

Information Sheet

This research investigates user performance in a Virtual Reality (VR) environment. The current study is to examine user performance in a colour-word association task in VR. Should you choose to participate, you will be asked to complete a short questionnaire for demographic information and to establish your previous VR experience. Once completed, VR equipment will be placed on you by the researcher and you will be given a VR tutorial to familiarise you with using VR. Once the tutorial is over, you will begin the main VR experience where you will be asked to complete a colour-word association task. We will record wearable sensor information including skin conductance, heart rate, brain activity and skin temperature, and performance information e.g. head movement.

Participation is voluntary and you are free to withdraw from the experiment at any time. Participants can refuse to answer any questions in the questionnaires. During the VR task, if you decide to leave the task for any reason, pressing the exit button on the user interface will take you to an exit scene and the researcher will help you remove the equipment. Afterwards, you will be asked to complete a short questionnaire about your experience in the research.

All information collected from this experiment will be completely confidential, anonymised and stored on secure University College Cork systems. Each participant will be assigned a participant number, and the questionnaires and sensor data will be linked to this number indirectly. There will be no other way to connect the information to the participant. If you decide to withdraw from the research and do not want your data used, you can do so anytime up to 14 days from when the experiment took place.

The information collected will be used as part of a PhD research and will be used in academic presentations and publications.

The study has been reviewed and received ethical approval from UCC's Social Research Ethics Committee.

If there is anything you'd like to know please contact me directly or my supervisors from below:

Deniz Mevlevioglu

d.mevlevioglu@cs.ucc.ie

Dr Sabin Tabirca

tabirca@cs.ucc.ie

Mr David Murphy

d.murphy@cs.ucc.ie

Thank you for your time and if you agree to participate, please complete the study consent form.