

# CONSENT DOCUMENT FOR ENROLLING ADULT PARTICIPANTS IN A RESEARCH STUDY

**Georgia Tech Institute for Information Security & Privacy**

**Project Title: IDForWeb: a User-Friendly Public-Key Framework for the Masses (Student Project)**

**Principal Investigators: Wenke Lee**

**Co-Investigators: Pak Ho Chung, Yeongjin Jang**

**Consent Title: [N/A]**

## **Research Permission Form**

**You are being asked to be a volunteer in a research study.**

### **Purpose:**

The purpose of this study is to determine the usability and user acceptance of a tool called IDForWeb, which allows users to easily generate and announce their public/private key pairs, and to verify public key received from another person. We will also study the user acceptance of a password manager application that is built on top of IDForWeb.

### **Procedures:**

First, you will be briefed about the research, as described in the protocol description. We will then ask you to perform both of the following tasks:

- 1) use our Android app to create and announce a new public key; this involves entering your name, affiliation and position, then take a selfie video of you reading the entered information, today's date as well as 3 or 4 short English phrases (e.g. two ugly bear) when prompted by our app
- 2) watch a selfie video of a user announcing his/her name, affiliation, position, a date and 3 or 4 short English phrases, and determine if the announced information matches a predefined script. For this task, the presented video may or may not match the script. Presented video may mismatch in different manners (e.g. both voice and video mismatch the script, or only either one of voice/video mismatches, or it's a wrong person announcing the information of a different person).



After performing one of the above tasks, we will show you a demo video of our phone authentication app. Finally you will be asked to complete a questionnaire regarding your experience with the whole study and your opinions on our apps. The whole process should take less than 30 mins.

To guarantee you only participate in each task at most once, we will record a video of you interacting with our application. This video will be encrypted and uploaded to our server at the end of our study. Only our research personnel will have access to the videos. We will not share your videos or use any information in it, and will delete it after we have finished identifying duplicate participants.

### **Risks/Discomforts:**

The risks involved in this study are no greater than using a smart phone in public.

### **Benefits**

It will raise your awareness of how public key system can help improve the privacy and authenticity of their communication. Your input will also help us evaluate and improve the tool we developed, which is intended to make it easier for people to benefit from the security provided by public key system.

### **Compensation to You:**

There will be no monetary compensation for your participation in this study.

### **Confidentiality:**

**The following procedures will be followed to keep your personal information confidential in this study:**

- The data that are collected about you will be kept private to the extent allowed by law.
- Your name, and any other fact that might point to you, will not appear when results of this study are presented or published.
- Your privacy will be protected to the extent allowed by law.
- Your physical records will be kept in locked file cabinets, and your electronic records will be kept in digitally encrypted files and password-protected databases. These records will be destroyed after the research is complete.
- To make sure that this research is being carried out in the proper way, the Georgia Institute of Technology IRB will review study records. The Office of Human Research Protections may also look at study records.
- Only your data entered during the study will be collected by our system i.e., past and future location check-ins will NOT be collected.



**Costs to You:**

There are no costs to you.

**In Case of Injury/Harm:**

If you are injured as a result of being in this study, please contact Simon Chung, at telephone (404) 894-9007. Neither the Principal Investigator nor Georgia Institute of Technology has made provisions for payment of costs associated with any injury resulting from participation in this study.

**Participant Rights:**

- Your participation in this study is voluntary. You do not have to be in this study if you do not want to be.
- You have the right to change your mind and remove yourself from the study at any time without giving any reason, and without penalty.
- Any new information that may make you change your mind about participating in this study will be given to you.
- You will be given a copy of this permission form to keep.
- You do not waive any of your legal rights by being in this study.
- The researchers reserve the right to end the study at any point. If so, no data will be collected from you, the participant.

**Questions about the Study or Your Rights as a Research Subject:**

If you have any questions about your rights as a research participant, you may contact

Ms. Melanie Clark, Georgia Institute of Technology  
Office of Research Integrity Assurance, at (404) 894-6942.

**If you complete web registration form to sign up for this research study, it means that you have read -- or have had read to you -- the information contained in this letter and would like to be a volunteer in this research study.**

Thank you.

