INNOVATION SYSTEMS OF SMART CITIES
International Practices and Policy Implications

THURSDAY 13 JUNE | **16:30 - 18:30** | INSTITUTE FOR MANUFACTURING | 17 CHARLES BABBAGE ROAD | CAMBRIDGE

Smart cities can significantly improve our quality of life and create economic opportunities, by collecting and using a vast amount of data to manage diverse assets and resources efficiently. The development of smart cities thus requires a new mode of open, dynamic innovation involving close coordination and collaboration among multiple stakeholders with different backgrounds and expertise. The convergence of new, disruptive technologies not only results in fundamental transformation of our current innovation systems, but also increases concerns regarding privacy, cyber security, and public safety.

This seminar aims to address these various opportunities and challenges associated with smart cities and relevant policy implications. Two international scholars are invited to share their recent studies on innovation systems of smart cities in China, Japan, Korea, and the United States.

MASARU YARIME

Masaru YARIME is Associate Professor at the Division of Public Policy in the Hong Kong University of Science and Technology (HKUST). He also has appointments as Honorary Reader at the Department of Science, Technology, Engineering and Public Policy in University College London and Visiting Associate Professor at the Graduate School of Public Policy in the University of Tokyo. He has been awarded Abe Fellowship by the U.S. Social Science Research Council. His research interests center around science, technology, and innovation policy for energy, environment, and sustainability.

ABSTRACT

The development of smart cities, increasingly integrating various urban aspects ranging from energy and buildings to transportation and health, depends critically on the availability of and accessibility to data in the relevant sectors. It is of particular importance to facilitate efficient and effective collection, diffusion, and utilization of data in creating innovation in cyber-physical systems.

In this seminar we discuss innovation systems of smart cities in Japan, United States, and China and implications for public policy. Opportunities and challenges in policy design are explored for stimulating data-driven innovation through compatibility, interoperability, and integration of data while addressing societal concerns about privacy, cyber security, and public safety.

JUNSEOK HWANG

Junseok Hwang is a tenured full professor for Technology Management, Economics and Policy Program at Seoul National University in Korea. He is also the director of the International IT Policy Program (ITPP) and chairman of the Green Smart Development Vision (GSDV) conference. His interdisciplinary research spans information science and technology policy, network economics, performance efficiency and creativity modelling.

ABSTRACT

In this talk, I will try to deal with the relationship between technological disruption and social transformation from the aspects of convergence and innovation system.

The theories and practical cases will be reviewed to reflect such relationships to be framed as global innovation system. Several recent national smart city development projects of Korea (Busan City, Sejong City, Daegu City and Shiheung City) will be examined to discuss about the potential values and opportunities of their global innovation systems.

The talk will also invite the forum for the global discussion of smart city development policy as a way of digital and global transformation of their local innovation systems. In the forum of discussion, we would like to share various new cases of innovation challenges and diffusion patterns which were not observed in previous technological innovation systems.

AGENDA

16:30:   Registration and refreshments

17:00:   Seminar (Marasu Yarime, HKUST and Junseok Hwang, Seoul National University)

18:00:   Networking drinks and close

This seminar lecture is free to attend. Drinks and snacks will be provided.

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