

Institute of Transportation Engineers Arizona State University



School of Sustainable Engineering and the Built Environment *Transportation Seminar Series*

Federal Highway Administration's (FHWA) Safety and Driver Behavior Research

C. Y. David Yang, Ph.D.
Federal Highway Administration

Date: Wednesday, March 26, 2014

Time: 11:00 AM— Noon

Location: ERC 490 (Parking)

Lunch will be provided



Speaker

Dr. C. Y. David Yang is the Human Factors Team Leader with U.S. Department of Transportation (USDOT), Federal Highway Administration's (FHWA's) Office of Safety R&D. He leads a multi-disciplinary team at FHWA's Turner-Fairbank Highway Research Center in McLean, Virginia to conduct transportation safety studies. Dr. Yang and his team are doing research to gain better understanding of the relationship between roadway and other transportation infrastructures on driver behavior and performance so improvements can be made to enhance travel safety. Prior to joining FHWA, David worked in private consulting firms and USDOT's Volpe National Transportation Systems Center. Dr. Yang has authored/co-authored more than forty journal articles, conference papers, and government reports on subjects related to transportation safety, operations, planning, and Intelligent Transportation Systems. He is the current chairperson of Transportation Research Board's User Information Systems Committee (AND20). He also serves on the editorial board of the Journal of Intelligent Transportation Systems. Dr. Yang attended Purdue University and received his Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in the field of civil engineering. His doctoral dissertation used principles of human information processing and human factors to develop design recommendations for Advanced Traveler Information Systems/In-Vehicle Navigation Systems.

Abstract

Federal Highway Administration (FHWA), an agency within the U.S. Department of Transportation, is responsible for ensuring that America's roads and highways continue to be among the safest and most technologically sound in the world. FHWA has invested many resources to conduct research in various transportation areas. This presentation will discuss a selection of research projects to showcase FHWA's effort to enhance transportation safety by gaining a better understanding of the capabilities and limitations of road users and improving transportation infrastructure designs to minimize human errors.

ALL ARE WELCOME!