



Sarah Hernandez, PhD, P.E.
Associate Professor
Transportation Systems Engineering

wordpressua.uark.edu/sarahvh
sarahvh@uark.edu
479-575-4182



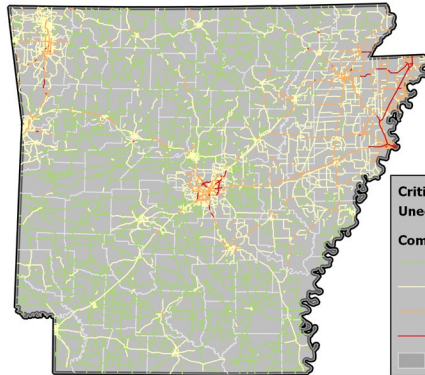
Outreach

- Institute of Transportation Engineers (ITE) Student Chapter
- STEM Summer Camps
- Driving simulators and computer games for education



Intelligent Transportation Systems

- *Applications* for advanced truck and freight characterization through novel sensor design.
- *Projects* funded by National Science Foundation CAREER Award, NSF ICorp, and UofA Chancellors Commercialization Fund.



Freight Planning

- *Applications* for freight forecasting using new data and novel uses of existing data; transportation system resilience.
- *Projects* funded by Arkansas Department of Transportation, US Army Corp of Engineers, and Maritime Transportation Research and Education Center.



Transportation Safety

- *Applications* for seat belt use, safety campaign awareness, and truck driver behavior with Autonomous Trucks.
- *Projects* funded by the Arkansas State Police Highway Safety Office via the National Transportation Safety Administration.