy and Management, Chinese Academy of Sciences)

### Back on track: Factors influencing returnee scholars' regaining transnational capital?

Feng Li (Hohai University)

wangbing Shen (Hohai University)

### Analysis and evaluation of Chinese overseas high-level talents support programs

Jianzhong Zhou (Institutes of Science and Development, Chinese Academy of Sciences)

Fan Chunliang (Institutes of Science and Development, Chinese Academy of Sciences)

### Sino-German Research Collaboration: Evidence from Highly Cited Papers

Guangyuan Hu

LIU Weishu (Zhejiang University of Finance and Economics)

### Categorization of Science, Technology and Innovation (STI) Indicators' Frameworks: Purpose and Functions

Najmoddin Yazdi (Sharif Policy Research Institute (SPRI); Sharif University of Technology)

Ali Maleki (Sharif Policy Research Institute (SPRI); Sharif University of Technology)

# T14P01 / S&T Policy and Evaluation

Chair : Li TANG

Second Chair : Jue Wang

## Session 2

Thursday, June 29th 13:30 to 15:30 (Block B 5 - 2 )

### Discussants

Najmoddin Yazdi (Sharif Policy Research Institute (SPRI); Sharif University of Technology)

Feng Li (Hohai University)

### Innovation Systems for Agricultural Countries: Comparing Malaysia's Palm Oil and Vietnam's Rice Industries

Lim Guanle (Nanyang Centre for Public Administration (Nanyang Technological University))

Chan Yuan Wong

### Science and Technology Policy Paradox in Iran: Analyzing the role of power plays and Institutions

Ali Maleki (Sharif Policy Research Institute (SPRI); Sharif University of Technology)

Ali Babaee

Rouhollah Hamidmotlagh (Sharif University of Technology)

### Nurturing Young Researchers at Change - "Young Researchers Support Program"

Simon Byung Jin Lee (National Research Foundation of Korea / Tallinn University of Technology)

### Organization Design and Resources Allocation: Analysis Based on Chinese Scientific Research Funds Management System

du baogui (School of Humanities&Law Northeastern University)

men lixiang

### Where are you from? The omission of author address information in Web of Science

LIU Weishu (Zhejiang University of Finance and Economics)

Guangyuan Hu

Li TANG

### The Problems and Suggestions of China 's S&T Evaluation: Evidence from Blog

Tao Dai (Institutions of Science and Development, Chinese Academy of Sciences)