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), 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: The Hong Kong Polytechnic University, Hung Hom, Hong Kong (room to be confirmed)

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. Tao Zhou / Prof. Harry Timmermans / Prof. Chandra Bhat (*see personal bios 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, Hong Kong Polytechnic University

Dr. Feixiong Liao (f.liao@tue.nl), Urban Planning Group, Eindhoven University of Technology

Keynote Speakers (tentative)

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 the 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 >19000 citations from the Google Scholar (H-index=67). His works have been reported by several academic medias as Nature News, PNAS News, MIT Technology Review, PhysOrg.com, My Science, TG Daily, Dutch Science Magazine, Chinese Science News, etc.

Harry J.P. Timmermans is Professor of Urban Planning Group at TU Eindhoven. Research activities of his multidisciplinary group concern the development and application of innovative models and ICT tools for urban planning and transportation. Several projects relate to innovative ICT apps, smart cities and urban transportation. He has been awarded prestigious grants (e.g. advanced ERC), and won many (best paper) awards with his PhD students. He serves on many TRB and WCTR Committees, including the Public Transportation Marketing and Fare Policy committee. He has co-authored more than 500 publications in urban planning, transportation, artificial intelligence, marketing, and environmental psychology. Recently, he accepted several invitations to join national and international committees on smart cities and smart mobility.

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. 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).