

**\*\* SPECIAL SEMINAR \*\***

**Title: Chain Concept and its Application for Sustainable Infrastructure Development**

**Speaker: Dr. Pitch Sutherawatthana, JSPS postdoctoral fellow, Department of International Studies**

**Date: 18 June 2009 (Thursday), 13:00 - 14:30**

**Venue: Environmental Building, 7th floor, Lecture Room #7**

Abstract:

The objective of research is to develop an analytical tool for identifying secondary effects of technology, focusing on infrastructure. This presentation first describes the chain concept and research framework.

Second, it elaborates on the chain concept in more details through some case studies of development projects. The main argument is that infrastructure and its former effects become pre-conditions or foundations for subsequent decisions. Third, it discusses how infrastructure research can address the concept of sustainable development.

Finally, the presentation demonstrates an application of the chain concept in the field of impact assessment. It then presents a descriptive model that incorporates social group's responses into the concept of second- and higher-order effects. This model is expected to be used as an analytical tool for management teams in planning and design of infrastructure development.