



TTS LAB WEBINAR #6

ALEXANDRA KONDYLI

Studying driver behavior, driver variability, and user characteristics to improve traffic models and tools

During this seminar we will present some past and ongoing study results that examine the effect of driver behavior on traffic flow stability and safety, with a particular focus on the investigation of driver variability. Research advances in incorporating human factors into driver behavior models will also be discussed. Lastly, this presentation will conclude with recent efforts to improve accessibility for underrepresented groups.

Speaker bio

Dr. Alexandra Kondyli is an Associate Professor of Transportation Engineering in Civil, Environmental and Architectural Engineering at the University of Kansas. Dr. Kondyli's research interests include traffic operations and management, highway capacity, microsimulation, driver behavior, connected and automated vehicles, and traffic flow theory. Prior to her appointment at the University of Kansas, Dr. Kondyli was a postdoctoral associate at the University of Florida Transportation Research Center. Dr. Kondyli has worked on research projects funded by Kansas DOT, Florida DOT, FHWA, USDOT, the National Science Foundation (NSF), and by the National Cooperative Highway Research Program (NCHRP). She has authored and co-authored more than eighty publications, presentations and reports related to traffic operations, simulation, highway capacity, safety, and driver behavior. Dr. Kondyli is currently a member of the Standing Committee on Highway Capacity and Quality of Service (ACP40) of the Transportation Research Board (TRB), the Chair of its Uninterrupted Flow Subcommittee, and a member of the Standing Committee on Road User Measurement and Evaluation (ACH50) of TRB. She also has consulting experience in the fields of traffic operations, geometric design and roadway safety. Dr. Kondyli received her Graduate Diploma in Rural and Surveying Engineering from National Technical University of Athens, Greece, in June 2003. She received her M.S. degree in 2005 and her Ph.D. degree in 2009 in Civil Engineering from University of Florida, Gainesville, Florida.

DATE
26 OCT'2021

TIME
13:00 – 14:00 CET

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