

UTC Project Information	
Project Title	Creating a Roadmap for Safe-D Research Themes and Application Areas: Future Directions in Disruptive Technology and Safety
University	Texas A&M Transportation Institute
Principal Investigator	Johanna Zmud
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Funding Source(s) and Amounts Provided (by each agency or organization)	\$46,225 Safe-D (Federal)
Total Project Cost	\$46,225
Agency ID or Contract Number	Grant No: 69A3551747115 Project: TTI-01-06
Start and End Dates	5/1/2017 – 8/31/2017
Brief Description of Research Project	This project will examine disruptive technologies that could address critical transportation safety challenges in future years. Coined in 1997, a disruptive technology is one that displaces an established technology and shakes up the industry or is a ground-breaking product that creates a completely new industry (Christensen, 1997). Examples of disruptive technologies include the personal computer (PC) that displaced the typewriter and e-commerce retailing that displaced brick-and-mortar stores. In transportation, disruptive technologies include navigation systems that have replaced paper maps and the Uber app that enabled a unique facilitated network business model to create a new ride hailing industry. The defining feature of disruptive technologies is that they involve transformational change (Bratton, 2015).
Describe Implementation of Research Outcomes (or why not implemented)	Final Research Report to be distributed to Safe-D Leadership Team and published online for Safe-D Researchers to review.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	Objective: <ul style="list-style-type: none"> • Better articulate our current themes • Rationale for combining CV & AV into one and/or broadening existing categories • Identify safety issues within existing themes and develop problem statements for strategic / directed projects • Identify emerging disruptive technologies that affect safety we should consider adding in future years

Web Links

- Reports
- Project website