IVT - Seminar

"Differentiated Congestion Pricing of Urban Transportation Networks with Vehicle-Tracking Technologies"
by Dr. Yafeng Yin

Friday, September 14th, 2012, 14:00-15:00hr
HIL H 37.1/2
ETH Hönggerberg, Zürich

Abstract:
In this talk, we explore a new type of congestion pricing that differentiates users with respect to their travel characteristics and charges them different amount of toll accordingly. The scheme can reduce the financial burden of travelers or lead to more substantial reduction of congestion. Given that the scheme requires tracking vehicles, an incentive program is designed to mitigate travelers' privacy concerns and entice them to voluntarily disclose their private travel information.

Presenter's bio:
Dr. Yafeng Yin is an Associate Professor at Department of Civil and Coastal Engineering, University of Florida. He works in the areas of transportation systems analysis and modeling, and has published over 50 refereed papers in leading academic journals. He is an Associate Editor for Journal of Advanced Transportation, an Area Editor for Journal of Transportation Safety and Security and serves on the editorial boards of Transportation Research Part B, Transportation Research Part C, ASCE Journal of Infrastructure Systems and International Journal of Sustainable Transportation. He is also a member of Transportation Network Modeling Committee of Transportation Research Board. Dr. Yin received his Ph.D. from the University of Tokyo in 2002, his master's and bachelor's degree from Tsinghua University in 1996 and 1994 respectively. Prior to his current appointment at the University of Florida, he worked as a postdoctoral researcher at University of California at Berkeley between 2002 and 2005. Between 1996 and 1999, he was a lecturer at Tsinghua University, Beijing.

Organizer: Dr. Monica Menendez (monica.menendez@ivt.baug.ethz.ch)

No reservation is required.

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