

Real-time Player Adaptable PCG Using Gameplay Analysis Techniques

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Supervisor(s) : Dr. Sandro Spina

Information about the study

My name is Liam Scicluna and I am a 3rd year student at the University of Malta, reading for a Bachelors in Computing Science. I am presently conducting research as part of my dissertation titled Real-time Player Adaptable PCG Using Gameplay Analysis Techniques; this is being supervised by Dr Sandro Spina (sandro.spina@um.edu.mt). The aim of my study is to evaluate a procedural content generation technique which adapts level generation to the characteristics of the player.

Your Participation

Any data collected from this research will be used solely for purposes of this study. Only game related data will be collected and at no point in time will personal information will be collected. Should you choose to participate, you will be asked to play a game and answer a short questionnaire following the game. Participation in this study is entirely voluntary; in other words, you are free to accept or refuse to participate, without needing to give a reason. You are also free to withdraw from the study at any time, without needing to provide any explanation and without any negative repercussions for you. Should you choose to withdraw, any data collected from you will be erased. If you choose to participate, please note that there are no direct benefits to you. Your participation does not entail any known or anticipated risks.

Data Management

The anonymous data collected whilst playing the games will be stored on a local PC and only used to evaluate the performance of the level generation algorithm. Similarly for the data collection using the Google Forms questionnaire.

Please note also that, as a participant, you have the right under the General Data Protection Regulation (GDPR) and national legislation to access, rectify and where applicable ask for the data concerning you to be erased if this is technically possible.

Participant's consent

- I hereby declare to have read the information about the nature of the study, my involvement and data management.
- I have had the opportunity to ask questions about the study and my questions have been satisfactorily answered.
- I declare that I am 18 years or older.
- I understand that should I have any further queries, I can contact Liam on liam.scicluna.20@um.edu.mt.
- I agree to participate in this research study by checking the checkbox and by clicking on Start Game button on the website <http://spaceshooter.live>