

セミナー開催通知

Special seminar

Title: Modeling Arterial Traffic States with Multi-Source Traffic Data

Speaker: Prof. Yao-Jan Wu, Ph.D.

Assistant Professor at Department of Civil Engineering and Engineering Mechanics, University of Arizona

Date & time: 2016/08/04, 16:00~17:30

Place: Room 102, Building 8 (North Wing), School of Engineering

Abstract: Due to recent advances in Intelligent Transportation Systems (ITS) technologies, an increasing number of public and private transportation agencies have begun to invest in traffic data collection systems. The ITS traffic data collected provides these agencies with a range of different possibilities for measuring roadway performance and improving traffic flow. However, transportation data are ubiquitous and collected from multiple sources, so full utilization of the multi-source data remains challenging because of its complexity. This presentation will talk about how to build an arterial information system using system design concepts, statistical methods and modeling techniques.

Prof. Yao-Jan Wu, Ph.D. is Associate Professor at Department of Civil Engineering and Engineering Mechanics, University of Arizona. Before joining the University of Arizona, Yao was an assistant professor at Saint Louis University (2011~2013) and postdoc at the University of Virginia (2011). Yao received his Ph.D. degree from the University of Washington, Seattle in 2010. Currently, Dr. Wu is the director of the UA Smart Transportation Laboratory and is working as Principle Investigator of the following projects: "Multi-modal Arterial Performance Measurement using Multi-source ITS Data," sponsored by the University of California Center ON Economic Competitiveness In Transportation (UCCONNECT); "Before-and-After Traffic Study for Indirect Left Turns on Grant Road, Tucson," funded by Regional Transportation Authority; App Quality Assurance and Data Examination, funded by Metropia Inc. ; "Visualizing Performance Measures with Multi-Source Traffic Data," funded by Jiangsu (Zhitong) Intelligent Transportation System Co, Ltd., and "Evaluation of Traffic Signal Communication" and "Analyzing Travel Time Data: Development of Traffic Data Quality Assurance Tool" funded by the Arizona Department of Transportation.

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