

ASCE MINI-WEBINAR

In-vehicle Black Box Camera, a New Source of Traffic Safety Analysis.

By Dr. Jason So

ABSTRACT

An in-vehicle black box camera has been recently introduced and popularly deployed among private vehicles, mostly in East Asia countries. This vehicle-mounted camera records video images and sound, but it also collects vehicle's kinematic information such as speed and acceleration. This is likely to be beneficial to reconstruct crash situations and understand the causes of crashes. The Incheon Taxi Mutual Aid Association in South Korea recently deployed black box devices to their taxi vehicles to better respond to possible legal issues when crashes occur. Two years (2010-2011) of data collected by this organization were used to understand crash situations and investigate the factors significantly affecting the severity level of taxi-pedestrian crashes, by extracting explanatory variables from the black box video data. The seminar will talk about the potentials and challenges of the in-vehicle black box data as a new source of traffic safety analysis.

WHEN

11:00 – 12:00 pm ET, Wednesday, Apr. 6, 2016

WEB URL

<https://sas.illuminate.com/m.jnlp?sid=2008268&username=&password=M.D44F2CEA51E637707CEC3FEC37201>

SPEAKER



Dr. Jason So is currently a research associate in the Chair of Traffic Engineering and Control at Technical University of Munich (TUM), Germany. He received his B.S. and M.S. degrees in Transportation Engineering from Ajou University in South Korea, and Ph.D. in Civil and Environmental Engineering from the University of Virginia (UVA), USA. After his Ph.D., he worked for Florida Atlantic University as a postdoctoral research associate, and now is working for TUM as a research team leader. His specialties include traffic operations and management, safety, ITS, and Connected Vehicles.

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