



The Program on Information and Communication Technology in Emerging Market Economies [PICT]

Wed. 11 July - Tue. 24 July 2018 at the AOTS Tokyo Kenshu Center (TKC)

Course Objectives

The objective of the program is to deepen the participants' understanding of how ICT utilization in the Japanese manufacturing and logistics industries as well as service industries has changed, its current situation, and, by studying the concrete objectives to introduce ICT in companies and ICT technology in a case example of a Japanese company, have them comprehend how strategically important ICT utilization in corporate management is. Then it aims to enable participants to enhance their corporate management capabilities, so that they can start/utilize ICT in their own corporate management.

Traget Participants

Participants should have the following qualifications, in principle,

- ① Owners or directors of companies in the manufacturing and logistics industries, who are responsible for corporate management.
- ② Senior managers who are engaged in ICT utilization at the corporate management level, and are also in a position to communicate directly with top management to introduce/promote ICT utilization in their companies may also be accepted.
- ③ Middle to senior managers who are engaged in the work of system development in companies that develop systems for manufacturing/logistic industry and others may be accepted.

Language

All lectures, visits and exercises will be conducted in English or Japanese with translation into English.

Course Contents

- (1) Participants will first examine the historical development of ICT and how corporate business activities have changed with such ICT development. Also, they will deepen their understanding of Japanese and global trends in terms of newly started solution businesses utilizing information technology.
- (2) Participants will deepen their understanding of corporate business models utilizing ICT, means of such strategy building, and the like, through the lectures and exercises on the practical case examples of how a Japanese company actually put into practice.
- (3) Participants will share the current situations and problems/challenges of their companies through the group discussions, and examine how they can start and utilize ICT in their companies in the most appropriate ways. Then, they will formulate a concrete action plan and make a presentation on the final day.

[Characteristics of this program]

A lot of time is spared in this program for well-focused group discussion. Participants will be required to examine how they should integrate what they will learn in the lectures, company visits, and exercises into their own companies. They will also be requested to review their corporate management strategies, by considering how to cope with an environmental change around their companies through the active discussions with other from overseas as well as lecturers.

Part of the
participation
expenses will be
covered by subsidy
from the Japanese
government

Program Director

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Professor Emeritus, University of Tsukuba

Dr. Ushio Sumita is a Research Project Professor at the Graduate School of Business Administration, Keio University, Japan. Prior to joining Keio, he worked for such universities as the Graduate School of Systems and Information Engineering, University of Tsukuba, Japan, for which he is a Professor Emeritus, the Graduate School of International Management, The International University of Japan, the William E. Simon Graduate School of Business Administration, University of Rochester, U.S.A., and the Department of Industrial Engineering and Operations Research, Syracuse University, U.S.A. With his first Ph.D. in 1981 from the University of Rochester, U.S.A., and his second Ph.D. in 1987 from the Tokyo Institute of Technology, Japan, he has a wide range of research interests in both theoretical and functional areas, including applied probability, stochastic processes, financial engineering, e-marketing, information and communication technology, production and logistics systems, organizational theory, and comparative analysis of global management approaches, among others. He has published more than 160 papers in leading

**Tentative Schedule of
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[PICT]**

Date	Morning Session (9:30-12:30)	Afternoon Session (13:30-16:30)	Evening Session (16:30-17:30)
10-Jul (Tue.)	(Arrival in Japan)		
11 (Wed.)	Orientation/ Opening Ceremony	LECTURE: Case Example of Strategical ICT Utilization in Japanese Manufacturing Industry	Group Discussion (1)
12 (Thu.)	LECTURE: Historical Transition in ICT Development -Shifting from Analog to Cloud Computing	LECTURE & EXERCISE: Current Situation of ICT Utilization and Future Perspective (1) -What ICT changed in corporate management -ICT utilization in manufacturing, logistics, marketing, finance, R&D, etc.	Group Discussion (2)
13 (Fri.)	LECTURE & EXERCISE: Strategic Use of ICT in the Manufacturing and Service Industries -Comparative Analysis between Japan and Overseas Countries		Group Discussion (3)
14 (Sat.) 15(Sun.)	Days off		
16 (Mon.)	LECTURE: Integration of Manufacturing and Logistics with ICT (1) -Case example of a leading Japanese manufacturing company in the field of construction/industrial machines	COMPANY VISIT: Case Example of ICT Utilization in Japanese Logistics Industry	—
17 (Tue.)	LECTURE: Integration of Manufacturing and Logistics with ICT (2) -Case example of a leading Japanese manufacturing company in the field of construction/industrial machines		Group Discussion (4)
18 (Wed.)	STUDY TOUR	COMPANY VISIT: History of Japanese Manufacturing Development/ Case Example of Advanced Japanese Company	—
19 (Thu.)		COMPANY VISIT: Case Example of ICT Utilization in Japanese Manufacturing Industry (1)	—
20 (Fri.)		COMPANY VISIT: Case Example of ICT Utilization in Japanese Manufacturing Industry (2)	—
21(Sat.) 22(Sun.)	Days off		
23 (Mon.)	LECTURE & EXERCISE: Current Situation of ICT Utilization and Future Perspective (2) -Limits and Potential of ICT and future	Preparation for Final Report Presentation	—
24 (Tue.)	Final Report Presentation*	Final Report Presentation*/ Closing Ceremony	—
25 (Wed.)	(Departure from Japan)		

*The above schedule is subject to change for the convenience of lecturers, or for other unavoidable reasons.

Please Visit http://www.aots.jp/jp/ikusei/management/files/18pict_e.pdf

for the Program Outline and Participation Requirements.

Application Deadline: 21 May 2018