



Nanyang Technological University

DIVISION OF ECONOMICS

Seminar Series

The Division of Economics invites you to a seminar by Dr Sorawoot Srisuma

- Speaker** : **Assistant Professor Sorawoot Srisuma**
University of Surrey
- Topic** : **"Identifying Dynamic Games with Switching Costs"**
- Chairperson** : **Associate Professor Joseph Alba**
Division of Economics
School of Humanities & Social Sciences
- Date** : **Friday, 23 January 2015**
- Time** : **10:30 am to 12:00 pm**
- Venue** : **Meeting Room 6** (HSS 04-91)
Nanyang Technological University
School of Humanities and Social Sciences
14, Nanyang Drive
Singapore 637332

About the Speaker:

Sorawoot is interested in the general theory and application of econometrics, particularly using nonparametric and semiparametric methods. Much of his current and recent research have focused on the identification and estimation of structural models. His PhD thesis is on the estimation of dynamic decision problems and dynamic games, which continues to be an ongoing topic of research. He also works on other structural models, examples include the Euler equation, auction, search and voting models. He also has projects involving models with less explicit economic structure, such as the estimation of nonparametric additive models with endogeneity and efficient estimation of a class of semiparametric missing data model.

Sorawoot completed all of his university education at the London School of Economics (LSE): BSc in Mathematics and Economics (2004), MRes in Economics (2006), and PhD in Economics (2010). He remained at the LSE as a post-doctoral researcher and lectured at the University College London in 2010 – 2011. He was a Lecturer at the University of Cambridge and also a Fellow of Emmanuel College from 2011 – 2013. He has joined the School of Economics at the University of Surrey since 2013.

Abstract:

Most theoretical identification results for dynamic games with discrete choice focus on the (entire) payoff functions while taking other primitives as known. In practice, however, empirical researchers are often concerned about numerical costs and, when possible, use economic theory to reduce the dimensionality of the payoff functions to be estimated by dynamic game methods that are considered computationally expensive. Switching costs, such as entry costs, are recurring components of the payoffs seen in numerous empirical games modeled in practice. We show how natural exclusion restrictions that define switching costs can be exploited to obtain new identification results. Our identification strategy can be used to construct estimators that are simpler to compute and more robust than previously.

Reservation:

Admission is free. Please reply to d-egc@ntu.edu.sg to confirm your attendance.