Lee Kuan Yew Centre for Innovative Cities

cordially invite you to a Brown Bag Lunchtime Talk

Smart Cities – Smart Citizens
The Social Side of Data-Driven
Models in Urban Planning and Design

Claudia Yamu
Founding Director of the Centre for Advanced
Studies in Urban Science and Design (CASUS)
University of Groningen, Netherlands

Date:	Tuesday, 3 April 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

One of our main tasks in urban planning and design is to draft possible solutions, and arriving at a decision to then create guidelines into the future. Computer-based technologies supporting urban science have been applied to planning and design problems since the 1960s. However, information technology has significantly evolved in the last decade and our world is becoming more and more digital. A data-driven society can result in the focus on citizens being pushed to the fringe. It is tempting to let data solve congestion and climate change impacts but that can also lead us down a path of policy blind to larger societal concerns. We are therefore in need for decision-making models in urban science that take the societal aspects into consideration, either with the model itself or in the process. This is a crucial innovation that modern cities need to take into account. Therefore, in this brown bag talk I will present two approaches: First, a socio-spatial model 'space syntax' and second, a participatory modelling process.

Let's create smart cities with smart citizens on board!

About the Speaker

Claudia Yamu holds the chair 'Spatial Planning, its Methods, Modeling and Analysis' and is founding Director of the Centre for Advanced Studies in Urban Science and Design (CASUS) at the University of Groningen, Netherlands. Her research interests focus on urban analytics & city science, evidence-based design, mixed methods, decision support and civic engagement. She applies her research to topics such as future sustainable cities, smart cities, cities as complex adaptive systems and the future well-being of people. Given the high importance and relevance for society and practice, Claudia's research places special emphasis on the scientific-policy-practice interface. Recent awards among others include the Michael Breheny prize for the best research paper (2016) and The Rosalind Franklin Fellow of the Year Award (2016).

Her education background spans from architecture to urban geography. She holds a PhD in Architecture from TU Vienna connecting architecture, urban planning and computer science and a PhD in Geography from Université de Besançon in the field of complexity-based modeling for decision support. Claudia is Charrette certified from Harvard University.
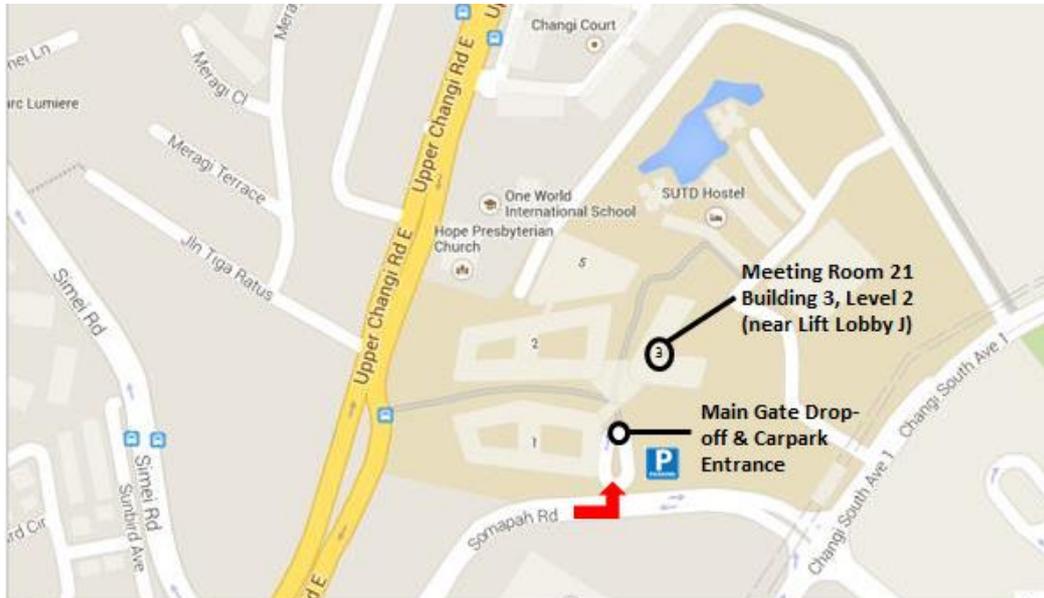
Singapore University of Technology and Design
8 Somapah Road Singapore 487372

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 **Expo MRT Station (DT35 / CG1)** and walk to our campus - along Changi South Avenue 1 in the direction of Max Pavilion / Somapah Road
BY BUS	Alight at one of the bus stops along Upper Changi Road East and walk to our Campus:

- 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

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.