

**Project Information Form**

Project Title:	Using Signals of Opportunity (SOPs) to Improve Navigation in Autonomous Vehicles
University:	University of California, Riverside
Principal Investigator:	Joshua Morales
PI Contact Information:	Jmora047@ucr.edu
Funding Source(s) and Amounts Provided (by each agency or organization):	NCST Graduate Fellowship Award - \$20,000
Total Project Cost:	\$20,000
Agency ID or Contract Number:	DOT DTRT13-G-UTC29
Start and End Dates:	June 26, 2016 – June 26, 2017
Brief Description of Research Project:	My research focuses on enabling autonomous vehicles to exploit SOPs to improve navigation accuracy and reliability. SOPs may be transformed into dedicated navigation pseudo-satellites (pseudolites). This transformative approach enables autonomous vehicles to navigate in previously prohibitive environments and will support the accuracy and robustness requirements of systems like connected cars and V2V.
Describe Implementation of Research Outcomes (or why not implemented):  Place any photos here	
Impacts/Benefits of Implementation (actual, not anticipated):	
Web Links <ul style="list-style-type: none"> <li>• Reports</li> <li>• Project website</li> </ul>	<a href="https://ncst.ucdavis.edu/graduate-student-research/">https://ncst.ucdavis.edu/graduate-student-research/</a>