

# Participant Information Sheet for AI Testing of Good Dad AI

**Name of department:** Computer and Information Sciences

**Title of the study:** AI for Games: Being A Good Dad

## Introduction

Hello my name is Mauro Di Nardo, I am 5<sup>th</sup> year Software Engineering student here at the University of Strathclyde. I am currently undertaking my dissertation project on adaptive AI (Artificial Intelligence) for games. This investigation aims to explore which type of AI opponent people prefer playing against in a board game.

## What is the purpose of this research?

This research aims to find what type of AI people enjoy playing against. Typically, modern games offer a few AI set at static difficulties, these tend not to be very engaging as they are either too easy that they do not provide a challenge, or too difficult to the point where they do not give the player a chance. An adaptive AI is one which changes its play style to match the skill level of the opponent.

In this study I hope to evaluate how much players enjoy playing against the adaptive AI and how their experience with it differs from more typical AI.

## Do you have to take part?

No, participation is entirely voluntary. Withdrawing from this investigation will not impact the way you are treated. You have the right to withdraw your results from the investigation at any point without any justification. If you do decide to withdraw your participation during the study any and all data related to you will be destroyed and not analysed. However, after this study data will be kept anonymous and analysed, your results will not be removable from the analysis.

## What will you do in the project?

During this study you will be asked to play a game of Ultimate Tic Tac Toe against a random selected AI. The rules of the game will be explained before you play, and you can play one game to familiarise yourself with the game. After the game with the anonymous AI you will be asked a few questions about your experience of the game. You will then play as second randomly selected AI and, after a game with it, will be asked again about your experience of the game. Lastly you will be asked to compare the two games. The entire study should take no longer than 30 minutes.

## Why have you been invited to take part?

You have been asked to take part because you are over the age of 18.

## The place of useful learning

The University of Strathclyde is a charitable body, registered in Scotland, number SC015263

**What are the potential risks to you in taking part?**

The study requires you to sit in front of a computer and use computer and mouse inputs. The potential risk has been deemed minimal.

**What information is being collected in the project?**

In this project you will be asked to evaluate your experiences with two AI. The results of your games will be recorded, along with how well you played. All information provided will be used to measure the performance of the adaptive AI, and measure what AI you enjoyed playing against. The information will be presented in a table in my final report. There is the potential that direct quotes from your session may be made in the report (These will not refer to you by name).

**Who will have access to the information?**

Information collected during this study will be made pseudo-anonymous, you will be given a numeric ID, and kept confidential. No identifying information will be collected during this study. If you choose to withdraw your participation from this study, it must be done before information has been analysed as results from the analysis cannot be altered. Your information will be automatically recorded and stored in a secure database.

**Where will the information be stored and how long will it be kept for?**

Information about how well you played as well as the results of your game will be automatically recorded by the system. Data will be stored in a secure database. No personal information will be retained after the study is complete and all information collected will be destroyed within 2 years.  
data with no consent form]

**What happens next?**

If you want to participate in this study, please sign and return the consent form overleaf.

If you do not want to participate, thank you for taking the time to read this.

**Researcher contact details:**

Mauro Di Nardo –Strathclyde Computer and Information Science  
LT1420 – Livingston Tower, 26 Richmond Street, Glasgow, G1 1XH

Email – [mauro.di-nardo.2014@uni.strath.ac.uk](mailto:mauro.di-nardo.2014@uni.strath.ac.uk)

**Chief Investigator details:**

Dr. John Levine – Strathclyde Computer and Information Science  
LT1420 – Livingston Tower, 26 Richmond Street, Glasgow, G1 1XH

Telephone – 01415484524      Email – [john.levine@strath.ac.uk](mailto:john.levine@strath.ac.uk)

This research was granted ethical approval by the University of Strathclyde Ethics Committee.

**The place of useful learning**

The University of Strathclyde is a charitable body, registered in Scotland, number SC015263

If you have any questions/concerns, during or after the research, or wish to contact an independent person to whom any questions may be directed or further information may be sought from, please contact:

Secretary to the University Ethics Committee  
Research & Knowledge Exchange Services  
University of Strathclyde  
Graham Hills Building  
50 George Street  
Glasgow  
G1 1QE

Telephone: 0141 548 3707  
Email: [ethics@strath.ac.uk](mailto:ethics@strath.ac.uk)