

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Optimal driving of autonomous vehicle platoons on arterial streets to reduce fuel consumption
University	University of California, Davis
Principal Investigator	Michael Zhang
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Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$176,257 Caltrans and UCD: \$89,545
Total Project Cost	\$265,802
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	Start date: 10/01/2017 End date: 06/30/2019
Brief Description of Research Project	This research develops optimal driving strategies for platoons of autonomous vehicles to travel through signalized intersections with minimal fuel consumption, and low travel delay and emissions.
Describe Implementation of Research Outcomes (or why not implemented) Place Any Photos Here	This research addresses a future technology that is not yet ready for implementation, but the research showed great potential for this new technology: it shows that a remarkable reduction of fuel and travel time can be achieved by optimizing the driving pattern of autonomous vehicle platoons through a traffic signal.
Impacts/Benefits of Implementation (actual, not anticipated)	No implementation was carried out.
Web Links • Reports • Project website	http://ctech.cee.cornell.edu/final-project-reports/