

Informed consent for experiment participant

Experiment title: Influence of presence in the virtual environment on behavioral manifestations within the evacuation

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Research period: 01. 12. 2021 – 30. 09. 2022

What is this research project about?

You will participate in research that deals with the influence of various building factors on the choice of route during the evacuation process. Virtual reality (VR) will be used to simulate evacuation.

How will the participation take place?

- During the research, you will be exposed to the decision-making situation in the VR. Based on the information available in your surroundings, your task will be to select a corridor that appears safer to evacuate from the building.
- In order to find out more relationships and the reasons for your decision-making, you will fill in several questionnaires focused on the degree of certainty with your decision, and a subjective evaluation of the influence of individual factors.
- The entire testing, including the completion of all necessary questionnaires and the exposition to the VR, should take a maximum of 40 minutes.
- The research will use a set of web questionnaires and HTC VIVE a new, modern and comfortable headset for VR.

What hinders participation and what are the disadvantages / risks of participating in this research?

People who are aware of photosensitivity epilepsy, have had difficulty maintaining balance, have problems with stereoscopic vision (perception of three-dimensional objects) and have experienced motion sickness cannot participate in this research.

Is participation in this research mandatory or tied to benefits / rewards?

Your participation in the research is completely voluntary and is not associated with any form of reward. You can suspend or withdraw from your participation at any time during the research until the research results are published.

What personal data is collected in this research project?

- basic demographic data – age and gender
- questionnaire responses
- reaction time and interaction with the virtual environment

How will personal data be processed and stored?

- Your data and measurement results will be collected in coded form. At the beginning of the research, you will be assigned a numerical code, under which all measurements, sampling and questioning will take place. After the end of data collection from all participants, only anonymous data marked with numerical codes will be processed without the possibility of your identification.
- Members of the research team (Mgr. Dajana Snopková, Mgr. Vojtěch Juřík, PhD., Jiří Gross) Will have access to your personal data.
- We will only store your personal data for the research data collection period, after which the data will be anonymised and thus converted into a form that does not allow your identification.
- Your contact details will only be used for the purposes of this project and will be deleted when the data collection is completed.
- The obtained data in anonymous form can be used in other research projects in this area.

Mandatory information according to the General Regulation on Personal Data Protection (EU 2016/679, GDPR)

We will process your personal data on the basis of your consent for the purposes of research into the influence of various building factors on the choice of route during the evacuation process.

Your rights in connection with the processing of personal data:

- request access to, correction or deletion of personal data concerning your person, or restrictions on processing,
- file a complaint to the supervisory authority (Office for Personal Data Protection, www.uoou.cz) if you believe that the processing of personal data is in breach of law;
- revoke the consent to the processing of personal data granted below at any time, without jeopardizing any sanctions or disadvantages, by notifying the personal data controller's contact details. This does not affect the lawfulness of data processing prior to the withdrawal of consent.

Where to find out more?

If you have any additional questions about this study, you can contact the members of the research team (contact can be found on the first page of the document).

This project was approved by the Ethics Panel at the Department of Psychology, Faculty of Arts, Masaryk University. In case of questions, ambiguities or comments on the course of the research, you can contact the management of the commission at klim@mail.muni.cz.