

Online Evaluation

TRINITY COLLEGE DUBLIN

INFORMATION SHEET FOR PROSPECTIVE PARTICIPANTS

BACKGROUND OF RESEARCH: The purpose of the study is to investigate how visualizations of performance data can support parallel programming. It is being conducted as part of the Lero Software Engineering Research Centre, and is enabled by funding from Science Foundation Ireland. We have built a prototype tool to visualize parallel performance data, and would like your help in evaluating the effects and potential benefits of using such tools.

PROCEDURES OF THIS STUDY: The study should take approximately 30 minutes of your time. You will be asked a number of questions about your programming experience. As experience forms part of the analysis, these questions must be answered if you wish to participate in the experiment. You will then be shown a series of visualizations of parallel performance data and asked to identify problems that might be present in these programs. Following the experiment, you will be asked to fill in a usability questionnaire. You may contact the research team by email before or after the experiment. An incentive of a £10 voucher is offered in appreciation of your input, you will be asked for your email address in order to receive this. Your email address will be held separately from the experiment data, and deleted when no longer needed. All data will be held on a secure server in the School of Computer Science and Statistics at Trinity College Dublin.

PUBLICATION: The results of the experiment may be used in scholarly publications. No personally identifying information will be published. Copies of the research results will be available on request from the Principal Investigator (details below).

DECLARATIONS

You will be asked to make the following declarations on the consent form:

- I am 18 years or older and am competent to provide consent.
- I have read, or had read to me, a document providing information about this research and this consent form. I have had the opportunity to contact the research team to ask questions and all my questions have been answered to my satisfaction and understand the description of the research that is being provided to me.
- I understand that my interaction with the system will be logged.
- I agree that my data is used for scientific purposes and I have no objection that my data is published in scientific publications in a way that does not reveal my identity.
- I understand that if I make illicit activities known, these will be reported to appropriate authorities.
- I freely and voluntarily agree to be part of this research study, though without prejudice to my legal and ethical rights.
- I understand that participation in this study is entirely voluntary and that I can withdraw from the study at any time without giving a reason.
- I understand that my participation is fully anonymous and that no personal details about me will be recorded beyond my email address which I can optionally provide in order to receive the incentive, and which will be deleted afterwards.
- I understand that I can make subsequent contact with the Principal Investigator Dr. Gavin Doherty (via email: Gavin.Doherty@tcd.ie) if I wish to obtain a copy of any papers derived from the research.
- I understand that if I, or anyone in my family, have a history of epilepsy then I am proceeding at my own risk.
- I have received a printable copy of this agreement

QUERIES AND DEBRIEFING

You may contact the Principal Investigator for this project before or after participation at Gavin.Doherty@tcd.ie with any questions or queries you may have, or if you wish to receive copies of any publications on the study.