

Grant Deliverables and Reporting Requirements for UTC Grants

UTC Project Information	
Project Title	Evaluating the Efficiency and Health Impacts of Next-Generation Transit System Design with Integration of Shared Mobility Services
University	University of California Davis
Principal Investigator	Yueyue Fan
PI Contact Information	yyfan@ucdavis.edu
Funding Source(s) and Amounts Provided (by each agency or organization)	USDOT: \$59,940 UC Davis: \$30,249
Total Project Cost	\$90,189
Agency ID or Contract Number	Sponsor Source: Federal Government CFDA #: 20.701 Agreement ID: 69A3551747119
Start and End Dates	<div style="display: flex; flex-direction: column; gap: 5px;"> <div> Start date: 12/1/2017</div> <div> End date: 9/30/2018</div> </div>
Brief Description of Research Project	In the new mobility-as-service context, we envision that traditional system design principles of transit services shall be revisited to improve the overall system effectiveness. In the proposed research, we will develop an integrative approach to identify effective transit resource allocation strategies, where private mobility services coexist. Effectiveness will be measured by costs, social equity, environmental benefits and health benefits gained from active lifestyle. A network-based multi-agent optimization model will be developed to reflect different interests of stakeholders of the system. A real-world case study will be implemented to learn design and policy insights.

<p>Describe Implementation of Research Outcomes (or why not implemented)</p> <p>Place Any Photos Here</p>	
<p>Impacts/Benefits of Implementation (actual, not anticipated)</p>	
<p>Web Links</p> <ul style="list-style-type: none">• Reports• Project website	