

CollabVR: CONSENT TO PARTICIPATE IN RESEARCH

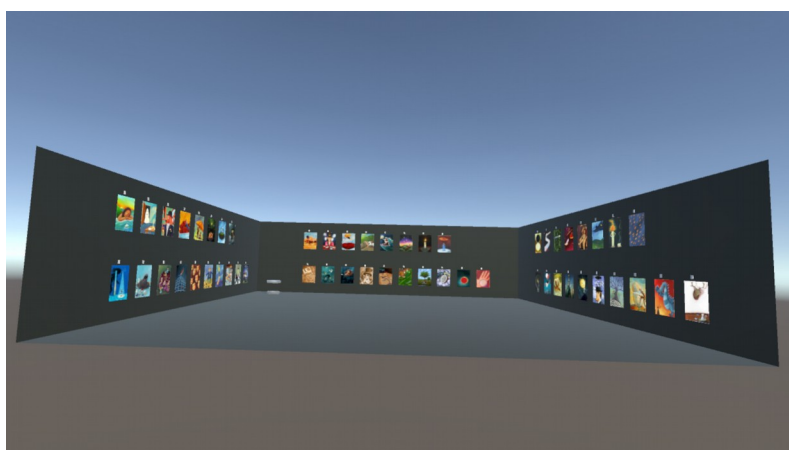
Introduction, Purpose and Contact

We are researchers from the ILDA Inria team at the LISN laboratory (Laboratoire Interdisciplinaire des Sciences du Numérique), conducting an experiment on collaboration in a virtual reality environment. You will be using a virtual reality (VR) headset as shown below and you will be working with another participant to complete some tasks. If you have any complaints, questions, suggestions, or concerns about your participation you may contact Olivier Chapuis (olivier.chapuis@lisen.upsclay.fr). You can send an e-mail to Olivier Chapuis to ask for any publication resulting from the study.



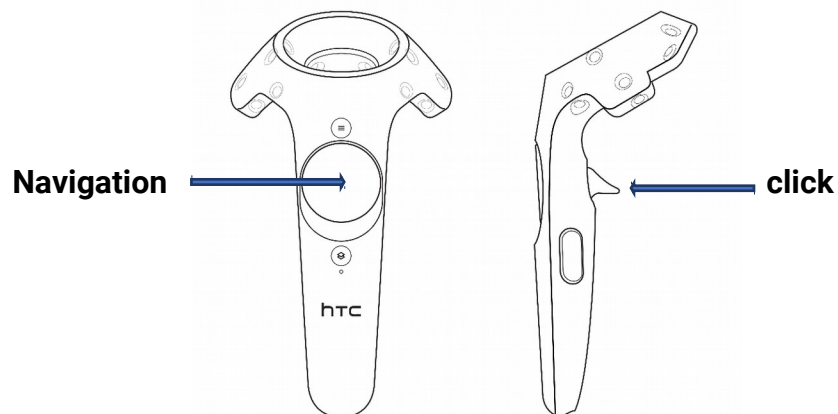
Procedure

A researcher will be present during the experiment. After reading and signing this consent form and answering a demographic questionnaire, you will run the experimental tasks and answer a questionnaire. We will observe you as you perform the tasks. The tasks consist to navigate and manipulate images in a virtual world as shown below, the operator will explain the details of the task, the interaction techniques to navigate into the environment and manipulate the images. You will be guided by the software.



The task consists of coming close to an image of the virtual room (see above) and selecting it. You and your partner should perform the task. At the beginning of a trial (a task), you are either in charge of the navigation in the room or in charge of searching a highlighted image—these roles alternate trials after trials. Only the partner that searches can see the highlighted image, he/she should indicate to his/her partner where the image is, and the other partner should navigate close enough to the image so that the search partner can click on it. Some feedback on the ground indicates whether or not you are close enough to the image to click on it and validate the trial.

The experiment is split into three blocks. You will have to use a different navigation technique in each block: **Drag**, **Joystick**, and **Teleportation**. At the beginning of each block, the operator will explain the technique, and you will have to run some training trials. After the training, you will have to perform the trials as fast as possible. The trackpad is used for navigation and the trigger button for clicking (selecting) the image:



Duration

The experiment consists of one session. The maximum duration of a session is of one hour and half (if this duration is exceeded we will stop the experiment) and we expect that its duration is less than one hour. This includes the time needed to read the consent form and answer a final questionnaire. There will be imposed breaks throughout the experiment. Although the duration assumes that breaks will be short (5 minutes), you will be free to take longer breaks.

Data collection

We will record and store numerical information on all the action you performed during the experiment both in a raw formate and in a aggregated form. We will also store the questionnaire information. We will make some collected data accessible to open science platforms or on a dedicated project web page if the research is published. In all cases, data will be either aggregated or anonymized (no names or contact information).

Data protection

You and your fellow participant will be assigned a unique identifier that is associated with all raw data, including numerical responses and text responses. We will store an association between your name and the identifier on paper only accessible by the research team responsible of the project, this document will be destroyed six weeks after the end of the experiment, making all the collected data anonymous. We will check all text responses for any identifiable information such as names, email addresses, or any ID numbers that are not part of the experiment. If any identifiable information is found, the text response will be deleted. You can ask for your data and also for the destruction of your collected data but only until three weeks after you run the experiment by emailing Olivier Chapuis olivier.chapuis@lisn.upsclay.fr.

Benefits

There is no direct benefit to you from participating in this study and you will not receive remuneration. Ultimately, this study will help us better understand factors that impact collaboration in virtual environment.

Risks and Discomforts

This study does not present any foreseeable risks in participating, beyond those experienced in daily life. Nevertheless, due to the use of the headset, there is a possibility of experiencing dizziness or nausea. In this case you should inform the operator, remove the headset, and the experiment will stop and specific protocol will be applied so that you feel better:

(i) sit in a provided chair for 5 min; (ii) If you still feel uneasy, you will be asked to sit again for 15min or lie on the floor; (iii) if unease persists after 15min, the experimenter will contact the university medical service or the emergency if the medical service cannot be reached.

Participation in research is completely voluntary

You have the right to decline to participate or to withdraw at any point without providing a reason and without penalty or loss of benefits to which you are otherwise entitled.

CONSENT TO PARTICIPATE IN RESEARCH

Please read through and check that you have understood the following:

1. I have read and understood the Information Sheet provided. I have been given a full explanation by the investigators of the nature and likely duration of the study, and of what I will be expected to do.

2. I have been advised about any risks to my health and well-being, which may result. I have been given the contact details of the researcher to ask questions about any aspect of the study and have understood the advice and information given as a result.
3. My participation in this study is voluntary. I understand that I will not be paid for my participation. I may withdraw from the study at any time, without penalty and without needing to justify my decision.
4. I understand that the researchers will not identify me by name and that my confidentiality as a participant in this study will remain secure. I agree for my anonymized responses to be used for this study and published online for anyone to analyze and reuse.
5. I understand that I might be video recorded, but this video will only be seen and analyzed by the experimenters.
6. I confirm that I have read and understood the above and freely consent to participating in this study. I have been given adequate time to consider my participation.
7. You may request to be given a copy of this consent form.

If you would like to take part in this research study, please check the box below, date and sign the document:

- ☐ Yes, I give consent to taking part in this research study
- ☐ Yes, I give permission to use quotes (or excerpts of such quotes) in text form reproduction(s) of me, and/or recording of my voice, in part or in whole, in its publications.

Date:

Signature:

Name:

You can provide your e-mail address here if you want to receive the published papers resulting of the experiment: