Call for Abstracts & Participation
(*Free Admission*)

International Post-Conference (HKSTS) Workshop on
"Advances in Supernetwork Modeling and Mobility Pattern Analysis"

Jointly organized by

Department of Civil and Environmental Engineering (CEE), The Hong Kong Polytechnic University
Urban Planning Group, Eindhoven University of Technology
The Hong Kong Society for Transportation Studies (HKSTS)

Time and Date: 8:30 am – 12:30 pm, December 11, 2018 (Tuesday)
Venue: Rooms Y301 and Y302, 3/F, Block Y, The Hong Kong Polytechnic University, Hung Hom, Hong Kong

Aims and Scope

This workshop aims to bring together senior scientists and young (Ph.D.) researchers in the field of supernetwork modeling and mobility pattern analysis to share their latest research. The workshop is motivated by the recent developments in transportation research related to mobility services, big data, and the modeling of complex decisions in networks. It is believed that supernetworks as a medium for modeling multi-dimensional choice problems in complex environments are powerful to capture interdependencies and deliver comprehensive mobility solutions. The workshop will offer a great opportunity for exchanging and developing ideas surrounding the theme.

We solicit presentations of both completed and on-going studies on methodological and empirical aspects of the scope abovementioned. Attendees of HKSTS (2018) and researchers from the transport network & travel behavior modeling communities are welcome to the workshop. Authors of selected extended abstracts will be invited to complete/revise their papers for consideration for publication in a special issue of a refereed international journal (*Transportmetrica A: Transport Science*).

Keynote Speakers (tentative)

Prof. Chandra Bhat/Prof. Eric Miller/Prof. Tao Zhou (*see personal biographies in the next page*)

Important Dates

September 15, 2018:　Deadline for submission of extended abstracts (500 ~ 1000 words)
October 1, 2018:　　Notification of acceptance of abstracts to the workshop
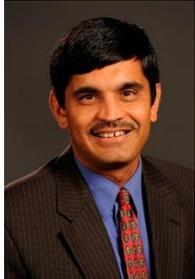December 1, 2018:　Deadline for submission of full papers (optional)

Abstracts and full papers should be submitted to the workshop secretary, Ms. Connie F.Y. Lam, by email (fyc.lam@polyu.edu.hk).

Co-organizers

Prof. William H.K. Lam (william.lam@polyu.edu.hk), CEE, The Hong Kong Polytechnic University
Dr Feixiong Liao (f.liao@tue.nl), Urban Planning Group, Eindhoven University of Technology

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

HKSTS
香港交通研究學會
Hong Kong Society for
Transportation Studies

TU/e Technische Universiteit
Eindhoven
University of Technology

Keynote Speakers (tentative)

Prof. Chandra R. Bhat is the Director of the Data-Supported Transportation Operations and Planning (D-STOP) Tier 1 USDOT University Transportation Center and the Joe J. King Chair in Engineering at The University of Texas at Austin. Prof. Bhat is a world-renowned expert in the area of transportation and urban policy design, with far-reaching implications for public health, energy dependence, greenhouse gas emissions, and societal quality of life. Methodologically, he has been a pioneer in the formulation and use of statistical and econometric methods to analyze human choice behavior. His current research includes the social and environmental aspects of transportation, planning implications of connected and automated smart transportation systems (CASTS), and data science and predictive analytics. He is a top-cited transportation researcher in the world and his students have won many national and international awards for their MS theses and dissertations. Last year, he received the 2017 Lifetime Achievement in Transportation Research and Education Award from the Council of University Transportation Centers (CUTC).

Prof. Eric J. Miller is Director of the University of Toronto Transportation Research Institute. He is also Research Director of the University's Data Management Group, which is responsible for the largest travel survey data collection and management program in Canada, and the Travel Modelling Group, which works closely with transportation agencies in the Toronto region in improving the operational state of travel demand modeling practice in the region. Prof. Miller is the recipient of the Institute of Transportation Engineers 2009 Wilbur S. Smith Distinguished Educator Award, the inaugural winner of the University of British Columbia Margolese National Design for Living Award (2012), and the IATBR Lifetime Achievement Award (2018). Prof. Miller is the developer of GTAModel, a state-of-the-art activity-based microsimulation regional travel demand modeling system used in the Toronto region to forecast travel demand. He is co-author of the textbook Urban Transportation Planning: A Decision-Oriented Approach.

Prof. Tao Zhou obtained PhD from University of Fribourg (Switzerland) in 2010, and now is a Full Professor of the University of Electronic Science and Technology of China and the director of the Big Data Research Center. His main research interests include data mining, network science, and collective mobility dynamics. He has published many research articles in prestigious journals (e.g., Physics Reports, PNAS, Nature Communication), which received >20000 citations from the Google Scholar (H-index=68). His works have been reported by several academic media as Nature News, PNAS News, MIT Technology Review, PhysOrg.com, My Science, TG Daily, Dutch Science Magazine, Chinese Science News, etc.