

<b>UTC Project Information</b>	
Project Title	Examining Senior Drivers Adaptation to Level 2-3 Automated Vehicles: A Naturalistic Study
University	Virginia Tech
Principal Investigator	Jon Antin, Ph.D., CHFP
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Funding Source(s) and Amounts Provided (by each agency or organization)	<ul style="list-style-type: none"> <li>• Safe-D UTC (Federal): \$137,506</li> <li>• Match (VT Labor): \$83,197</li> <li>• Match (NSTSCE): \$54,560</li> </ul>
Total Project Cost	\$275,263
Agency ID or Contract Number	Grant No: 69A3551747115 Project: 03-040
Start and End Dates	12/1/17-11/30/18
Brief Description of Research Project	This effort examines senior drivers' adaptation to vehicles with mixed function automation by providing a total of 24 drivers aged 70-79 with one of eight vehicles with mixed level automation for a period of 4 weeks of naturalistic driving. Senior drivers' comfort level with and adjustment to the vehicle will be assessed through surveys, weekly phone interviews and focus group sessions.
Describe Implementation of Research Outcomes (or why not implemented)  Place Any Photos Here	<p>1) IRB protocol was submitted December 18, 2017 and is slated for full board review in January 2018.</p> <p>2) Educational and Workforce Development: This project will enrich Dan's coursework in a variety of ways. It will afford her the opportunity to gain hands-on research experience, especially in the collection of in situ data from real drivers in the field. It will afford her the opportunity to work with and better understand not only the autonomous vehicles themselves, but also the problems which can emerge as drivers interact with these novel technologies. This project will enrich her ability to collect and analyze survey and focus group data, as well as collecting vehicle kinematics data for analysis in a subsequent project. All of this will provide data suitable for Dan to use for her dissertation research.</p> <p>3) Technology transfer: The outputs from this study may be helpful to OEM and governmental stakeholders in developing guidelines or best practices in terms of AV technology transfer to this ever-growing and ever-evolving subset of our population.</p>

Impacts/Benefits of Implementation (actual, not anticipated)	The outputs from this study may be helpful to OEM and governmental stakeholders in developing guidelines or best practices in terms of AV technology transfer to this ever-growing and ever-evolving subset of our population.
Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project website</li></ul>	