



UNIVERSITY OF JYVÄSKYLÄ

FACULTY OF INFORMATION  
TECHNOLOGY

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## RESEARCH INFORMATION

### 1. Invitation to participate in research

We invite you to participate in the study “Drive-In Lab for Testing In-Car User Interfaces”, which investigates the reliability and potential applications of the research methods used in the Drive-In laboratory at the University of Jyväskylä.

This information sheet describes the study and what participation in it means for you. The Privacy Notice provides information on the processing of your personal data.

To participate in the study requires that you:

- are in general good health,
- have normal vision or corrected vision (glasses ok),
- have normal hearing,
- hold a valid driving licence, and
- haven't participated in Drive-In Lab studies before.

The study will involve 40 participants.

This is a single study, and you will not be contacted again later in relation to this study.

### 2. Voluntary participation

Participation in this study is voluntary. You can refuse to participate in the study, withdraw from the study or your consent at any time, without stating a reason. This will have no negative consequences for you.

If you decide to stop participating in the study or withdraw your consent, any personal data, samples or other information collected to that point may still be used in the research if needed to ensure reliable results.

### 3. Progress of the study

The study is conducted in the Drive-In laboratory of the University of Jyväskylä, located on the Mattilanniemi campus at Ahlmaninkatu 2 (at the edge of the car park of the MaD building). At the

start of the study, the participant takes a seat in the driver's position of the vehicle used in the laboratory. The participant then performs various driving tasks according to instructions, within a simulated driving environment.

Data are collected in the form of driving simulator log data, which describes the driver's behaviour. The study lasts approximately half an hour in total.

#### **4. Possible benefits from the study**

Participants will not benefit from taking part in the study other than through the gift card they receive as compensation.

The study aims to develop research methods that can reliably assess driver interfaces in vehicles, and in particular the distraction caused by using them in traffic. The laboratory research seeks to influence the development of driver interfaces and the methods used to evaluate them, to provide consumers with reliable information about user interfaces, and to identify good and poor design solutions for modern driver interfaces.

#### **5. Possible risks, harm, and inconvenience caused by the study as well as preparing for these**

A small proportion of participants (< 10%) may experience simulator sickness symptoms, which are expected to be mild as the study only involves driving in a straight line. Researchers will monitor for possible symptoms throughout the study, and it is important that participants immediately inform the researchers of any such feelings, at which point the study will be stopped.

We do not recommend participation for individuals who are photosensitive or sensitive to flashing lights (e.g., photosensitive epilepsy).

Participants will be required to perform tasks during the simulated driving that they might never carry out in real traffic. We do not encourage participants to perform such tasks in real traffic while the vehicle is moving, but in order to achieve the research results, participants must complete the assigned tasks during the simulated driving. In the study, the vehicle does not move in reality and there is no actual risk of collision. The study is conducted in safe and well-controlled conditions.

#### **6. Insurance coverage for research participants**

The University of Jyväskylä has insurance for its activities and research participants. The participants are covered for accidents, damages and injuries inflicted due to an external cause. The accident insurance is valid during measurements, measurement visits and trips directly related to them.

#### **7. Compensation for participation and reimbursement of study-related costs**

You will receive a €15 S-Group gift card as a participation incentive for taking part in the study.

Receiving this gift means that you will receive taxable income, which the payer reports to the income register maintained by the tax administration.

**You can refuse the reward or reimbursement.**

Additional information about taxation <https://www.vero.fi/henkiloasiakkaat/verokortti-ja-veroilmoitus/tulot/ansiotulot/gallupit-kyselyt-ja-tutkimukset/>

Travel costs are not reimbursed.

**8. Funding of the study**

The research is funded in full by external funding from the University of Jyväskylä.

- The study is funded by academic research funding from the Research Council of Finland.

**9. Conflicts of interests**

The study and the researchers have no conflicts of interest that could affect the study's independence.

**10. Informing about research results and research outcomes**

The study will yield scientific publications, theses, conference and seminar presentations, teaching materials, published research datasets, media publications, and potentially practical applications and commercial use. The study also aims to influence Euro NCAP safety ratings for new vehicles and the design of future driver interfaces.

- Research participants cannot be identified from publications or published results.

**11. The use of research data after the study is finished**

After the study is finished, the research data will be anonymised, which means that any information enabling personal identification is deleted.

The anonymised research data (data from which any information enabling personal identification has been deleted) will be stored in the JYX repository, from where the data is available by a license that enables open use.

**12. Further information**

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