

1. Report No. SWT-2016-8		2. Government Accession No.		3. Recipient's Catalog No.	
4. Title and Subtitle Motorists' Preferences for Different Levels of Vehicle Automation: 2016				5. Report Date May 2016	
				6. Performing Organization Code 383818	
7. Author(s) Brandon Schoettle and Michael Sivak				8. Performing Organization Report No. SWT-2016-8	
9. Performing Organization Name and Address The University of Michigan Sustainable Worldwide Transportation 2901 Baxter Road Ann Arbor, Michigan 48109-2150 U.S.A.				10. Work Unit no. (TRAIS)	
				11. Contract or Grant No.	
12. Sponsoring Agency Name and Address The University of Michigan Sustainable Worldwide Transportation				13. Type of Report and Period Covered	
				14. Sponsoring Agency Code	
15. Supplementary Notes Information about Sustainable Worldwide Transportation is available at <a href="http://www.umich.edu/~umtriswt">http://www.umich.edu/~umtriswt</a> .					
16. Abstract <p>This report builds on our recent series of eight reports addressing public opinion, human factors, and safety-related issues concerning self-driving vehicles. An identical survey to that used in 2015 was administered. The survey was developed to examine motorists' preferences among levels of vehicle automation, including preferences for interacting with and overall concern about riding in self-driving vehicles. The survey yielded completed responses from 618 licensed drivers in the U.S.</p> <p>The main findings are as follows:</p> <ul style="list-style-type: none"><li>• The most frequent preference for vehicle automation continues to be for no self-driving capability, followed by partially self-driving vehicles, with completely self-driving vehicles being the least preferred choice.</li><li>• Concern for riding in self-driving vehicles remains higher for completely self-driving vehicles than for partially self-driving vehicles.</li><li>• Respondents still overwhelmingly want to be able to manually control completely self-driving vehicles when desired.</li><li>• Preferences were generally divided between touchscreens or voice commands to input route or destination information for completely self-driving vehicles.</li><li>• Most respondents prefer to be notified of the need to take control of a partially self-driving vehicle with a combination of sound, vibration, and visual warnings.</li><li>• Overall public opinion has been remarkably consistent over the two years that this survey has been conducted. The general patterns of responses have not changed over the course of these two surveys, despite the increased media coverage of self-driving vehicles.</li></ul>					
17. Key Words Autonomous vehicles, self-driving vehicles, driverless vehicles, survey, U.S., public opinion, driver preferences				18. Distribution Statement Unlimited	
19. Security Classification (of this report) None		20. Security Classification (of this page) None		21. No. of Pages 21	22. Price