

Augmented Reality Experiences with Project North Star: Pilot Iterative Design PARTICIPANT INFORMATION SHEET

Invitation

You are being invited to take part in a research study. Before you decide whether or not to take part, it is important for you to understand why research is being done and what it will involve. Please take the time to read the following information carefully.

What is the purpose of the study?

This study aims to gather insight into behaviours and intuitions of participants who are wearing and interacting with an augmented reality headset and headphones. The experience will focus on delivering audio-visual 3D virtual objects that appear to be localised in the real world through the lens and headphones of these devices. You will be encouraged to move and manipulate these objects in any way you see fit thereby exercising your creativity and ability to gesturally express yourself.

Do I have to take part?

It is up to you to decide whether to take part. If you **do** decide to take part, you will be given this information sheet to keep and be asked to **sign a consent form**. You are still **free to withdraw** at any time and **without giving a reason**.

For students: taking part or not taking part in this study will have **no** impact on your marks, assessments, or future studies.

What will happen to me if I take part?

Agreeing to take part in this study will mean that upon reading the information sheet and signing the consent form, you will

- Complete a short questionnaire based on your familiarity with similar technologies, musical instrument, and artistic abilities.
- Be inducted via a brief and informal tutorial section that introduces you to the devices (a headset and specialist headphones) and their capabilities, including ways in which you may want to interact in the scene with them.
- Independently explore the audio-visual scene via augmented reality devices.
- Partake in a short interview about the experience of the devices, and the blended real/virtual experience that you interacted with.

What are the possible disadvantages of taking part?

This study will take approximately 45 minutes to 1 hour.

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What are the possible benefits of taking part?

Taking part in this study will grant you the opportunity to interact with cutting edge hand and head tracking technologies. Typically, in AR studies, this technology is only available as part of extremely expensive and delicate equipment. This is however, not true in this case due to the open-source and DIY nature of this headset.

Additionally, you will be directly benefitting the open-source community that contributes to the design of the AR headset and its software framework. Your interaction in this study will grant further understanding to intuitive interactions within expressive audio-visual experiences of AR devices and content.

Will my information in this study be kept confidential?

Your information will be kept strictly confidential. Contributions to the study via your questionnaire and interview answers and your activity with the headset and the content that it displays audio-visually will be anonymised so that there is no identifiable factors within its use in storage and publication of resultant research material.

What will happen to the results of the research study?

The anonymised results of this research study will be used in my music technology PhD thesis and may also be published. To obtain a copy of the published work please contact me.

Who is organising and funding the research?

I am conducting this research as a PGR student of the University of Sussex (School of Media, Arts and Humanities). My research is funded by the Leverhulme Trust via their Doctoral Scholarship Programme at the University of Sussex.

Who has approved this study?

This study has been approved by the Social Sciences & Arts Cross-Schools Research Ethics Committee. The reference number is ER/SMB44/3

Contact for Further Information

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Insurance

The University of Sussex has insurance in place to cover its legal liabilities in respect of this study.

Thank you for taking the time to read this information sheet.

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