

<b>UTC Project Information</b>	
Project Title	Impacts of Connected Vehicle Technology on Automated Vehicle Safety
University	Virginia Tech (VTTI)
Principal Investigator	Tom Gorman
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Funding Source(s) and Amounts Provided (by each agency or organization)	Ericsson (Industry partner) - \$76,245 in cash Ericsson (Industry partner) - \$146,400 in kind UTC - \$116,810
Total Project Cost	\$339,455
Agency ID or Contract Number	Grant No: 69A3551747115 Project: 04-100
Start and End Dates	3/10/2019 – 3/10/2020
Brief Description of Research Project	The purpose of this proposed effort is to conduct a focused effort which leverages the SHRP2 Naturalistic Driving Study to estimate the potential impact of connectivity on safety for future on automated driving systems (ADS) in transportation.
Describe Implementation of Research Outcomes (or why not implemented)	The expected implementation is as follows: For a selection of SHRP2 events, researchers will run simple and detailed simulations with several different models of ADS with and without CVT. Researchers will estimate the potential benefits of CVT when incorporated into different ADS. Researchers will identify the scenario types for which simulations indicate that CVT will be beneficial from a safety perspective.
Place Any Photos Here	
Impacts/Benefits of Implementation (actual, not anticipated)	The anticipated impacts/benefits are as follows: This research will help inform consumers on the potential benefits of integrating connected vehicle technologies into automated vehicle systems. State and federal transportation entities will be able to use the results of this study to make informed decisions regarding policy on connected vehicle systems. Automotive OEMs and automotive technology developers will be able to make more informed decisions regarding the safety of their products.
Web Links	<a href="https://www.vtti.vt.edu/utc/safe-d/index.php/projects/impacts-of-connected-vehicle-technology-on-automated-vehicle-safety/">https://www.vtti.vt.edu/utc/safe-d/index.php/projects/impacts-of-connected-vehicle-technology-on-automated-vehicle-safety/</a>
<ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul>	