

Transportation Engineering and Safety Conference

Pre-conference Workshop

Traffic Engineering Software Exchange

Moderator: David A. Petrucci, Jr., P.E., PTOE, Traffic Discipline Leader, Borton-Lawson

Presenters: David Hale, Ph.D., Assistant in Engineering, McTrans Center, University of Florida

Matthew Juckes, Senior Project Manager, Transportation Simulation Systems, Inc.

Steve Perone, President, PTV America, Inc.

Bill Sampson, P.E. Director, McTrans Center, University of Florida

Jongsun Won, P.E. Senior Associate, North America Division, PTV Group

We are pleased to offer this 4-hour workshop and opportunity for exchange, presentation, and discussion with several traffic engineering software providers. Come and learn more about the latest changes and capabilities afforded by several of the leading analysis and traffic simulation software packages used by the industry throughout Pennsylvania, the nation, and abroad. This workshop has been organized in order to facilitate discussion with several of the leading national vendors and their internationally-recognized experts.

Presentations will be provided on the latest version of several leading software packages, including AIMSUN™, HCS2010™, TRANSYT7F™, TSIS/CORSIM™, VISSIM™, VISUM™, and VISTRO™.

The intended audience includes traffic engineers, modelers, managers, and planners who are interested in an overview of the newest features of these software packages, as well as some of the notable details, without getting into a more in-depth, product-specific training event.

This will be a presentation-led event. No computer training will be conducted. Presentation material will be provided as handouts. Space is limited.

Moderator Biography:

David A. Petrucci, Jr., P.E., PTOE is a Senior Traffic Engineer and Traffic Discipline Leader with Borton-Lawson in Bethlehem, PA where his responsibilities include business development and oversight of the firm's Traffic Engineering Group. He specializes in traffic operations and design, simulation modeling, and safety studies. Mr. Petrucci is a member of the Executive Committee of the Institute of Transportation Engineers (ITE) Traffic Engineering Council and serves as National Co-Chair for the ITE Simulation and Capacity Analysis User Group (SimCap). Mr. Petrucci is Secretary of the TRB User Liaison Subcommittee of the Highway Capacity and Quality of Service Committee (HCQS).

Presenter Biographies:

David K. Hale, Ph.D. is a research and development faculty member within the University of Florida's Transportation Institute, containing the Transportation Research Center and the McTrans Center. His job responsibilities include participation in funded research projects, development of McTrans software, and technology transfer to the industry. His service includes contributions to the TRB Joint Simulation Subcommittee, TRB Highway Capacity and Quality of Service Committee, ITE Intelligent Traffic Signal Operations Committee, ITE Simulation and Capacity User Group, and the UF Parking and Transportation Committee.

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Matthew Juckes is a Senior Project Manager with Transportation Simulation Systems, Inc. with 17 years of experience in transportation simulation, travel demand modeling, traffic engineering, and traffic impact analysis. He received his B.Eng from McGill University in Montreal Canada. Prior to working for TSS, Inc., Mr. Juckes has held the position of Senior Transportation Engineer at AECOM, and Stump/Hausman Partnership, and has work on projects across the country and in Canada. Mr. Juckes is the TSS Project Manager for the San Diego Integrated Corridor Management Pilot Project; one of two United States Department Of Transportation (USDOT) and Federal Highway Association (FHWA) funded pilot projects. This project represents a first of its kind application and has recently been selected as a finalist as ITS America 2013 Best of ITS Awards.

Steve Perone is President of PTV America, Inc., joining the company in 2006. Mr. Perone is responsible for PTV's North American business operations which include software sales, support, training, product management and professional service delivery. He has over 20 years of public and private sector experience and earned a solid track-record of success related to his expertise in the development and application of a transportation forecasting and simulation models for policy assessment; innovative transportation planning and traffic engineering application development and analysis. Mr. Perone has a proven ability to effectively form, lead, communicate with and contribute on diverse multi-disciplinary teams. He holds a B.S. in Business Administration (finance/law) from Portland State University.

William M. Sampson, P.E. is a faculty member of the University of Florida (UF) Department of Civil Engineering with over 35 years of experience. He is the Director of the McTrans Center and also is responsible for technical assistance and ongoing development of the Highway Capacity Software (HCS). He teaches two graduate courses (Traffic Engineering and Highway Capacity Analysis) at UF. He is a member of several Transportation Research Board (TRB) Highway Capacity and Quality of Service (HCQS) subcommittees.

Jongsun Won is Senior Associate for North America division of the PTV Group. Jongsun has been with PTV for more than 6 years. Jongsun's roles at PTV include sales, training, technical support, account management, etc. Jongsun's experiences include multi-resolution modeling, multi-modal corridor analysis, corridor operational analysis, advanced signal operational analysis (Transit Signal Priority, hardware-in-the-loop), intersection capacity analysis, etc. Jongsun also manages numerous customer accounts and provide technical guidance of actual project tasks. Jongsun's expertise is in the simulation modeling of various traffic conditions by using Vision Traffic Suite software package (PTV Vissim, PTV Visum, PTV Viswalk, and PTV Vistro). Jongsun is a Professional Engineer, and he holds a M.S. Civil Engineering from the University of Virginia.