

**Participant Information Sheet For All Participants**

UCL Research Ethics Committee Approval ID Number: 529

YOU WILL BE GIVEN A COPY OF THIS INFORMATION SHEET

Title of Study: Music Futures Fellowship: Rethinking Audience-Performer Interactions with Active Reverberation Technologies

Department: Civil, Environmental and Geomatic Engineering

Name and Contact Details of the Researcher: Dr Sara Adhitya (s.adhitya@ucl.ac.uk)

Name and Contact Details of the Principal Researcher(s): Professor Nick Tyler (n.tyler@ucl.ac.uk)

1. Invitation Paragraph

You are being invited to take part in a research project which is a pilot study to initiate investigating the effects on performers and audience members of playing/hearing music in different acoustic conditions.

Participation is entirely voluntary. Before you decide, it is important for you to understand why the research is being done and what participation will involve. Please take time to read the following information carefully and discuss it with others if you wish. Ask us if there is anything that is not clear or if you would like more information. Take time to decide whether or not you wish to take part. Thank you for reading this.

2. What is the project's purpose?

This project is to see if we can understand how musicians respond to performing with each other under different acoustic conditions, and to see how audience members respond emotionally to performances under different acoustic conditions.

3. Why have I been chosen?

The Inclusion Criteria for this project are that you have been chosen because either you are a performing musician who has responded to our call for expressions of interest and have been selected to perform in this experiment, or you have responded to our advertisement for audience members to participate in this experiment. The inclusion criteria for audience members is that you have no diagnosed hearing impairment, and that you are familiar with the kind of music to be performed in the experiment (but you do not need to know the actual pieces being performed).

The Exclusion Criterion is that you must be over the age of 18 years.

The experiment will last for one hour.

4. Do I have to take part?

It is up to you to decide whether or not 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 before you start the experiment. You can withdraw at any time up to 18 June 2025, without giving a reason and

without it affecting any benefits that you are entitled to. If you decide to withdraw your data will be deleted at that point. If you decide to participate, your data will be retained on the UCL secure server and will be deleted on or before 30 September 2025.

5. What will happen to me if I take part?

You will be asked to arrive at UCL PEARL in June 2025. You will be informed of a date and time to attend. A detailed guide of how to get to UCL PEARL including step-free route is available at https://www.pearl.place/files/ugd/5caae9_22576d0097ef4f8da5f09a08c6b26c7f.pdf. Once you have arrived at the Welcome desk at UCL PEARL, the Community Partnerships Team will receive you and introduce you to the project, provide a copy of this sheet and the consent form. If you decide to participate, you will be asked to read and sign the Consent Form. If you decide to participate, your personal data will be retained on the UCL secure server and will be deleted on or before 30 September 2025.

We will then invite you to consent to having data collected on your brain activity using an Electro Encephalogram (EEG) headset and/or heart rate using an electrodermal activity sensor (EDA) or Fitbit. One person (who has consented) will be randomly selected to be instrumented for data collection for each technology. We will capture baseline data in the space before the audio work is played.

We will then take you to a space in the PEARL facility which has been set up for the performance. This space will be reconfigured to enable us to test a variety of different reverberation characteristics. We will also ask you to listen to the performance in a variety of ways (e.g. seated or moving about).

In the experiments, you will be asked to answer a pre-experiment questionnaire to judge your state of mind (e.g. flustered, agitated, happy, etc.).

We will capture through these questionnaires your:

- Demographic information: including age, gender, ethnicity, and professional role
- Baseline emotional state on arrival at PEARL

After the experiment we will ask you some questions about your responses after experiencing the performance.

The total time for data measurement will be less than 1 hour. This will take place during a workshop which will last for approximately 3 hours.

If you are an Audience participant, you will be unable to withdraw your data after the end of the experiment.

If you are a Performer Participant, once you have agreed to participate in the experiment you will be expected to participate and you will be unable to withdraw your data at any time.

All data that has not been withdrawn will be stored securely on UCL One Drive secure storage and deleted on or before 30 September 2025.

6. What are the possible disadvantages and risks of taking part?

There is a possibility that, as with listening to any piece of music, the experience might cause you to feel emotional. You may ask to leave the experiment at any time if you feel you do not wish to continue. If you feel you require extra support, all members of the research team will be able to

direct you to places where you can seek further support.

7. What are the possible benefits of taking part?

Whilst there are no immediate benefits for those people participating in the project, it is hoped that the experience will be interesting. Your participation would help us understand how performance spaces might be designed in the future to allow for active reverberation technologies, and how we can optimise performer-audience interactions. This is a pilot study which may inform a larger study in the future.

8. What if something goes wrong?

At any point, if you feel uncomfortable or something goes wrong, please inform the researcher and they will seek to find you a solution. However, if your issues are not resolved, please relay the information to Professor Nick Tyler or Dr Sara Adhitya.

If something serious were to occur to you due to adverse events resulting from the experiments, please contact the Chair of the UCL Research Ethics Committee (ethics@ucl.ac.uk)

9. Will my taking part in this project be kept confidential?

Yes. You will be allocated an anonymous identifier which will be used throughout the experiment and, if necessary, in any publication resulting from the project, so that you cannot be identified. All the information that we collect about you during the research will be kept strictly confidential and stored on the UCL Secure Server. It will be deleted on or before 30 September 2025. You will not be able to be identified in any ensuing reports or publications.

10. Limits to confidentiality

Confidentiality will be respected subject to legal constraints and professional guidelines (see Paragraph 12).

11. What will happen to the results of the research project?

The data from this project will contribute towards the development of a programme of research into how we might design performance spaces which utilize active reverberation technologies to optimize performer-audience interaction. You will not be identified in any report or other dissemination activity.

12. Local Data Protection Privacy Notice

For recruitment, we will only collect your name, phone number and email address to aid in the recruitment process. It will be stored safely on a secure password protected UCL OneDrive database and will be permanently deleted from the recruitment team's records on or before 30 September 2025. Only the Community Partnerships Team at PEARL will know these details: the Researchers will only know your Allocated Participant Number.

For the data collection, all data will be anonymously used for the subsequent data analysis. It will be stored safely on a secure password protected UCL OneDrive database and will be permanently deleted before 30 September 2025. Only anonymous findings will be presented in any forthcoming .

Notice:

The controller for this project will be University College London (UCL). The UCL Data Protection Officer provides oversight of UCL activities involving the processing of personal data and can be contacted at data-protection@ucl.ac.uk.

This 'local' privacy notice sets out the information that applies to this particular study. Further information on how UCL uses participant information can be found in our 'general' privacy

notice: <https://www.ucl.ac.uk/legal-services/privacy/ucl-general-research-participant-privacy-notice>.

The information that is required to be provided to participants under data protection legislation (GDPR and DPA 2018) is provided across both the 'local' and 'general' privacy notices.

The lawful basis that would be used to process your personal data will be performance of a task in the public interest.

The lawful basis used to process special category personal data will be for scientific and historical research or statistical purposes.

If you are concerned about how your personal data is being processed, or if you would like to contact us about your rights, please contact UCL in the first instance at data-protection@ucl.ac.uk.

13. Who is organising and funding the research?

University College London.

14. Contact for further information

For further information, please contact Professor Nick Tyler (n.tyler@ucl.ac.uk) or Dr Sara Adhitya (s.adhitya@ucl.ac.uk)

Thank you for reading this information sheet and for considering to take part in this research study.