

Permission to Take Part in a Human Research Study

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Title of research study: Image and Video Quality Assessment***IRB Protocol Number:*** 26-0427***Investigator:*** Pragyadipta Adhya***Key Information***

This is a summary of the research study to help you decide whether to participate. Detailed information is provided below in this document.

- **Voluntary Participation:** Your participation in this research is entirely voluntary. You may choose not to participate, or you may withdraw at any time. Your decision will have no negative impact on your grades, or your academic standing.
- **Purpose:** The general purpose of this study is to understand how people perceive differences in facial skin tones to help improve future face-rendering technologies.
- **Procedures and Time Commitment:** If you agree to participate, you will attend two in-person visits within a 7-day timeframe. Each visit will last approximately 1 hour. You will sit at a private computer workstation and rate the visual quality of 3D facial renders on a scale from 0 (Totally Unacceptable) to 100 (Totally Acceptable).
- **Risks:** The risks associated with this study are minimal to none.
- **Benefits:** There is no direct benefit to you for participating in this study.

Purpose of the Study

The purpose of the study is to understand how people perceive differences in facial skin tones. We anticipate that the outcomes of this investigation will contribute to advancements in future face-rendering technologies. Results from this Study may be published in academic publications or other scholarly outlets, with only non-personally identifiable data reported.

We expect that you will be in this research study for two sessions, each lasting approximately 1 hour within a timespan of 7 days from the first visit.

We expect about 50 people will be enrolled in this research study and 45 of them to complete the study. Participation in this Study is entirely voluntary, and you can choose to withdraw at any time without penalty or loss of course/class credit benefits to which they are otherwise entitled. Data collected before a you decide to withdraw may still be included in the analysis, unless you submit a written request to remove it.

Explanation of Procedures

The Study requires two in-person visits, which must be completed within a 7-day timeframe. They will take place at the Administrative and Research Centre, Room ARCE A434, 3100 Marine Street, Boulder, CO 80303. Each visit will last approximately one hour.

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HRP-502: TEMPLATE – Consent Document

When you arrive, study staff will escort you to the designated laboratory space, set up a color-calibrated computer monitor for you, and then remain outside to ensure you have a private room while you complete the tasks.

During each visit, you will view a series of 3D facial images or videos on the computer screen. Your task is to simply rate the visual quality of each face based on how acceptable it looks to you. You will provide your rating on a scale of 0 to 100, where 0 means "Totally Unacceptable" and 100 means "Totally Acceptable." In simple terms, we are asking for your natural opinion on how realistic and visually pleasing the skin tone and overall appearance of the rendered face is. As you will be looking at a screen, a mandatory 3-minute break is built into the middle of each session.

At the end of your second visit, you will complete an additional 5-minute questionnaire regarding basic demographic information (such as age range and use of corrective lenses) and your overall experience in the study. Completing this final questionnaire concludes your second visit.

The study schedule is given in the below table.

Visit #	Procedures/Tools	Location	How much time will the visit take
Visit 1	Complete quality rating for one batch of samples selected for you	ARCE A434, Administrative & Research Centre. 3100 Marine Street. Boulder, 80303	Approximately 1 hour
Visit 2	Complete quality rating for one batch of samples selected for you	ARCE A434, Administrative & Research Centre. 3100 Marine Street. Boulder, 80303	Approximately 1 hour

We cannot tell you everything about what we are doing in this study or why. A full explanation of the purpose of the research and procedures will be provided after you complete the study.

Voluntary Participation and Withdrawal

Whether or not you take part in this research is your choice. You can leave the research at any time, and it will not be held against you.

The person in charge of the research study can remove your data from the research study without your approval. Possible reasons for removal include an algorithmic post-experiment screening process will be implemented to ensure data quality. Your data will be excluded from the final analysis if:

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- (i) Your response patterns deviate significantly from the aggregate distribution of the participant pool and are detected as outliers.
- (ii) Your performance on “gold standard” reference deviates from the expected baselines established during our pilot experiment.

If you are a CU Boulder student or employee, taking part in this research is not part of your class work or duties. You can refuse to enroll, or withdraw after enrolling at any time, with no effect on your class standing, grades, or job at CU Boulder. You will not be offered or receive any special consideration if you take part in this research.

Risks and Discomforts

While there is no anticipated psychological or emotional distress, there are two minimal risks associated with participating in this study. First, there is a potential risk of a breach of confidentiality, as the study involves collecting identifiable information via signed consent forms. Second, because participants will be focusing intently on a computer monitor to evaluate 3D visual stimuli, there is a minor physiological risk of temporary eye strain or visual fatigue.

It is important that you tell the Principal Investigator, Pragyadipta Adhya if you think you have been injured because of taking part in this study. ***You can call him at +1-7205458034.***

Alternatives

This research is not designed to diagnose, treat, or prevent any disease. Your alternative is to not take part in the research.

Confidentiality

Information obtained about you for this study will be kept confidential to the extent allowed by law. Research information that identifies you may be shared with the University of Colorado Boulder Institutional Review Board (IRB) and others who are responsible for ensuring compliance with laws and regulations related to research, including people on behalf of the Office for Human Research Protections. The information from this research may be published for scientific purposes, however, your identity will not be given out in the published data.

The Study treats all information related to the research, including Study data and participant feedback (collectively, “Confidential Information”), as strictly confidential. You must use Confidential Information only to complete Study tasks and must not disclose, share, or use it outside the Study or share the details of the Study with anyone. Study staff will keep all information collected about participants confidential. The Study may publish results for scientific or academic purposes, but it will not reveal your identity. The final de-identified dataset will be archived and published under an appropriate open-access license for non-profit and academic use. Any identifiable information linking you to this study will be removed from the collected experimental data. After these identifiers have been removed, the de-identified data may be used for future research studies, published or distributed to other researchers for future studies without requiring any additional informed consent from you or any legally authorized representative.

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Cost of Participation

There is no direct cost to the participants other than the time committed and any potential transportation and parking costs incurred to travel to the laboratory.

Questions

If you have questions, concerns, or complaints, or think the research has hurt you, talk to the research team at pragyadipta.adhya@colorado.edu

This research has been reviewed and approved by an IRB. You may talk to them at (303) 735-3702 or irbadmin@colorado.edu if:

- Your questions, concerns, or complaints are not being answered by the research team.
- You cannot reach the research team.
- You want to talk to someone besides the research team.
- You have questions about your rights as a research subject.
- You want to get information or provide input about this research.

Signatures

Your signature documents your permission to take part in this research.

Signature of subject

Date

Printed name of subject

Signature of person obtaining consent

Date

Printed name of person obtaining consent

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