

AUTOMATING SPECIAL GENERATOR TRAFFIC COUNTS USING VIDEO AND WiFi/BLUETOOTH DETECTION

Friday, October 26, 2018 10:30 - 11:45 AM (US Arizona)

College Avenue Commons (CAVC) Room 333 (Parking)



Dr. Peter R. Stopher

Professor Emeritus of Transport Planning

**Institute of Transport & Logistics Studies
University of Sydney, Australia**

About the Talk

The Louisiana Department of Transportation and Development believes that the trip generation rates in the ITE Handbook are not accurate for Louisiana and commissioned Louisiana State University (LSU) through the Louisiana Transportation Research Center (LTRC) to undertake a study of trip generation rates for strip malls. As part of this effort, LSU is attempting to find a satisfactory automated method to count arrivals and departures for a specific site. After experimentation with several devices, the decision was made to use a combination of video cameras and Wi-Fi/Bluetooth detection devices to count vehicles and devices at a sample of sites. In this seminar, Dr. Stopher will describe the methods used and present an analysis of the counts obtained to date. The method appears to show considerable promise for future similar measurements of traffic flows, and some of these potentials are also discussed.

About the Speaker

Prof. Stopher is Emeritus Professor of Transport Planning at the Institute of Transport and Logistics Studies, University of Sydney, having retired from his full-time position on January 2, 2015. He was educated at the University of London, where he received both his B.Sc. (Eng.) in Civil and Municipal Engineering and Ph.D. in Traffic Studies. He was Professor of Transport Planning at the Institute of Transport and Logistics Studies in the University of Sydney Business School for 14 years. He has been a professor at Northwestern University, Cornell University, McMaster University, and Louisiana State University, where he held the endowed chair of the Louisiana Land and Exploration Company. He spent 11 years from 1980 through 1990 as a full-time transportation-planning consultant in private industry. Prof. Stopher has over 53 years of professional experience in transportation planning, travel forecasting, travel-behaviour modelling, survey design, and associated areas.

This seminar is webcast live to a worldwide audience by ASU Engineering – Global Outreach and Extended Education (GOEE). To access the live webcast and archive of previous seminar recordings, please visit: <http://links.asu.edu/ASU-Transportation-Seminar>

Light refreshments will be served. Event is open to the public.



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