Consent Form for Participation in Research

Study Title: New Infrastructure Concepts for Robust Handling of Inputs with Uncertainty

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Primary Sponsor: Packard Foundation

Purpose of this Study
The purpose of the Study is to investigate how sensors and output technologies can be used as interaction mechanisms.

Procedure
The study requires about 1 hour.

Participants will be asked to complete or simply view one or more interaction tasks, which may involve gestures (e.g., hand wave), targeting (e.g., buttons), navigation (e.g., lists, mazes), selection (e.g., clicking) and typing. These are all motions and actions seen in contemporary user interfaces and everyday activities, and present minimal risk. During these interactions, one or more sensors will monitor the participant and/or environment. Data is captured by the aforementioned microprocessor and/or computer setup. Different output technologies may also be used, e.g., projectors, LCD screens, vibration motors, speakers.

Participants may also be asked a series of questions either verbally or in written form to collect additional information on the interactions. Questions are limited to the interaction techniques in the study. We will not ask or record any responses that contain personal information (beyond demographics). Furthermore, due to the technical nature of the study, the questions will not contain objectionable or provocative material.

Video with audio may be captured in some cases for later analysis. By signing this document, you acknowledge this data collection and consent to being recorded. In addition to this document, you will also be notified verbally if any audio or visual recording devices will be used, and they will be pointed out to you. If video and/or audio is captured, it will contain personally identifiable information. CMU will safeguard this material on secure computers and data will only be accessed by members of the immediate research team.

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Participant Requirements
Participants must be between 18 and 75 years of age.

Risks
The risks and discomfort associated with participation in this study are no greater than those ordinarily encountered in daily life or during the performance of routine physical or psychological examinations or tests.

Benefits
There may be no personal benefit from your participation in the study but the knowledge received may be of value to humanity.

Compensation & Costs
There will be no cost to you if you participate in this Study. You will receive $10/hour for your participation in this study.

Confidentiality
By participating in the study, you understand and agree that Carnegie Mellon may be required to disclose your consent form, data and other personally identifiable information as required by law, regulation, subpoena or court order. Otherwise, your confidentiality will be maintained in the following manner:

Your data and consent form will be kept separate. Your consent form will be stored in a locked location on Carnegie Mellon property and will not be disclosed to third parties. By participating, you understand and agree that the data and information gathered during this study may be used by Carnegie Mellon and published and/or disclosed by Carnegie Mellon to others outside of Carnegie Mellon. However, your name, address, contact information and other direct personal identifiers in your consent form will not be mentioned in any such publication or dissemination of the research data and/or results by Carnegie Mellon.

The researchers will take the following steps to protect participants' identities during this study: (1) Each participant will be assigned a number; (2) The researchers will record any data collected during the study by number, not by name; (3) Any original recordings or data files will be stored in a secured location accessed only by authorized researchers.

Rights
Your participation is voluntary. You are free to stop your participation at any point. Refusal to participate or withdrawal of your consent or discontinued participation in the study will not result in any penalty or loss of benefits or rights to which you might otherwise be entitled. The Principal Investigator may at his/her discretion remove you from the study for any of a number of reasons. In such an event, you will not suffer any penalty or loss of benefits or rights which you might otherwise be entitled.

CMU IRB Number: IRBSTUDY2015_00000082 Approved: 7/7/2021 Expires: 7/6/2022

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Right to Ask Questions & Contact Information

If you have any questions about this study, you should feel free to ask them now. If you have questions later, desire additional information, or wish to withdraw your participation please contact the Principle Investigator by mail, phone or e-mail in accordance with the contact information listed on the first page of this consent.

If you have questions pertaining to your rights as a research participant; or to report objections to this study, you should contact the Research Regulatory Compliance Office at Carnegie Mellon University. Email: irb-review@andrew.cmu.edu . Phone: 412-268-1901 or 412-268-5460.

The Carnegie Mellon University Institutional Review Board (IRB) has approved the use of human participants for this study.

Voluntary Consent

By signing below, you agree that the above information has been explained to you and all your current questions have been answered. You understand that you may ask questions about any aspect of this research study during the course of the study and in the future. By signing this form, you agree to participate in this research study.

_____ _____

PARTICIPANT SIGNATURE DATE

I certify that I have explained the nature and purpose of this research study to the above individual and I have discussed the potential benefits and possible risks of participation in the study. Any questions the individual has about this study have been answered and any future questions will be answered as they arise.

_____ _____

SIGNATURE OF PERSON OBTAINING CONSENT DATE

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