

High Resolution Photo-Realistic Faces for Photorealistic Telepresence & Challenge

Dear Participant (18 years and over),

You are invited to take part in a real research experiment.

What is the experiment about?

How does your face look in high resolution and under different lights? How does your pore change under different expressions and illuminations? Come and help our researchers from Department of Computing Imperial College learn more about how we can record and use faces in high resolution and different lights for improving telepresence applications. We will run an international academic challenge using the collected data.

What will happen in the experiment?

If you decide to take part, you may be asked to make several different facial poses and facial expressions in a light stage. The camera will record the facial expressions you make and upload the images onto a computer. You can then look at your own images up close on one of our computer screens. The experiment will take approximately 20-30 minutes to complete. Because the way facial skin emits light depends on age, as well as skin color, we need to develop bespoke models (e.g., for different age, as well as ethnicity). Hence, we will also ask you for some basic information, such as your age, gender and ethnicity. This information will be kept strictly confidential. We will share your captured data to other academic institutions and industrial partners to facilitate further work on the topic and run challenges in reputable international conferences.

Aggregated or anonymized information (i.e., information that does not directly or indirectly identify you), may be used more widely (see “Why are we doing this study?” and “What will happen to the results of this research?” below for more information).

Why are we doing this study?

We hope to accurately reconstruct your 3D facial surface with pore level details and train algorithms to reconstruct high-resolution faces from low-resolution images. This study can also help develop new telepresence applications and improve facial expressions seen in computer games and virtual reality. We would like to facilitate international work on the topic.

Who can take part in the study?

Anyone is welcome to take part, but we recommend the experiment for 18 and over. You should not take part in the study if you are diagnosed with photosensitive epilepsy.

Can I change my mind?

You can change your mind at any time during the collection process. It is completely voluntary, and you do not have to give a reason if you want to stop at any point. Following your objection/consent withdrawal, any data collected will not be used in the final study and will be destroyed. Please note that you cannot withdraw your consent in respect of data that has been anonymised or aggregated as it is no longer possible to link that data set to you and therefore will not be destroyed. If you wish to change your mind, please send us an email and we will destroy the data.

What will happen to the results of this research?

Imperial College London is the sponsor for this study based in UK. We will be using information from you and your records to undertake this study and will act as the data controller for this study. This means that we are responsible for looking after your information and using it properly. To facilitate academic work on the topic your data may be shared with other academic and/or research institutions to run challenges in international conferences.

Imperial College London will keep identifiable information about you for:

- 10 years after the study has finished in relation to data participant consent forms.

Further information on Imperial College London's retention periods may be found at <https://www.imperial.ac.uk/media/imperial-college/administration-and-support-services/records-and->



[archives/public/RetentionSchedule.pdf](https://www.imperial.ac.uk/admin-services/secretariat/information-governance/data-protection/). A link to Imperial College London's data protection webpage may be found at <https://www.imperial.ac.uk/admin-services/secretariat/information-governance/data-protection/> but this is the notice most applicable to the information provided by participants and therefore takes precedence for all purposes described hereunder.

Aggregated or anonymized data sets can be created using your data (in a way which does not identify you individually) and be used for such research or commercial purposes. The study results may be published in scientific journals or presented at scientific conferences. The information gathered from the facial images taken will be used to create models and/or data patterns. We can provide a summary and a final report to participants on request.

The personal Information we collect and how we collect it.

During the research study Imperial College London will collect the following personal information when you provide it to us:

- your email address.
- your name, sex, year of birth, ethnic group.

Our Legal Basis.

As a university we use personal information to conduct research to fulfil the university's public task as a publicly funded organization and in accordance with its charitable objectives. We must ensure that when we use personally identifiable information from people who have agreed to take part in research, that our public task is properly notified to you and are not overridden by your rights. The processing of any special category data (gender, ethnicity) will be done in accordance with Article 9.2 of the General Data Protection Regulation. We will conduct scientific research in compliance with the law and the recommendations and guidance published by the UK Information Commissioners Office (ICO).

When you agree to take part in a research study, the information you provide may be shared with researchers running other research studies in this organization and in other organisations. These organisations may be universities or companies involved in similar research in this country or abroad. However, we will take such steps as are ethical, appropriate, and in line with the law and the UK Information Commissioners Office (ICO) Guidance, to minimize the personal aspects of the data in both processing and sharing.

Your Rights.

When we process your personal information, your usual statutory rights to access, change or move your information are limited, because of exceptions applicable to some types of research, and because we need to manage your information in specific, lawful ways in order for the research to be reliable and accurate. To safeguard your rights, we will use the minimum personally identifiable information possible.

International Transfers.

There may be a requirement to transfer information to countries outside UK (for example, to a research partner or to our commercial partners). Where this information contains your personal data, Imperial College London will ensure that it is transferred in accordance with data protection legislation. If the data is transferred to a country, which is not subject to a European Commission (EC) adequacy decision in respect of its data protection standards, Imperial College London will enter into a data sharing agreement with the recipient organization that incorporates EC approved standard contractual clauses that safeguard how your personal data is processed or otherwise ensure that such transfer is legally compliant with data protection laws.

What if something goes wrong?

If you are harmed by taking part in this research project, there are no special compensation arrangements. If you are harmed due to someone's negligence, then you may have grounds for a legal action. Regardless of this, if you wish to complain, or have any concerns about any aspect of the way you have been treated during the course of this study then you should immediately inform the Investigator (Stefanos Zafeiriou, email: s.zafeiriou@imperial.ac.uk, tel: +447717564097). If you are still not satisfied with the response, you may contact the Imperial College, Joint Research Compliance Office."

What do I get from this experiment?

We offer a small financial reimbursement of £30 per participant. A portion of your facial data and your 3D face model may be provided.



Who has reviewed this study?

This study was given ethical approval by Imperial College Science Engineering and Technology Research Ethics Committee (SETREC).

Contact Us.

If you wish to raise a complaint on how we have handled your personal data or if you want to find out more about how we use your information, please contact the research team via (+447717564097/ s.zafeiriou@imperial.ac.uk)
If you are not satisfied with our response or believe we are processing your personal data in a way that is not lawful you can complain to Imperial College London's Data Protection Officer via email at dpo@imperial.ac.uk, via telephone on 020 7594 3502 and via post at Imperial College London, Data Protection Officer, Faculty Building Level 4, London SW7 2AZ.

Who is funding this study?

The study is funded by Imperial College London.

How do I find out more about the study?

You are very welcome to ask the researchers directly if you have any questions. You may also e-mail questions to Stefanos Zafeiriou:

s.zafeiriou@imperial.ac.uk

For more information and to see the results of this study please visit our website:
<https://wp.doc.ic.ac.uk/szafeiri/photo-faces/>

If you subsequently have a complaint, please contact, Stefanos Zafeiriou

