

Enhancement of Work Motivation of Construction Practitioners

Project Leader

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1. Objective

This project is aimed at:

In Japan, the conditions required for infrastructure improvement are becoming much less favorable. In particular, there has been a decline in the number of young workers due to the decreasing birthrate, a deterioration of infrastructure facilities, a decrease in financial resources for infrastructure development, and an increase in the threat of natural disasters, which seems to be the result of global warming. It is therefore necessary to further increase the effectiveness and efficiency of infrastructure development. Here, work motivation of construction practitioners is considered to play a key role. It is important for individuals to feel a sense of mission to work, to improve and demonstrate their abilities, and to have a sense of accomplishment and fulfillment of work. The importance of enhancing work motivation is well-recognized in other countries. This project will investigate and describe the current state of work motivation among construction practitioners in one or more countries and derive measures to improve it. The eventual aim of this project is the development of motivation theory for construction practitioners.

2. Project Outline

To that end, the project will consist of the following phases:

- (a) investigating and describing the current state of work motivation among construction practitioners in one or more countries,
- (b) deriving measures to improve work motivation, and
- (c) developing motivation theory for construction practitioners.

3. Expected Performance

In this project, the successful candidate would be expected to:

- (a) do research independently and
- (b) give advice to undergraduate students regarding their thesis works.

4. Required Skills and Knowledge

The successful candidate for this project will have the following knowledge and skills:

- (a) Strong motivation to do research on human being and society
- (b) High communication skill
- (c) Basic knowledge on construction management
- (d) Having practical work experiences is desirable
- (e) Basic knowledge on project management

References

- (a) Jirapong Pipattanapiwong and Tsunemi Watanabe, "An Effective Risk and Uncertainty Management Process for Infrastructure Projects: Development of Multi-Party Risk and Uncertainty Management Process," Journal of Society for Social Management Systems, SMS09-119, 2009. 3.
- (b) Jirapong Pipattanapiwong and Tsunemi Watanabe, "Applicability of Multi-Party Risk and Uncertainty Management Process: Benefits from its Application on an Infrastructure Project," Journal of Society for

Social Management Systems, SMS09-120, 2009. 3.

- (c) Luong Hai Nguyen and Tsunemi Watanabe, “The Impact of Project Organizational Culture on the Performance of Construction Projects,” *Sustainability*, 9(5), p. 781, 2017.
- (d) Dennis Gain and Tsunemi Watanabe, “Unsustainability Risk Causality in a Private Industrial Forest: An Institutional Analysis of Factors Affecting Stand Ecosystem Services in Kochi Prefecture, Japan,” *Forests*, 8(4), p. 126, 2017.
- (e) Lingling Wang and Tsunemi Watanabe, “Influence of Trust on Biomass Supply Decision-Making in China,” *Energies*, 10(11), p. 1749, 2017.
- (f) Ho Thi Thanh Hien and Tsunemi Watanabe, “Title: The Roles of Three Types of Knowledge and Perceived Uncertainty in Explaining Risk Perception, Acceptability, and Self-Protective Response—A Case Study on Endocrine Disrupting Surfactants,” *International Journal of Environmental Research and Public Health*, 15(2), p. 296, 2018.

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