



EDUCATIONAL MEETING #9

Thursday, July 15th, 2021 | 12:00 – 1:30 pm [CST]

[Registration link](#)

1. General Information

- This educational meeting will be held virtually. Please register for the meeting beforehand, using the [following link](#).
- A certificate for one (1) professional development hour (PDH) will be e-mailed to attendees shortly after the meeting.
- *Let's keep SimCap Louisiana active and engaged!*

2. Agenda

Time	Item/Description
12:00 – 12:15 PM	<p>Welcome and SimCap Updates</p> <p>Christopher Melson Program Manager LTRC</p> <p>Mr. Melson will provide general updates—which may include updates from the Chapter, ITE SimCap Committee, and/or the TRB Joint Simulation Subcommittee (SimSub).</p>
12:15 – 12:45 PM	<p>Simulation in the '90s – Advancement of the Field</p> <p>David Hale Senior Transportation Project Manager Leidos, Inc.</p> <p>Following last meeting's retrospective by Mr. Yedlin on traffic simulation in the 1970s and 1980s, Dr. List and Dr. Hale will present the most critical advancements in traffic simulation that occurred in the 1990s. Topics will include: integration of Netsim and Fresim into Corsim, models embedded with signal timing tools, easier drawing/development of link-node networks, customization of tools for consistency with the Highway Capacity Manual, growth of the private sector microsimulation market, research developments in dynamic traffic assignment, among others.</p>
12:45 – 1:15 PM	<p>Integration of Highway Safety Manual Methods into TransModeler</p> <p>Tom Creasey Vice President of Transportation Engineering Caliper</p> <p>The Interactive Highway Safety Design Model (IHSDM) was developed to automate the Part C crash prediction methods in the Highway Safety Manual (HSM). While it has been helpful to automate these methods, the IHSDM (and similar software) is cumbersome to use. Under contract with the Ohio DOT, Caliper Corporation has integrated HSM crash prediction methods into its TransModeler microscopic traffic simulation software. This presentation will discuss this integration, its functionality, and features.</p>
1:15 – 1:30 PM	<p>Core Competencies of a Traffic Analysis, Modeling, and Simulation Practitioner</p> <p>Christopher Melson Program Manager LTRC</p> <p>Traffic analysis, modeling, and simulation (TAMS) has evolved rapidly, placing increasing demand on practitioners to: utilize new data sources in model development, analyze complicated mitigation strategies, and use new software tools. This presentation will discuss an initial, national set of core competencies of a TAMS practitioner – and solicit feedback for refinement.</p>