Automated, Connected, Electric, Shared, Safe Mobility
ACES² Mobility Opportunities for ATI

- Automated Mobility
- Connected Mobility
- Electric Mobility
- Shared Mobility
- Safe Mobility
Indy Autonomous Challenge

- UA is partnered with The University of Milan – one of the top universities in the world.
- Object is to deploy software to drive a standard issue racecar at high speeds under challenging performance conditions.
- “Performance autonomy” can be an area of international collaboration and world leading strength.

Friday April 29, 2022  Daily Mail

Robo-car breaks the world speed record! Fully autonomous PoliMOVE vehicle reaches an incredible 192.2mph on the Space Shuttle airstrip at NASA's Kennedy Space Center

- The car is a Dallara-built AV-21 that has hardware to enable automation
- It took to the track on the Space Shuttle airstrip in Cape Canavera on April 27
- The speed of 192.2mph was obtained as an average of over 0.6 miles (1km) in two consecutive attempts in opposite directions, to eliminate the effects of the wind

A robotic car has broken the world speed record, reaching impressive speeds of 192.2mph (309.3kph).

The car, developed by a team from the Politecnico di Milano, called PoliMOVE, is fully autonomous and took to the track on the Space Shuttle airstrip at NASA's Kennedy Space Centre this week.

During the test drive, the racecar clocked speeds of 192.2mph (309.3kph), smashing the previous record of 175.49mph (282.42kph), held by Roborace.
ACES$^2$ Mobility Opportunities for ATI
ACTION Project

• Tuscaloosa County Alabama
• $16.8M 5 year project
• Smart infrastructure
• Vehicle to infrastructure communication
• Automated traffic flow management
• Autonomous freight delivery
• Specific technologies:
  • Fiber optics
  • Deep learning camera detection
  • DSRC Radios and Cellular communication
  • Advanced data-loggin traffic controllers
  • Active signal control
  • Traffic management centers
  • Crowdsourced probe data
ALDOT West Central Regional Traffic Management Center

- Located on UA Campus
- 24/7 Operation
- Staffed by ALDOT Engineers and Regional Traffic Operation Program (RTOP) staff
- **Goal:** Enhance traffic flow and safety, while reducing vehicle emissions and congestion through improved signal timing
ACES\textsuperscript{2} Mobility Opportunities for ATI

- Automated Mobility
- Connected Mobility
- Electric Mobility
- Shared Mobility
- Safe Mobility
Alabama Mobility and Power (AMP) Center

FOCUS
- Electric vehicles
- Battery storage
- Electric/Connected infrastructure

ADVANTAGE
- Workforce development
- Talent attraction
- Industry solutions
- New technology commercialization
- New energy-tech start ups
ACES² Mobility Opportunities for ATI

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Mission Statement

Rural Transportation

Eufaula County Rural Transportation is committed to providing transportation to the citizens of Eufaula County for a minimal fee. We transport individuals to a variety of daily appointments such as kidney dialysis, physical therapy, cancer treatments, shopping, work, or simply to visit with family or friends. Our services are developed primarily through a demand-response basis with the public. If you are interested in inquiring more about our services, please contact our office for details. If you have never utilized our public transit system, be sure to notify our scheduler and your driver that you are a first-time ride so they can allow for additional time to assist you in learning how to independently use our transit system. We want your experience to be a positive and enjoyable one.

About Us

Eufaula County Rural Transportation is provided by the Eufaula County Commission, Federal Transportation Administration grants which are administered by the Alabama Department of Transportation, and the fares that we receive.

EUTF has a ZERO Tolerance Policy on substance abuse, harassment, discrimination, and is an equal opportunity employer.

The Alabama-Tombigbee Regional Commission represents Choctaw, Clarke, Conecuh, Dallas, Marengo, Monroe, Perry, Sumter, Washington, and Wilcox Counties.
Transportation Policy Research Center

- 4 full time staff researchers (law & economics)

- 31 policy reports (plus peer-reviewed publications)
  - Legislative Summaries
  - Texting Laws
  - Electric Vehicles
  - Port Funding Opportunities
  - Cybersecurity
  - Pandemic Impacts
  - MSA Designations
  - County Level Statistics

- 2 Web Interactives
  - Metropolitan Planning Organizations
  - Memorial Toll Bridges
ACES² Mobility Opportunities for ATI

- Automated Mobility
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- Electric Mobility
- Shared Mobility
- Safe Mobility
Center for Advanced Public Safety

- Electronic traffic citations
- DUI reports
- Crime reports
- Crash reports
- Person lookups/DL Photos
- Commercial vehicle enforcement
- Titles
- State vehicle registration repository
- Ambulance run reports
Questions & Discussion