



<b>UTC Project Information</b>	
Project Title	How Vehicle Connectivity based Eco-Routing Choices Will Impact on Driver Decision Making
University	The University of Michigan
Principal Investigator	Shan Bao; Jim Sayer
PI Contact Information	<a href="mailto:shanbao@umich.edu">shanbao@umich.edu</a> ; <a href="mailto:jimsayer@umich.edu">jimsayer@umich.edu</a>
Funding Source(s) and Amounts Provided (by each agency or organization)	\$25,000 (from Argonne National Lab) \$65,210 (from CCAT)
Total Project Cost	\$90,210
Agency ID or Contract Number	69A3551747105
Start and End Dates	1/1/2019 – 12/31/2022
Brief Abstract of Research Project	The development of advanced technologies has provided options of energy-saving route alternatives, Eco-routing choices. Eco-routing is the identification of the most energy-efficient route for a vehicle to travel between two points and is offered as a way in which drivers can reduce fuel consumption and consequently reduce the carbon footprint of their journeys. This work proposes methods of assessing and modeling how vehicle connectivity based eco-routing choices impact on drivers' decision making when provided with different sources of information.
Most Relevant CCAT Research Thrusts (choose all applicable)	<input checked="" type="checkbox"/> Enabling Technology <input checked="" type="checkbox"/> Planning and Policy <input checked="" type="checkbox"/> Human Factors <input type="checkbox"/> Infrastructure Design and Management <input type="checkbox"/> Control and Operations <input type="checkbox"/> Models and Implementation
Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here	Within the project, Eco-route choice App will be developed, implemented and evaluated in Android-based phones through a field test. In addition, interested industry or government agencies can access to the App that will be developed and examined in this study.

Impacts/Benefits of Implementation (actual, not anticipated)	We anticipate that the vehicle connectivity based eco-route choice options can reduce fuel consumption significantly, as well as to improve transportation mobility and safety.
Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project website</li></ul>	<a href="http://ccat.umtri.umich.edu">ccat.umtri.umich.edu</a>