



Nanyang Technological University
**ECONOMICS AND ECONOMIC
GROWTH CENTRE** Seminar Series

Economics and Economic Growth Centre invite you to a seminar by
Prof Wendun WANG

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- Speaker** : **Prof Wendun WANG**
Professor
Assistant Professor
the Econometric Institute
Erasmus University Rotterdam
Netherland
- Topic** : **"Latent Group Structure with Heterogenous Distribution:
Identification and Estimation"**
- Chairperson** : **Prof FENG Qu**
Associate Professor
Economics Program
School of Social Sciences
- Date** : **11 April 2018 (Wednesday)**
- Time** : **4:00pm to 5:00pm**
- Venue** : **HSS Meeting Room 5 (HSS-04-94)**
School of Social Sciences
14 Nanyang Drive, Singapore 637332
Nanyang Technological University

About the Speaker:

Wendun is an Assistant Professor at the Econometric Institute of Erasmus University Rotterdam. He obtained his PhD at Tilburg University. His research interests covers both theoretical and applied econometrics, including model averaging methods, forecasting, and more recently modelling heterogeneity in panel data and social interactions.

Abstract:

Panel data are often characterized by individual heterogeneity, and a popular way of modelling heterogeneity is to cluster units into groups. The group pattern of heterogeneity not only exists in the mean but also in the distribution of a group. To identify latent groups and recover heterogeneous distribution for identified groups, we propose a clustering method based on composite quantile regressions. We show that combining multiple quantiles improves the efficiency of the group membership estimate when the group structure is common across quantiles. We also propose amenable tests for commonality of group structure across quantiles. Asymptotic theories for the proposed estimators are established while their finite sample performance are demonstrated by simulations. We apply the proposed methods to analyse cross-country output effect of infrastructure capital.

Reservation:

Admission is free. Please reply to e-egc@ntu.edu.sg for any enquiries.