



## Lee Kuan Yew Centre for Innovative Cities

*cordially invite you to a Brown Bag Lunchtime Talk*

### Better Solutions for Megacities: How to get them



#### **Augustine Quek**

Programme Manager,  
E2S2-CREATE programme,  
NUS Environmental Research Institute (NERI)

**Date:** Thursday, 24 May 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**

Historically unprecedented impact of megacities on the natural environment demands sustainable solutions. Cities are on unsustainable trajectories of resource consumption, waste generation and emerging contaminants. Sustainable solutions are presented for numerous urban problems from multidisciplinary perspectives on four key ideas. Coupling of problems, such as waste management with energy production, solves multiple problems simultaneously. Modelling possible scenarios with economic and ecological constraints optimizes sustainable design solutions. Test-bedding and engaging stakeholders enable discovery of value, challenges and end-user buy-in. These ideas will be interleaved with examples of actual projects: Urban food waste to energy and coupled models of freshwater contaminants.

#### *\*Note:*

*This talk features audience interaction elements. Participants are encouraged to use their Wi-Fi or data-connected mobile devices.*

#### **About the Speaker**

Augustine Quek (Ph.D., MBA) is the programme manager of the E2S2-CREATE programme, a joint collaborative programme between Shanghai Jiaotong University (SJTU) and the National University of Singapore (NUS) under the Campus for Research Excellence and Technological Enterprise (CREATE) framework. He manages the \$24.1 million dollar R&D research effort that examines coupled environments problems through experimentation, systems modelling and test-bedding at different scales and complexity of two cities - the megacity Shanghai and land-scarce Singapore.

He has held various positions, from project manager, to faculty position. His research has dealt with various wastes to resource issues, environmental impacts, Lifecycle Assessment (LCA) and other integrative approaches to sustainability.



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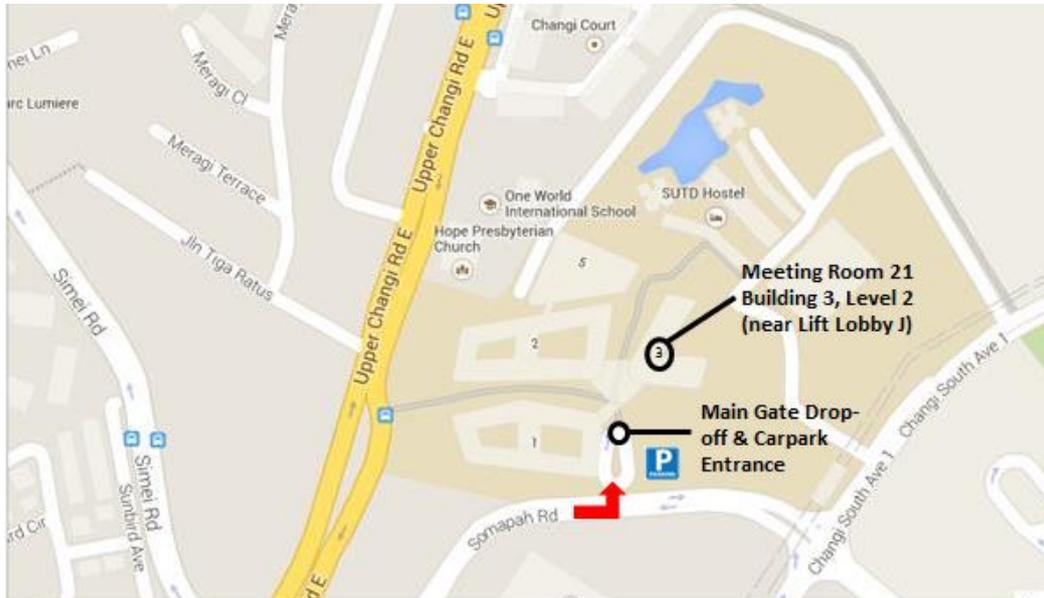
For more information on the event, please visit <https://lkycic.sutd.edu.sg/>

For enquiries, please email us ✉ [lkycic@sutd.edu.sg](mailto:lkycic@sutd.edu.sg)



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



### BY TRAIN

Alight at **Upper Changi MRT Station (DT34)** and take Exit B – our campus will be on your left when you exit the station

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.



The **Lee Kuan Yew Centre for Innovative Cities (LKY CIC)** at the Singapore University of Technology and Design (SUTD) focuses on the integrated use of technology, design and policy to study solutions for cities. The LKY CIC works with architects, designers, engineers, social scientists, and urban planners to understand the complex and critical issues of urbanisation, and to explore sustainable and innovative urban solutions.