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June 18th, 2019

PARTICIPANT INFORMATION SHEET

Project title: Improve Usability of WebRTC Application using Danmaku

Name of Principal Investigator (PI): Dr. Danielle Lottridge

Name of Co-investigator (Co-Inv): Dr. Gerald Weber

Name of Student Researcher(s): Shi Liu, Yuhuai Luo, Haotian Yao, Yujun Zhang, Jue Zhao

Researcher introduction

We are Shi Liu, Yuhuai Luo, Haotian Yao, Yujun Zhang and Jue Zhao and we are students in the University of Auckland Computer Science / Software Engineering course "Advanced Topics in Human Computer Interaction", completing our Master of Information Technology degree.

Project description and invitation

Our research goal is to investigate a novel way to improve the usability of WebRTC-based web conferencing applications using Danmaku feature. As a student University of Auckland, we would like to invite you to participate in the research we will be undertaking.

Your participation is entirely voluntary and it is at your discretion whether or not you would like to take part.

Project Procedures

A task based interview and a questionnaire are the methods of data collection. The expected time commitment from you will be 30 minutes, and the interview may be carried out fully online. As part of this interview, you will be attending two online seminars using provided web applications. In each seminar, You will be asked to answer

a set of questions using the built-in function of the web applications and participate the discussion with other participants in the same group. After the tasks, you will be given a questionnaire and you would need to complete all survey questions.

Data storage/retention/destruction/future use

Storage: We will store the interview, task data and questionnaire data on password-protected computers and we will store hardcopy data in a secure locked cabinet.

Retention: Because this is coursework research data, it only needs to be kept for the duration of the course, which is until Monday November 18 2021.

Future use: Collected data will be used for the purpose of our assigned course project. Summaries of data will be included in course reports.

Confidentiality: will use coding schemes to keep participants' identities confidential, and will analyse study data separate from any identifying personal information.

Right to Withdraw from Participation

You are free to withdraw from the session at any time without giving reason.

CONTACT DETAILS AND APPROVAL WORDING

| Researcher Name and contact details | Supervisor name and contact details | Head of School name and contact details |
|--|--|--|
| Shi Liu - sliu472@aucklanduni.ac.nz Yuhuai Luo - yluo044@aucklanduni.ac.nz Haotian Yao - hyao333@aucklanduni.ac.nz Yujun Zhang - yzha725@aucklanduni.ac.nz Jue Zhao - ajhz129@aucklanduni.ac.nz | Dr. Danielle Lottridge d.lottridge@auckland.ac.nz Dr. Gerald Weber g.weber@auckland.ac.nz | Dr. Giovanni Russello g.russello@auckland.ac.nz |

For any queries regarding ethical concerns you may contact the Chair, The University of Auckland Human Participants Ethics Committee, The University of Auckland, Research Office, Private Bag 92019, Auckland 1142. Telephone 09 373-7599 extn. 83711. Email: ro-ethics@auckland.ac.nz

APPROVED BY THE UNIVERSITY OF AUCKLAND HUMAN PARTICIPANTS ETHICS COMMITTEE ON 17-Jul-2019 FOR 3 YEARS REFERENCE NUMBER 023373