

# The Role of Transportation in Large-Scale Event Evacuation

Moderator: Mike Matthews (DHS S&T)

## **Yi-Chang Chiu, University of Arizona**

- Reversible lane and detouring effect for minimizing traffic conflict and maximizing throughput
- Various combinations and configurations exist and manual decision maybe difficult and sub-optimal
- Network modeling technique useful for designing optimal zone-based evacuation strategies and configurations

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## **Jeffrey Wojtowicz, Rensselaer Polytechnic Institute**

- The Role of Transport in Responding to a Catastrophe at a Planned Special Event
- Summary: Traffic micro-simulation and real-time data collection at a planned special event
- Project purpose
  - Traffic micro-simulation
  - Real-time data collection technologies
  - Using both traffic micro-simulation and real-time data for traffic management during a major incident at the NYS Fair

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## **Scott Parr, Louisiana State University**

- Transit Signal Priority restricted to evacuation routes may reduce average personal vehicle travel time
- Transit vehicles can receive up to 25% reduction in travel time with signal priority
- Results suggest Transit Signal Priority does not significantly hinder evacuation clearance times and should be considered for urban evacuation