



## School of Computer Science

### Participant Information Sheet

#### Project background

You are invited to take part in the following project:

*A Computer Vision system for non-verbal communication in 3D virtual worlds*

Before agreeing to take part, please read this information sheet carefully and let us know if anything is unclear or you would like further information.

#### Project Supervisor (UoY):

Supervisor Name: \_\_\_\_\_ Saul Cross \_\_\_\_\_

Supervisor email: \_\_\_\_\_ saul.cross@york.ac.uk \_\_\_\_\_

#### What is the purpose of the project?

This project is being conducted by Rosanna (Rosie) Higgins (rlh604@york.ac.uk) and Saul Cross (saul.cross@york.ac.uk).

The aim of this project is to explore developing a computer system to recognise gestures and body language using images provided by a webcam and cutting edge AI technology. The gestures will be translated into avatar animations in a 3D virtual environment ([Grapevine](#)) for use within the application.

Your participation in this project is voluntary.

#### Do I have to take part?

No, participation is optional. If you do decide to take part, you will be given a copy of this information sheet for your records and will be asked to complete a participant consent form. If you change your mind at any point during the research activity, you will be able to withdraw your participation without having to provide a reason. To withdraw your participation you need to contact either Rosanna Higgins or Saul Cross within one week (see contact details above) and request that your data be withdrawn, and this will be actioned as soon as possible.

#### How will you use my data?

We will collect short video data of you performing different gestures. This data will be translated into pose/gesture keypoint data which will serve as the input to train an AI based classifier model to recognise different body language.

The data collected from you will be anonymised, analysed and used to produce reports. Anonymised data may be reused by the research team or other third parties for secondary research purposes.

## **What will I be asked to do?**

We are recruiting participants for the study. Participating would involve recording a set of four short videos on a webcam, each for a particular gesture. The instructions sheet will explain how to set up the surrounding environment and then you will be asked to perform several iterations of each of the gestures, for example waving hands or raising a hand. After recording the videos you will need to upload them to Google Drive or share via email.

## **How will you keep my data secure?**

Information will be treated confidentially and shared on a need-to-know basis only. We are committed to the principle of data protection by design and default and will collect the minimum amount of data necessary for the project. In addition, we will anonymise or pseudonymise data wherever possible.

In compliance with the General Data Protection Regulation (GDPR) and Data Protection Act 2018, the “data controller” is identified as the University of York. Contact the Data Protection Officer ([dataprotection@york.ac.uk](mailto:dataprotection@york.ac.uk)) for any data protection questions, comments or complaints.

The legal basis for undertaking research under the GDPR are GDPR Articles Article 6 (1) (e) for personal data.

### Participant Consent Form

Thank you for your interest in this project. This project aims to investigate developing a computer system to recognise gestures and body language using images provided by a webcam and cutting edge AI technology. The gestures will be translated into avatar animations in a 3D virtual environment ([Grapevine](#)) for use within the application.

**Please read the following statements carefully and tick the appropriate box:**

	YES	NO
I have read the information sheet about this project	✓	
I agree to take part in this project	✓	
I consent to being recorded for data generation for this project	✓	
I consent to being recorded on video for data generation.	✓	
I understand my right to withdraw and/or destroy my data from this project at any time	✓	
I am over the age of 18	✓	
I agree that data I provide (e.g. pose keypoint data) may be published in anonymised form	✓	

**Participant Name:** Andrew Croft

**Participant Signature:** ACroft

**Date:** 03 / 05 / 2022

**Researcher Name:** Rosanna Higgins

**Researcher Signature:** 

**Date:** 03 / 05 / 2022

