



Center for Advanced Multimodal Mobility Solutions and Education

UTC Project Information – CAMMSE @ UNC Charlotte	
Project Title	What Do We Want from Autonomous Vehicles (AVs)? Using Participatory Planning and Scenario Analysis of Alternative Futures to Identify Stakeholders' Desired Outcomes from the Strategic Deployment of Emerging Transportation Technology
University	The University of Connecticut
Principal Investigator	Norman Garrick and Carol Atkinson-Palombo
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Funding Sources and Amount Provided (by each agency or organization)	The University of North Carolina at Charlotte: \$59,898 The University of Connecticut: \$60,000
Total Project Cost	\$119,898
Agency ID or Contract Number	
Start and End Dates	10/01/2017 – 09/30/2019
Brief Description of Research Project	This research will use the Transportation Indicator for Sustainable Places (TISP) previously developed by our research group as a framework for evaluating the potential outcomes of three different scenarios under which autonomous vehicles (AVs) could be deployed. The output of this initial deliverable will form the basis for thinking through the wide array of impacts that AVs may have on society, the economy, and the environment. Structured and semi-structured interviews and focus groups with State DOT



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	<p>officials, the general public, and transportation advocacy groups will be held with the intention of better understanding which of the potential outcomes various stakeholders object to the least/most, and to frame the question of what people would actually like AV technology to do. This research will reframe the current debate surrounding emerging AV technology as an inevitable sign of ‘progress’ from something that stakeholders (particularly state agencies) need to react to, to a more proactive discussion that focuses on what outcomes society would like to achieve through the strategic deployment of AV technology. The goal is to avoid repeating mistakes of the past in which people’s needs were subjugated by special interest groups who have a vested interest in championing the benefits of superior technology. Instead of passively responding to technological changes, society—and public agencies such as DOTs that serve society—will be better positioned to shape the outcomes of this ‘socio-technological’ transition.</p>
<p><i>Describe Implementation of Research Outcomes (or why not implemented)</i></p> <p><i>Place Any Photos Here</i></p>	
<p><i>Impacts/Benefits of Implementation (actual, not anticipated)</i></p>	<p>Project has not begun yet, so no impacts have been realized.</p>
<p><i>Web Links</i></p>	<p>https://cammse.uncc.edu/sites/cammse.uncc.edu/files/media/CA</p>



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- *Reports*

[MMSE-UNCC-2018-UTC-Project-Information-12-Garrick-AtkinsonPalombo.pdf](#)

- *Project website*