



CENTER FOR CONNECTED AND AUTOMATED TRANSPORTATION

Project Title	Anomaly/Intrusion Detection: Design, Development and Testing	
PI (Up to 2)	Dave LeBlanc	
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Institution:	University of Michigan	
Department:	UMTRI	
Industry or Government Principal, organization, and contact information	Hyundai America Tech. Center (HATCI)	
Most relevant CCAT research thrusts (choose all applicable)	<input checked="" type="checkbox"/> Enabling Technology <input type="checkbox"/> Planning and Policy <input type="checkbox"/> Human Factors <input type="checkbox"/> Infrastructure Design and Management <input checked="" type="checkbox"/> Control and Operations <input type="checkbox"/> Models and Implementation	
Funding Request		
Matching Funds and Source (if any)	Hyundai America Tech. Center (HATCI) \$409,849	
Total Project Cost	\$409,849	
Contract Number	69A3551747105	
Project start/end dates	9/28/2017 – 12/7/2018	
Project Abstract	<p>The objective of this project was to address the testing of vehicle network intrusion detection systems. Intrusion detection systems are designed to detect and sometimes mitigate vehicle data bus messages that are unfamiliar and possibly malicious. This project involved UMTRI developing a concept of operations and associated set of functional requirements addressing intrusion detection, and then developing and applying testing methods to production vehicles in order to show the ability to assess selected aspects of the candidate systems.</p> <p>The final report for this project will not be publicly available.</p>	
High-level implementation plan	None	
Project Metrics		
Web Links:	ccat.umtri.umich.edu	