



THE HONG KONG
POLYTECHNIC UNIVERSITY
香港理工大學



DEPARTMENT OF
CIVIL AND ENVIRONMENTAL ENGINEERING
土木及環境工程學系

CEE



Hong Kong Society for Transportation Studies



Emerging Research in Infrastructure Systems in the United States

by

Prof. Cynthia Chen

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Speaker's Biography

Prof. Cynthia Chen is a Professor in the Department of Civil and Environmental Engineering at the University of Washington, Seattle (UW), USA. At UW, she directs the THINK (Transportation-Human Interaction-and-Network Knowledge) lab (<http://depts.washington.edu/thinklab>) where she and her students study the sustainability and resilience of a city through the lens of human beings' interacting with the physical infrastructures and the built environment. Since June 2017, she has also been serving as the Program Director of the Civil Infrastructure Systems (CIS) program (https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352&org=ENG&from=home) in the Division of Civil, Mechanical & Manufacturing Innovation (CMMI) at the National Science Foundation. The work at her THINK lab is highly interdisciplinary, drawing on the latest methods and ideas in disciplines from social and natural sciences to engineering. Prof. Chen graduated from University of California, Davis with a PhD in Civil and Environmental Engineering in 2001. Prof. Chen has served on a variety of TRB (Transportation Research Board) committees including Travel Behavior and Values, Travel Survey committee, and most recently transportation network modeling committee. She has published over 50 peer-reviewed articles (<https://scholar.google.com/citations?user=dtaR0JYAAAAJ>) and her work has been supported by many federal and local agencies. She is an Associate Director of the USDOT - supported TOMNET (Teaching Old Models New Tricks) center (<http://www.tomnet-utc.org/>) and an Associate Editor for Transportation (<https://link.springer.com/journal/11116>).

Date: 19 June 2018 (Tuesday)
Time: 17:00 – 18:00
Venue: Room Z414, 4/F, Block Z,
The Hong Kong Polytechnic
University,
181 Chatham Road South,
Hungghom, Kowloon,
Hong Kong

Abstract

This talk will be divided into two parts. In the first part, I will discuss some emerging research interests within and outside the foundation, in particular, relating to sustainability and resilience research in infrastructure systems. In the second part, I will present some of my own research, from human mobility analysis to cascading failures in multiple networks.

*** All Interested Are Welcome ***

For further information, please contact Prof. Anthony Chen at Tel. 3400-8327.

Free Admission. Please reserve your seat with Ms. Connie F.Y. Lam by email: fyc.lam@polyu.edu.hk.

Certificates of attendance will be provided to participants who attend the whole seminar.