

2.2.3

GIS to Support Transportation Research

Presenter

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Co-Presenter

The presentation highlights a variety of UMTRI transportation research projects supported by spatial and GIS tools. Projects presented include (3) vehicle safety system field operational tests, law enforcement, GIS to mine naturalistic driving data for crash surrogates, driver behavior and teen driving.

Bio(s):

Michelle A. Barnes, BSCE, MPS, MSGIS
Senior Research Engineer
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Ms. Barnes is a Senior Research Engineer in the Engineering Systems Group and works closely with the Transportation Data Center at UMTRI. She has 24 years experience in transportation engineering encompassing both transportation agency experience and applied research, and is a recognized expert in the area of roadway data fusion and analysis of spatial data using geographic information system tools. She is also the lead expert within UMTRI for map databases that characterize roadway attributes.