

Your Opinion On Concepts Of External Displays For An Automated Car

Instructions ▲

Overview

You are invited to participate in a survey entitled "**Your opinion on concepts of external displays for an automated car**". The survey is conducted by Pavlo Bazilinskyy (p.bazilinskyy@tudelft.nl (mailto:p.bazilinskyy@tudelft.nl)) and Joost de Winter (j.c.f.dewinter@tudelft.nl (mailto:j.c.f.dewinter@tudelft.nl)) from the Delft University of Technology, The Netherlands

The purpose of this survey is to explore the public opinion on the use of visual displays for interaction between automated vehicles and pedestrians or cyclists. The survey will take approximately 10 minutes of your time.

Participation in the survey

You are free to contact any of the investigators at the above e-mail addresses to ask questions about the study. You must be at least 18 years old to participate. In case you previously completed a survey from the same investigator(s), your responses may be combined with the results of these surveys. The information recorded for the survey is anonymous. Participants will not be personally identifiable in any research papers arising from this study. If you agree to participate and understand that your participation is voluntary, then continue. If you would not like to participate, then please close this page.

General questions

Have you read and understood the above instructions? (required)

- ☐ Yes
☐ No

What is your gender? (required)

- ☐ Male
☐ Female
☐ I prefer not to respond

What is your age? (required)

At which age did you obtain your first license for driving a car or motorcycle?

What is your primary mode of transportation (required)

- ☐ Private vehicle
- ☐ Public transportation
- ☐ Motorcycle
- ☐ Walking/Cycling
- ☐ Other
- ☐ I prefer not to respond

On average, how often did you drive a vehicle in the last 12 months? (required)

- ☐ Every day
- ☐ 4 to 6 days a week
- ☐ 1 to 3 days a week
- ☐ Once a month to once a week
- ☐ Less than once a month
- ☐ Never
- ☐ I prefer not to respond

About how many kilometers (miles) did you drive in the last 12 months? (required)

- ☐ 0 km / mi
- ☐ 1 - 1,000 km (1 - 621 mi)
- ☐ 1,001 - 5,000 km (622 - 3,107 mi)
- ☐ 5,001 - 15,000 km (3,108 - 9,321 mi)
- ☐ 15,001 - 20,000 km (9,322 - 12,427 mi)
- ☐ 20,001 - 25,000 km (12,428 - 15,534 mi)
- ☐ 25,001 - 35,000 km (15,535 - 21,748 mi)
- ☐ 35,001 - 50,000 km (21,749 - 31,069 mi)
- ☐ 50,001 - 100,000 km (31,070 - 62,137 mi)
- ☐ More than 100,000 km (more than 62,137 mi)
- ☐ I prefer not to respond

How many accidents were you involved in when driving a car in the last 3 years? (please include all accidents, regardless of how they were caused, how slight they were, or where they happened) (required)

- ☐ 0
- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ 5
- ☐ More than 5
- ☐ I prefer not to respond

How often do you do the following?: Becoming angered by a particular type of driver, and indicate your hostility by whatever means you can. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month

How often do you do the following?: Disregarding the speed limit on a motorway. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

How often do you do the following?: Disregarding the speed limit on a residential road. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

How often do you do the following?: Driving so close to the car in front that it would be difficult to stop in an emergency. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

How often do you do the following?: Racing away from traffic lights with the intention of beating the driver next to you. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

How often do you do the following?: Sounding your horn to indicate your annoyance with another road user. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

How often do you do the following?: Using a mobile phone without a hands free kit. (required)

- ☐ 0 times per month
- ☐ 1 to 3 times per month
- ☐ 4 to 6 times per month
- ☐ 7 to 9 times per month
- ☐ 10 or more times per month
- ☐ I prefer not to respond

When I start using a new device, I usually need some time to learn how it works. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

When I use a new device for the first time, I usually read the manual before using it. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

I would trust a car that drives automatically. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

I usually trust machines until there is a reason not to. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

For the most part, I DISTRUST machines. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

In general, I would rely on a machine to assist me. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

My tendency to trust machines is high. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

It is easy for me to trust machines to do their job. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

I am likely to trust a machine even when I have little knowledge about it. (required)

- ☐ Disagree strongly
- ☐ Disagree a little
- ☐ Neither agree nor disagree
- ☐ Agree a little
- ☐ Agree strongly
- ☐ I prefer not to respond

You will be presented with a series of images of a vehicle approaching a cross walk. Please try to imagine that you are a pedestrian viewing the approaching vehicle. You will be asked to decide whether it is safe to cross.



Question 1a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 1b. If you think that the message on the car above is unclear, please explain why below

Question 1c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 2a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 2b. If you think that the message on the car above is ambiguous, please explain why below

Question 2c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 3a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 3b. If you think that the message on the car above is ambiguous, please explain why below

Question 3c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 4a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 4b. If you think that the message on the car above is ambiguous, please explain why below

Question 4c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 5a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 5b. If you think that the message on the car above is ambiguous, please explain why below

Question 5c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 6a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 6b. If you think that the message on the car above is ambiguous, please explain why below

Question 6c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 7a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 7b. If you think that the message on the car above is ambiguous, please explain why below

Question 7c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 8a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 8b. If you think that the message on the car above is ambiguous, please explain why below

Question 8c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 9a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 9b. If you think that the message on the car above is ambiguous, please explain why below

Question 9c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 10a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 10b. If you think that the message on the car above is ambiguous, please explain why below

Question 10c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 11a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 11b. If you think that the message on the car above is ambiguous, please explain why below

Question 11c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 12a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 12b. If you think that the message on the car above is ambiguous, please explain why below

Question 12c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 13a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 13b. If you think that the message on the car above is ambiguous, please explain why below

Question 13c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 14a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 14b. If you think that the message on the car above is ambiguous, please explain why below

Question 14c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure



Question 15a. Would you feel safe to cross in front of the car above? (required)

- ☐ Yes
- ☐ No
- ☐ Not sure

Question 15b. If you think that the message on the car above is ambiguous, please explain why below

Question 15c. What is the color of the text/pixels on the display of the car above? (required)

- ☐ Green
- ☐ Red
- ☐ White
- ☐ Not sure

Miscellaneous questions

In which year do you think that most cars will be able to drive fully automatically in your country of residence? (required)

Please provide any suggestions that could help engineers to build safe and enjoyable automated cars.

Test Validators