

**ParticipantID**

Participant ID

**Information Sheet****INFORMATION SHEET**

You are being invited to take part in a research study. Before you decide, it is important for you to understand why the research is being done and what it will involve. Please take time to read the following information carefully and discuss it with others if you wish. Take time to decide whether you wish to take part or not. Please contact the experimenter if you have any questions about the study or would like more details.

**Purpose of the study:**

Haptic feedback has many advantages compared to the more widely known and used visual and audio feedback, most pronounced in situations with high visual and auditory demands or distractions.

One of these haptic modalities is electro-tactile feedback, where a tactile sensation on the skin is triggered by sending very light electrical currents to electrodes in contact with the skin. The experience of the feedback differs and can be manipulated by tweaking the parameters of the electricity sent towards the electrodes. It is not yet well understood, how

changes in parameters influence the experience and to what degree the experience differs between individuals.

This study aims to collect feedback on the experience of electro-tactile feedback and explore comfortable value ranges for the individual parameters.

**Why have you been chosen:**

You have been chosen because you are an adult and have no sensory impairments in your hands.

**Do I have to take part?**

Participation in the study is voluntary. You may decide whether to take part or not. If you do decide to take part, you will be given this information sheet to keep and be asked to sign a consent form. If you decide to take part, you are still free to withdraw at any time and without giving a reason.

**What will happen to me if I take part?**

You will be asked to come to the University of Glasgow and some demographic data will be captured. Electrodes will then be attached to the palm of your hand. The experimenter will then run through a calibration process for each parameter, starting from very low values and stopping as soon as the experience becomes uncomfortable.

After collecting the comfortable range for each parameter, you will be presented with three values within that range and asked to describe how they compare to each other.

At the end of the experiment, you will be asked to design your own cue: you will be asked to manipulate the parameters directly yourself with sliders and create your personal, most comfortable cue.

You will be asked to describe the feeling and how it changes throughout the experiment.

You will be recorded throughout this process, so your description cannot get lost. The recording will be transcribed by the experimenter after the study is finished and only the transcribed script will be kept further on, the recordings will be deleted.

**What are the possible disadvantages and risks of taking part?**

You could experience mild discomfort from the presentation of the electro-tactile feedback. The experimenter can stop the presentation of the stimulus at any time, so please report any discomfort immediately.

The experiment will be conducted while seated, which could become uncomfortable. There will be breaks throughout the experiment. However, please inform the experimenter if you would like to break at other times as well.

**What are the benefits of taking part?**

You will be paid with a £10 Amazon voucher for about an hour of your time. You will be contributing to research which could lead to the introduction of a new modality to everyday haptic feedback.

**Will my taking part in this study be kept confidential?**

All information collected, or responses provided, during the experiment will be kept strictly confidential. You will be identified by an ID number which in no way will be connected to you. Please note that assurances on confidentiality will be strictly adhered to unless evidence of serious harm, or risk of serious harm, is uncovered. In such cases, the University may be obliged to contact relevant statutory bodies/agencies.

**What will happen to the results of the research study?**

The results will be held by the researcher and the University of Glasgow and might be used

for publication. The results can be outlined to the participants whenever they become available. The participants will not be identified in any report or publication. Anonymised data might be made available for open and replicable research.

**Who is organising and funding the research?**

This research is funded by the School of Computing Science, University of Glasgow.

**Who has reviewed the study?**

The project has been reviewed by the College Ethics Committee (Application Number \_\_\_\_\_).

**Contact for Further Information:**

You can contact the researcher of this study, Patrizia Di Campli San Vito, via the following methods:

Email: [Patrizia.DiCampliSanVito@glasgow.ac.uk](mailto:Patrizia.DiCampliSanVito@glasgow.ac.uk)

Line manager details:

Professor Stephen Brewster, [Stephen.Brewster@glasgow.ac.uk](mailto:Stephen.Brewster@glasgow.ac.uk), 0141-330-4966

**Consent**

Please read the following statements carefully and tick them to show your consent:

- ☐ I confirm that I have read and understood the Information Sheet provided to me for this survey and I have had the opportunity to ask questions.
- ☐ The study has been explained to me, and I understand the explanation given and what my participation will involve.
- ☐ I understand that during the study the experimenter will give additional instructions concerning the experiment and that the purpose of some instructions will only be explained at the end of the study.
- ☐ I understand that my participation is voluntary and that I am free to withdraw at any time, without giving a reason.
- ☐ I understand that the research data may be published anonymously, but that my personal data will be kept confidential in accordance with data protection guidelines.
- ☐ I volunteer to take part in the survey.

## Demographics

Age

## Gender

- ☐ Male
- ☐ Female
- ☐ Non-binary / third gender
- ☐ Prefer not to say
- ☐  Prefer to self-describe

## Nationality

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