

# Study Information Sheet

## **Study Title:** Exploring the Effectiveness of Robot-Assisted Origami Teaching

PLEASE READ THIS SHEET IN ITS ENTIRETY

You are invited to take part in research taking place at the University of the West of England, Bristol. It is carried out as assignment for module UFMFHP-15-M Human-Robot Interaction. Before you decide whether to take part, it is important for you to understand why the study is being done and what it will involve. Please read the following information carefully and if you have any queries or would like more information please contact *Simon Galand*, Madhurya Mozumder, Chuanbeibei Shi, Kai Yang, Faculty of Environment and Technology, Bristol Robotics Laboratory, University of the West of England, Bristol.

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## **Who is organising the research?**

The project is led by *Simon Galand*, Madhurya Mozumder, Chuanbeibei Shi, Kai Yang, University of the West of England. Manuel Giuliani is the supervisor for this research. Please find their details at the end of this document.

## **What is the aim of the research?**

The overall aim of the research is to investigate the impact of instruction modalities on learning outcomes in robot-assisted origami teaching

## **Why have I been invited to take part?**

We are recruiting participants who are already working at the University of the West of England. People who are a person in need of assistance, deaf, blind have a lack of manual flexibility or are child cannot take part to this study.

## **Do I have to take part?**

You do not have to take part in this research. It is up to you to decide whether or not you want to be involved. If you do decide to take part, you will be given a copy of this information sheet to keep and will be asked to sign a consent form. If you do decide to take part, you are free to stop and withdraw from the study at any time during the study without giving a reason.

## **What will happen to me if I take part and what do I have to do?**

You will first be asked to sign a consent form, read a privacy notice, and provide some basic demographic information. You will then engage in a robot-assisted origami learning session. The study will take approximately 10 minutes.

Data will be gathered using the following methods:

### **Questionnaire**

Participants will be asked to answer a questionnaire evaluating participants' origami skills, learning preferences, and feedback on the instructional methods

### **Written Feedback/Comments**

Participants will be asked to provide feedback on their learning experience.

### **Task Performance**

Assessment of the origami task's completion time and number of prompt needed.

## **What are the possible risks of taking part?**

Participation in this study is considered low risk, with the primary consideration being the time commitment required. No physical risks are associated with the origami tasks.

## **What will happen to your information?**

All the information we receive from you will be treated in the strictest confidence.

All the information that you give will be kept confidential and anonymised. You will be assigned a participant ID that you can use to request the removal of your data from the study up to 7 days after completion of the experiment. After this point, the anonymised data will be analysed, and we will ensure that there is no possibility of identification or re-identification from this point.

Hard copy material (the consent form) will be kept in a locked and secure setting to which only the researchers will have access in accordance with the University's and the Data Protection Act 2018 and General Data Protection Regulation (GDPR) requirements.

## **Where will the results of the research study be published?**

The results of this usability study will be reported in the coursework report for UWE module UFMFHP-15-M Human-Robot Interaction.

## **Who has ethically approved this research?**

The project has been reviewed and approved by University of the West of England University Research Ethics Committee. Any comments, questions or complaints about the ethical conduct of this study can be addressed to the Research Ethics Committee at the University of the West of England at: [Researchethics@uwe.ac.uk](mailto:Researchethics@uwe.ac.uk)

## What if something goes wrong?

If you have any questions about the ethical conduct of this research, have any complaints or concerns, or are uncertain about any aspect of your participation please contact the project supervisors or the University's research ethics committee.

### Project Supervisor:

Professor Manuel Giuliani [manuel.giuliani@uwe.ac.uk](mailto:manuel.giuliani@uwe.ac.uk)

## What if I have more questions or do not understand something?

If you would like any further information about the research please contact in the first instance:

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Thank you for agreeing to take part in this study.

You will be given a copy of this Participant Information Sheet and your signed Consent Form to keep.