



UTC Project Information	
Project Title	Construction of “Driving Etiquette” database
University	University of Michigan (Ann Arbor)
Principal Investigator	Huei Peng
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Funding Source(s) and Amounts Provided (by each agency or organization)	\$150,000—US DOT
Total Project Cost	\$150,000
Agency ID or Contract Number	69A3551747105
Start and End Dates	Sep 1, 2017 – December 2019
Brief Abstract of Research Project	The “Driving Etiquette” concept aims to establish statistics from large quantity of naturalistic driving data, and use the finding to ensure autonomous vehicles drive “like safe human drivers”. The motivation is from the observation that Google cars have been involved in 15 crashes over its first 1.4 million miles. This is about four times more frequent than human drivers’ crash statistics. We hypothesize that if highly autonomous vehicles behave more like “normal” human drivers, they can operate more seamlessly in the traffic, and the crash rate may improve. “Learning etiquette” involves collecting a large amount of video data, and use the data to train algorithms to learn about “what is appropriate”.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	Project just got started, no implementation yet.
Impacts/Benefits of Implementation (actual, not anticipated)	N/A
Web Links <ul style="list-style-type: none">• Reports• Project website	