

Participant Information Sheet

Research Study Title : Interaction Design for Smart Pillows

Principal Investigator: Dr Becky Stewart

You are invited to take part in a research study. This involves taking part in the workshop and building a smart pillow of your design. You will be asked to fill out a brief questionnaire about your previous experiences working with textiles and technology along with some basic demographic information. You will then start making your pillow. You will be occasionally filmed and photographed during the workshop and you will be asked about your design process and decisions.

The data captured during the workshop will be later analysed and may be written up in a research publication and may be presented at a research conference. Photos and videos from the workshop may be used in publications and presentations. While we will always aim to not include faces and voices, if you absolutely do not wish for potentially identifying information about yourself to be used, please indicate so on the accompanying consent form.

This project is funded by the Participatory Research Seed Fund from Societal Engagement at Imperial.

What is the purpose of the study?

This study examines how workshop participants with experience in textiles and/or crafts approach the design and fabrication of a personal Internet-of-Things (IoT) item for use in the home. You will make a 'smart' pillow which controls the playback of streaming services such as iPlayer or Spotify. You will be given a custom technology kit and raw materials in order to make an e-textile interface embedded into a pillowcase for a square throw pillow.

The core research questions are:

1. How does material, shape, and texture influence the design and build of a soft interface?
2. What kinds of interactions are preferred and how do they relate to existing interfaces such as smart phones and tablets?

Why have I been invited?

You are invited to take part either because you are attending EMF Camp 2022 and wish to join the workshop, or you applied to take part online with E-Stitches London. It is estimated that about 60 people will participate in the workshops in total.

Do I have to take part?

It is up to you to decide whether or not to take part. 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?

When you take part in this study, you will attend a workshop lasting about 3 hours during which you will learn how to design and build a smart pillow. You have no obligations past the end of the workshop.

While you make your pillow, photos and video of what you are doing will be taken to document your design. You may be asked questions about your design choices. This data will be later used to analyse whether there were common design patterns or technical difficulties encountered by participants.

What if something goes wrong?

If you are harmed by taking part in this research project, there are no special compensation arrangements. If you are harmed due to someone's negligence, then you may have grounds for a legal action. Regardless of this, if you wish to complain, or have any concerns about any aspect of the way you have been treated during the course of this study then you should immediately inform the Investigator Becky Stewart (r.stewart@imperial.ac.uk). If you are still not satisfied with the response, you may contact the Imperial College Research Governance Integrity Team (rgitcoordinator@imperial.ac.uk).

What will happen to the results of the research study?

The results of this research are most likely to be published in an academic conference on human-computer interaction. Any resulting publication will be available for free online. You will not be identified by name in any publication resulting from this research. If you explicitly allow it on the consent form, photo or video documentation of you and your smart pillow may be shown in an academic conference presentation or publication.

Who is organising and funding the research?

Imperial College London is the study sponsor, specifically the Participatory Research Seed Fund from Societal Engagement.

Who has reviewed the study?

This study was given favourable opinion by the Science, Engineering and Technology Research Ethics Committee (SETREC) and approval by the Head of Department.

Contact for Further Information

You should give the participant a contact point for further information. This can be your name or that of another researcher involved in the study (who must have sufficient knowledge/understanding of the study in order to deal with any questions/problems that may arise). You should also provide a 24hr contact number should the participant wish to speak to a member of the study team.

Thank you for taking part in this study!

A copy of the written information and signed Informed Consent form will be given to you to keep.

How will your information be used about you?

Imperial College London is the sponsor for this study and will act as the data Controller for this study. This means that we are responsible for looking after your information and using it appropriately Imperial College London will keep your personal data for:

- 10 years after the study has finished in relation to data subject consent forms.
- 10 years after the study has completed in relation to primary research data.

The study is stated to finish in **July 2022**.

We will need to use information (including personal data and data created as part of the study) from **you** for this research project.

This information will include your

- **Name**

- Age
- Gender

People within Imperial College London and study team (see section 'Sharing your information with others') will use this information to do the research or to check your records (see information to be collected) to make sure that the research is being done properly and the information held (such as contact details) is accurate.

People who do not need to know who you are will not be able to see your name or contact details. Your data will have a unique study number instead.

We will keep all information about you safe and secure.

Once we have finished the study, we will keep some of the data so we can check the results. We will write our reports in a way that no-one can work out that you took part in the study.

Legal Basis

As a university we use personal information to conduct research that will either be in the public interest, or the legitimate interests of the College.

As a publicly-funded organisation we have to ensure that when we use personally-identifiable information from people who have agreed to take part in research, it is either in the public interest, or that our legitimate purposes are both properly notified to you and are not overridden by your rights.

We will conduct scientific research in compliance with the law and the recommendations and guidance published by the UK Information Commissioners Office (ICO).

International Transfers

There may be a requirement to transfer information to countries outside the European Economic Area (for example, to a research partner). Where this information contains your personal data, Imperial College London will ensure that it is transferred in accordance with data protection legislation. If the data is transferred to a country which is not subject to a European Commission (EC) adequacy decision in respect of its data protection standards, Imperial College London will enter into a data sharing agreement with the recipient organisation that incorporates EC approved standard contractual clauses that safeguard how your personal data is processed.

Sharing your information with others

For the purposes referred to in this privacy notice and relying on the bases for processing as set out above, we will share your personal data with certain third parties.

- Other College employees, agents, contractors and service providers (for example, suppliers of printing and mailing services, email communication services or web services, or suppliers who help us carry out any of the activities described above). Our third party service providers are required to enter into data processing agreements with us. We only permit them to process your personal data for specified purposes and in accordance with our policies.

What are your choices about how your information is used?

You can stop being part of the study at any time, without giving a reason.

We need to manage your records in specific ways for the research to be reliable. This means that we may not be able to let you see or change the data we hold about you. We will provide copies of the photos and videos taken of you upon request.

Where can you find out more about how your information is used?

You can find out more about how we use your information

- by asking one of the research team
- by sending an email to r.stewart@imperial.ac.uk, or
- by ringing us on 020 7594 1317.

Complaint

If you wish to raise a complaint on how we have handled your personal data, please contact Imperial College London's Data Protection Officer via email at dpo@imperial.ac.uk, via telephone on 020 7594 3502 and/or via post at Imperial College London, Data Protection Officer, Faculty Building Level 4, London SW7 2AZ.

If you are not satisfied with our response or believe we are processing your personal data in a way that is not lawful you can complain to the Information Commissioner's Office (ICO). The ICO does recommend that you seek to resolve matters with the data controller (us) first before involving the regulator.