

Catastrophes & Complex Systems: **TRANSPORTATION**



March 31, 2011 – 10:30AM

The Role of Transportation Systems in Large-Scale Event Evacuation

Although most event venues maintain highly sophisticated building evacuation procedures, many of these plans fail to address the high-levels of coordination, communication and planning required to evacuate outlying areas. This panel will address the common challenge of coordinating the safe and rapid evacuation of a venue in the event of an emergency.

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Yi-Chang Chiu - Developing Traffic Evaluation Strategies for Large-Scale Public Events

- Associate Professor at the Department of Civil Engineering and Engineering Mechanics at the University of Arizona (UA).
- He received his Ph.D. degree in transportation engineering from the University of Texas at Austin in 2002.
- From 2005 to present, Dr. Chiu serves as the lead consultant to FHWA on the Dynamic Traffic Assignment (DTA) program, under which the developed DTA model DynusT has been considered one of the most powerful multi-modal vehicular traffic simulation models for large-scale evacuation modeling.
- To date, DynusT has been used by more than 20 agencies.

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Jeff Wojtowicz - The Role of Transport in Responding to a Catastrophe at a Planned Event

- Senior transportation research engineer at the Center for Infrastructure, Transportation and the Environment at Rensselaer Polytechnic Institute (RPI) in Troy, NY.
- BS and MS degrees in Civil & Environmental Engineering from RPI.
- Project Manager for research that resulted in the ITS America “Best of ITS” award in the area of Research and Innovation for a real-time route guidance project and four project of the year awards from ITS-New York.
- Serves as a project and technical manager for transportation related projects including emergency response from planned events and traffic incident management.

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Scott Parr - Utility of a Transit-Signal Priority for No-Notice Urban Emergency Evacuation

- Received an undergraduate DHS Summer Research Internship regarding urban evacuations.
- Research assistantship at the Center for Intermodal Transportation Safety and Security located at Florida Atlantic University (FAU).
- Received an International Study Abroad Internship, traveling to Cologne, Germany to conduct research on First Responders and Transit Disasters.
- He is currently conducting research at the Gulf Coast Center for Evacuation and Transportation Resiliency at Louisiana State University.