

**Project Information Form**

Project Title:	Investigation of Near-Road Air Pollution with Respect To Particle Size Distribution
University:	University of California, Riverside
Principal Investigator:	Yue Lin
PI Contact Information:	ylin@cert.ucr.edu
Funding Source(s) and Amounts Provided (by each agency or organization):	NCST Graduate Fellowship - \$20,000
Total Project Cost:	\$20,000
Agency ID or Contract Number:	DOT DTRT13-G-UTC29
Start and End Dates:	June 1, 2016 – June 1, 2017
Brief Description of Research Project:	A study based on U.S. Census and Department of Transportation traffic data found that nearly one-fifth of the U.S. population lives near a high-volume road where pollution levels are typically elevated from vehicle exhaust. The evolution of particle size distribution is too fast at a near-road location to be measured by a typical particle size classifier. Yue has two goals in her investigation. First she will measure aerodynamic particle size distribution and examine evolution of mass concentration. Second she will measure mobility particle size distribution using TSI FMPS, which has a faster response than regular sizing instrument of SMPS, along with the aerodynamic particle size distribution measurement by MSP QCM MOUDI.
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>