Participant Information Sheet for Adults

Storytelling with Speculative Sensors

University of Dundee School Research Ethics Committee Application/Approval Number: [*insert approval number from decision letter*]

You are invited to take part in the research project entitled 'Storytelling with Speculative Sensors'. The objective of this research is to identify design features of trust in the Internet of Things. Before you decide whether or not you would like to participate it is important that you read the information provided below. This will help you to understand why and how the research is being carried out and what participation will involve. Please let the researcher who gave you this information know if anything is unclear or you have any questions.

Who is conducting the research?

This research will be conducted by Namrata Primlani. She is a PhD research fellow at the University of Dundee and part of the OpenDott (Open Design of Trusted Things) project.

Researcher Contact Details

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Who is funding the research?

What is the purpose of the research? (be specific to particular research and why)

OpenDoTT is a PhD programme from the University of Dundee and Mozilla to explore how to build a more open, secure, and trustworthy Internet of Things. Internet of Things is the interconnection via the Internet of computing devices embedded in everyday objects, enabling them to send and receive data.

As sensor laden smart devices creep steadily into our lives, the significance of sensors that inhabit these devices are ever more obscured behind layers of product design, sleek shells, marketing campaigns and adverts. What do people really understand about the sensors that are responsible for the 'smartness' and 'innovation' of most IoT devices? How will people's relationships with sensors be uncovered once sensors are removed from their sleek packaging and layers of rhetoric? What will be revealed about the way we trust our smart devices once we are confronted with rudimentary forms of 'smartness'?

Why have I been invited to take part? (keep it short)

Most technological devices today are designed by experts, seldom taking into account people's perceptions, needs, desires, fears and understanding and with little thought as to how these devices actually integrate with people's lives. You have been recruited for this project as your knowledge of IoT technology lie across a range of expertise, from novice to fairly advanced.

Do I have to take part?

No. Taking part in this research is voluntary. Choosing not to take part will not disadvantage the potential participant in any way; and the participant may decide to withdraw from the study at any time without explanation and without penalty. You can choose to withdraw your participation at any point in the study. You can request your withdrawal from the study by writing an email to the principal researcher whose contact details are provided in this sheet. However, if you choose to withdraw your participation, any data collected from you until your point of withdrawal will still remain part of the project and will be stored on the project directory (in compliance with GDPR) as the data collected will be anonymised and therefore it will not be possible to identify and delete already collected data.

What will happen if I take part?

The study will involve the following

Speculative Sensor Probes

In this project, six speculative sensor probes help people tell stories about their everyday lives. The six speculative probes are a microphone, a motion sensor, a gas sensor, a bacteria sensor, a light sensor and a camera. Participants are given a kit with the six probes and an information sheet explaining how each probe works and the kind of data that the probe can collect. The participants are asked to identify uses for the probes and to place the probes in different locations on the body, in the home, in the community or city. Participants are asked to gather photos of probes that they have placed in different locations. Participants may be encouraged to spend 10-15 minutes a day engaging with cultural probes.

Interviews and Group Discussions

One on one Interviews and Group Discussions involving two or more participants will be conducted with the use of prompts and tools to initiate discussions around trust and technology. Anonymised transcriptions of interviews will be studied to identify key themes emerging from conversations. Individual Interviews will be upto 1 hour at most once a week. Group discussions will be upto 2 hours and at most fortnightly. Interviews and group discussions will take place either in the University of Dundee premises or at the participants home or premises.

Co-creation exercises

Interviews and design probes can offer insight that lead to co-creation and co-design exercises with participants in order to directly inform design features of trust and technology. Participants may be asked to participate in co-design activities upto 1 hour fortnightly.

Are there any risks in taking part?

There are no risks in taking part in this project.

What are the possible benefits of taking part?

1. Some of the possible benefits of taking part in this research are:

2. A better understanding of technology – Participants have an opportunity to learn about IoT and internet connected devices through practical exercises and co-creation.

3. An understanding of human-technology relationships – Participants can gain insight into how technology interacts with their daily lives and what their relationship with technology is.

4. An opportunity to contribute to technology design – Participants have the opportunity to contribute to a wider movement of technology ethics and design whereby their concerns, understandings and co-created designs can inform technology policy, ethics and design on a global platform.

Will my taking part in this project be kept confidential?

Personal information about the participant collected during the study that could identify them will be kept confidential to the principal researcher. All data will be anonymized. Raw data (raw audio recordings) and all files containing contact details for individuals (such as consent forms) will only be stored on University servers, within the University network and will be deleted at the end of the principal researcher's PhD.

What will happen to the information I provide?

Transcripts, images, video and data (except raw audio recordings and contact details) will be made available via an open license through university discovery portal. Data will be uploaded to Box to be shared with the sponsor and members of the research group. Participants may choose whether they consent to having photos of themselves published in Journals, online, in a book, in a film or in presentations at meetings or conferences. All images and video will be stored and deleted according to GDPR regulations. No faces will be shown in images or videos. Participants can request a copy of published work or films by emailing the principal researcher.

Data Protection

The personal data that will be collected and processed in this study are name, telephone number and email address, audio recordings, transcripts of audio recordings, photographs, video and written text.

The University asserts that it is lawful for it to process your personal data in this project as the processing is necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller.

The University respects your rights and preferences in relation to your data and if you wish to update, access, erase, or limit the use of your information, please let us know by emailing nprimlani001@dundee.ac.uk. Please note that some of your rights may be limited where personal data is processed for research, but we are happy to discuss that with you. If you wish to complain about the use of your information please contact the University's Data Protection Officer in the first instance (email: dataprotection@dundee.ac.uk). You may also wish to contact the Information Commissioner's Office (https://ico.org.uk/).

You can find more information about the ways that personal data is used at the University at: https://www.dundee.ac.uk/information-governance/dataprotection/.

Is there someone else I can complain to?

If you wish to complain about the way the research has been conducted please contact the Convener of the University Research Ethics Committee (https://www.dundee.ac.uk/research/ethics/contacts/).

Alternative formats

The researcher can provide a copy of the Participant Information Sheet and Consent Form in alternative formats (e.g. large print, Braille). Advice on alternative formats can be obtained from Disability Services (email: altformats@dundee.ac.uk).