

Summary for Overseas Travel WENDI 2018-2019

Name	Rina Maeda
School	Graduate school of Advanced Integrated Studies in Human Survivability, Kyoto University
Grade	3 rd grade
Supervisor's name	Prof. Eiichi Yamaguchi
Travel period	13 th – 18 th October 2018
UN agencies / International organization visited	UK National Commission for UNESCO (UKNC)
Theme of overseas travel	Development of support system for social implementation of basic research

Outline of the activities

As an overseas internship conducted in the 4th grade, I'm going to work on an internship at Health Enterprise East Ltd. (Cambridge, UK) to acquire knowledge and knowhow required for supporting the social application of fundamental research. To smoothly start and proceed the internship, I visited Health Enterprise East Ltd. (HEE) and held a meeting with the director of HEE. Furthermore, I also held the meeting with Professor of Institute of Manufacturing (IfM) to explore the possibility of a collaborative research with them.

Details of the activities

1. Visiting Health Enterprise East Ltd. (HEE, <https://www.hee.co.uk/>)

- a. **Date of visit:** 15th October 2018, from 10am to 12 pm
- b. **Place of visit:** The office of Health Enterprise East Ltd. (HEE)
- c. **Contact person:** Mr. Joop Tanis (Director of MedTech Consulting and Business Development)
- d. **Information of HEE:**

HEE delivers technology advisory services and innovation management to industry and the NHS to improve healthcare innovation.

e. **Contents of meeting:**

- e-1. Explanation of three activities in HEE (MedTech Consulting, NHS innovation, Funding) from Mr. Tanis
- e-2. Discussion about the internship plan
- e-3. Discussion about VISA application



2. Visiting Institute for Manufacturing. (IfM, <https://www.ifm.eng.cam.ac.uk/>)

- a. **Date of visit:** 16th October 2018, from 4pm to 7pm
- b. **Place of visit:** The lecture room at Department of Engineering, University of Cambridge
- c. **Contact person:** Prof. Tim Minshall (Professor, Head of IfM)
- d. **Information of IfM:**

The IfM is part of the University of Cambridge's Department of Engineering. IfM focuses on the research on management, technology and policy to address the full spectrum of manufacturing issues.

e. Contents of meeting:

- e-1. Attending the class of “Management of Technology” provided by Prof. Minshall
- e-2. Discussion about the new research in IfM regarding to Life science (Business model and R&D process of medical technologies)

Summary of the activities

(1) Global leadership

The final goal of this research is to world widely spread the outstanding academic achievements and technologies in Japan by promoting the innovation of fundamental research. To achieve this goal, I expected to find a way for solving global issues regarding above goal and to obtain leadership through this overseas travel and overseas internship.

(2) Scientific significance

In current situation of Japan, it is difficult to make innovation from fundamental research despite there are excellent research result. The proposed reason for this problem is consider to be the lack of a support system to turn the achievement of fundamental research into social value. To solve this problem, it is required to develop the new innovation system in reference to the system in the countries that have succeeded in promoting innovation like UK. This overseas travel helped to facilitate the acquisition of knowhow in the UK's system.

(3) Originality/Universality

Many Japanese organizations are trying to offer the programs to support the innovation. However, must of them are limited to financial support. To promote the innovation, not only financial support but also the total support at every stage of the product or service developing is needed. Focusing on the HEE who provide a wide range of support, such as connection, IP protection and marketing, is an originality of this research to acquire new knowledge and knowhow to facilitate the healthcare innovation.

(4) Reasons and motivations for visiting UN agencies / International organizations

In addition to the above activities, I contacted to the UK national Commission for UNESCO (UKNC) to collect information about Newton prize. Newton prize is the funding system provided by UKNC to support the excellent research and innovation. By comparing the support system for innovation from different sectors, I tried to find the optimal system to support social application of fundamental research in Japan.