



Lee Kuan Yew Centre for Innovative Cities

cordially invite you to a Brown Bag Lunchtime Talk

Vehicle quota control, transport infrastructure investment and vehicle travel: A pseudo-panel analysis in Singapore



Song Siqi

Postdoctoral Research Fellow,
LKYCIC

Date: Wednesday, 21 November 2018
Time: 12.00 pm to 1.00 pm
Venue: Lee Kuan Yew Centre for Innovative Cities, Meeting Room 21
Building 3, Level 2
Singapore University of Technology and Design
8 Somapah Road, Singapore 487372
(see overleaf for map)

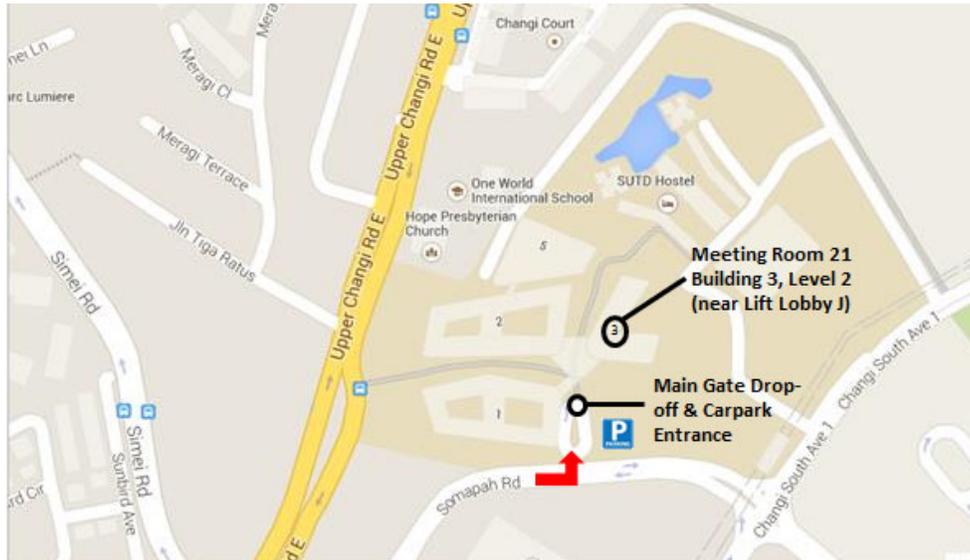
Synopsis

The rapid pace of urbanization and economic prosperity have led to a dramatic increase in car population worldwide over the past few decades. The negative externalities associated with car dependency, e.g., traffic congestion, environmental pollution, oil dependence, are of increasing concern among transport researchers and policymakers. Various policy interventions have therefore been proposed in order to accommodate the fast growth of mobility needs while mitigating the negative effects of driving. A few examples include transport pricing, land use planning and neo-traditional neighbourhood design. By drawing the case of Singapore, this talk will focus on two political strategies, i.e., vehicle quota control and transport infrastructure investment, aiming to investigate their effectiveness in regulating individual vehicle usage. We create a pseudo panel dataset with three travel surveys and adopt a Structural Equation Modelling approach to explore the interconnections among individual characteristics, the built environment, transport provision, vehicle quota control, and individual mobility choices. How and the extent to which the policy interventions influence travel behaviour will be discussed.

About the Speaker

Siqi is a Postdoctoral Research Fellow at the Lee Kuan Yew Centre for Innovative Cities. She received her PhD in Geography from National University of Singapore and Bachelor's degrees in both Urban Planning and Economics from Wuhan University, China. Her research interests fall broadly under transportation, urban planning, GIS application, public health, spatial and quantitative analysis, with a special focus on sustainable transport policies and the interaction between the built environment and travel behaviour. Currently, she is working under the Lee Li Ming Programme in Ageing Urbanism, where she explores the role of built environment in shaping health and wellbeing among older adults in Singapore.

**Singapore University of Technology and Design
8 Somapah Road Singapore 487372**



BY TRAIN

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Alight at one of the bus stops along Upper Changi Road East and walk to our Campus:

BY BUS

- B96041: Upper Changi Road East, Before Tropicana Condo. Service No: 2, 5, 24
- B96049: Upper Changi Road East, Opposite Tropicana Condo. Service No: 2, 5, 24
- B96449: SUTD - Along Somapah Road. Service No: 20
- B96441: Opposite SUTD - Along Somapah Road. Service No: 20
- Take Exit 2B on ECP
- Take Exit 4A on PIE
- Take Exit 1 on TPE

BY CAR

Turn into Somapah Road via Upper Changi Road East. The entrance is on the left. Carpark charges apply.

[Click here](#) for the map.