

**Project Information Form**

Project Title:	Panel Study of Emerging Transportation Technologies and Trends in California: Phase 2 Data Collection
University:	University of California, Davis
Principal Investigator:	Giovanni Circella Co-PI(s): Susan Handy
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Total Project Cost:	\$146,210.84
Agency ID or Contract Number:	UCD-CT-TO-038 Caltrans 65A0527 Task Order 038 US DOT DTRT13-G-UTC29 US DOT 69A3551747114
Start and End Dates:	March 5, 2018 through September, 2018
Brief Description of Research Project:	<p>Individual travel options are quickly shifting due to changes in sociodemographics, individual lifestyles, the increased availability of modern communication devices (smartphones, in particular) and the adoption of emerging transportation technologies and shared-mobility services. These changes are transforming travel-related decision-making in the population at large, and especially among specific groups such as young adults (<i>e.g.</i>, “millennials”) and the residents of urban areas.</p> <p>This panel study improves the understanding of the impacts of emerging technologies and transportation trends through the application of a unique longitudinal approach. The authors build on the research efforts that led to the collection of the 2015 California Millennials Dataset and complement them with a second wave of data collection carried out during 2018, generating a longitudinal study of emerging transportation trends with a rotating panel structure. The use of longitudinal data allows researchers to better assess the impacts of lifecycle, periods and generational effects on travel-related choices, and analyze components of travel behavior such as the use of shared mobility services among various segments of the population and its impact on vehicle ownership over time. Further, it helps researchers evaluate causal relationships between variables, thus supporting the development of better-informed policies to promote transportation sustainability.</p>



# National Center for Sustainable Transportation

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/project/panel-study-emerging-transportation-technologies-trends-california-phase-ii">https://ncst.ucdavis.edu/project/panel-study-emerging-transportation-technologies-trends-california-phase-ii</a>  <a href="https://escholarship.org/uc/item/35x894mg">https://escholarship.org/uc/item/35x894mg</a>