

Participant Information Sheet

**Study title**

Comparison between Human Chess, LC0 and LC0 with fine-tuned parameters

**Researcher’s name**

Meet Chandreshkumar Shah, Dr Soren Riis

**Queen Mary Ethics of Research Committee reference number:**

[Insert reference number allocated to your study by the Research Ethics Facilitators]

**Invitation paragraph**

The research being done is completely voluntary to participate in. Please take the time to read the purpose and design of this study to ensure you know the details of this study and can confirm that you voluntarily wish to participate in this study.

**What is the purpose of the study and what would taking part involve?**

Aim of Study

The aim of this study is to compare the thought processes and evaluation between the fine-tuned Leela Chess Zero Engine, the non-fine-tuned engine and the participant, and to verify if the fine-tuned engine can mimic human play of specific ELO strength

Design of Study

The study will consist of certain chess positions given to the participant, and the participant must share their thought processes based on the position and give their evaluation and opinion of the position from both sides.

Information required from Participant

* Age
* FIDE/ECF ELO
* Evaluation of given positions
* Thought processes of given positions

Method of Data Collection from Participant

The researcher will simply take notes of the above information in writing and use it to fine-tune the parameters of the LC0 Chess Engine

**Why am I being invited?**

You are being invited to participate in this research as your FIDE/ECF Elo Strength is above 1200. You cannot take part in this study if:

1. You are under 18
2. Your ECF/FIDE Elo is below 1200

**Do I have to take part?**

This participant information sheet has been written to help you decide if you would like to take part. It is up to you whether you wish to take part. If you do decide to take part you will be free to withdraw at any time without needing to provide a reason, and with no penalties or detrimental effects.

**What are the possible benefits of taking part?**

Your participation in this research will help in creating a chess engine that can be used by amateur chess players for personal training sessions, completely free of cost, and against a more human-like engine with rating corresponding to FIDE Elo

**What are the possible disadvantages and risks of taking part?**

There are no disadvantages or risks of taking part in this study

**Expenses and payments**

There are no expenses that will incur in this study. The participant will not receive any monetary compensation of any form.

**What information about me will you be collecting?**

Information collected from Participant

* Age
* FIDE/ECF ELO
* Evaluation of given positions
* Thought processes of given positions

**How will my data be stored and who will have access to it?**

Your data will be stored in a format that corresponds to your age and Elo (no identifiers such as name, rating code, member id will be used) in a Word Document on an external HDD, and only the researchers (Meet Chandreshkumar Shah, Dr Soren Riis) will have access to it.

**When and how will my data be destroyed?**

Upon the successful completion of this study, your data will be erased from above mentioned external HDD by deletion of the Word Document and all its copies in the HDD.

**How will my data be used and shared?**

Your data will be used for the purpose of comparing the results with the fine-tuned LC0 Chess Engine. This data will only be shared among the two researchers.

**Under what legal basis are you collecting this information?**

Queen Mary University of London processes personal data for research purposes in accordance with the lawful basis of ‘public task’.

Please read [Queen Mary’s privacy notice for research participants](http://www.arcs.qmul.ac.uk/media/arcs/policyzone/Privacy-Notice-for-Research-Participants.pdf) containing important information about your personal data and your rights in this respect. If you have any questions relating to data protection, please contact Queen Mary’s Data Protection Officer, Queens’ Building, Mile End Road, London, E1 4NS or [data-protection@qmul.ac.uk](mailto:data-protection@qmul.ac.uk) or 020 7882 7596.

**What will happen if I want to withdraw from this study?**

If you wish to withdraw from the study, you must do so by emailing the researcher (email address provided at the bottom of this page) and must do so no later than 3 weeks after your participation date. The option to withdraw from this study is no longer available after this period.

**What should I do if I have any concerns about this study?**

If you have any concerns about the manner in which the study was conducted, in the first instance, please contact the researcher(s) responsible for the study: Meet Chandreshkumar Shah. If you have a complaint which you feel you cannot discuss with the researchers then you should contact the Research Ethics Facilitators by e-mail: [research-ethics@qmul.ac.uk](mailto:research-ethics@qmul.ac.uk). When contacting the Research Ethics Facilitators, please provide details of the study title, description of the study and QMERC reference number (where possible), the researcher(s) involved, and details of the complaint you wish to make.

**Who can I contact if I have any questions about this study?**

Meet Chandreshkumar Shah

[m.c.shah@se20.qmul.ac.uk](mailto:m.c.shah@se20.qmul.ac.uk)