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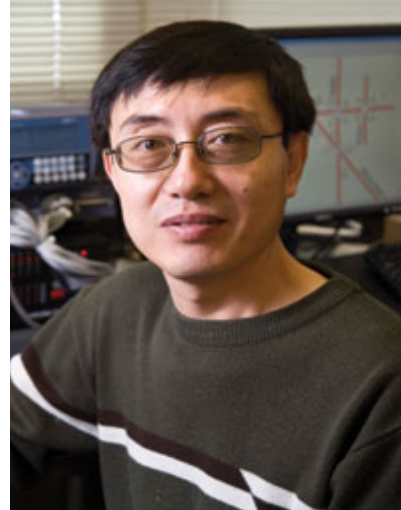
Department of Civil and Environmental Engineering Distinguished Seminar Series

Innovative Approaches and Tools for Signal Timing and Coordination

Zong Tian

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Wednesday, June 20, 2018
4:30 p.m.
135 Shillman Hall



Abstract

Innovative Approaches and Tools for Signal Timing and Coordination will introduce a first-of-its-kind mobile signal timing tool through several case studies. Some unique features of this tool include developing optimized coordination timing plans without traffic volumes, virtual real-time dynamic time-space diagrams, collecting synched GPS and videos, and reporting Quality of Signal Timing Index based on vehicle trajectories.

Biographical Sketch

Dr. Zong Tian joined the University of Nevada Reno in 2004 and is currently an associate professor and the founding director of the Center for Advanced Transportation Education and Research (CATER). He obtained his Ph.D. degree from Texas A&M University. Dr. Tian is active in several transportation professional organizations. He has been a member of two committees of the Transportation Research Board (TRB): the Highway Capacity and Quality of Service Committee, and the Traffic Signal Systems Committee. He is the paper review chair for the Highway Capacity and Quality of Service Committee of TRB, handling over 60 paper reviews each year. He is member of the Scientific Committee of the World Conference on Transport Research Society (WCTRS). He chairs the Special Interest Group (SIG-C2) focusing on Urban Transport Operations. He has been serving as a co-organizer for the International Conference on Traffic and Transportation Studies (ICTTS) since 2004 and has been the co-editor of the conference proceedings. His specialty area is in traffic signal systems and operations, highway capacity, and integrated freeway and arterial operations. Tian received the Young Consultant Award from ITE in 1997.