



Participant Information Sheet

Study Title: Exploring the Effect of Image Resolution on Casualty Identification in a Human-Swarm Simulation

Researchers: Dr Jediah Clark, Dr Mohammad Divband Soorati, Dr Miguel Massot-Campos, Ashley Pare, William Hunt, Dr Mohammad Naiseh.

ERGO number: 69418

You are being invited to take part in the above research study. To help you decide whether you would like to take part or not, it is important that you understand why the research is being done and what it will involve. Please read the information below carefully and ask questions if anything is not clear or you would like more information before you decide to take part in this research. You may like to discuss it with others, but it is up to you to decide whether to take part. If you are happy to participate you will be asked to sign a consent form.

What is the research about?

The 'Trustworthy human-swarm partnerships in extreme environments' project aims to understand the contextual factors and technical approaches underlying trustworthy human-swarm (of drones) teams.

This study, in particular, explores the nature of controlling a swarm and identifying the locations of casualties in a search-and-rescue simulation. We are interested in whether additional camera functionality is useful to swarm operators and are looking for feedback on the development of the simulation platform.

Why have I been asked to participate?

We are interested in collecting data from a wide range of individuals.

You have responded to an advert for the study, or accessed the study through Prolific, and have showed willingness to take part.

What will happen to me if I take part?

Participation is voluntary and relies on you rating images to indicate whether you see a human or non-human object within the image.

You will need a device with Internet access to be able to access the task, for which a link will be sent to you.

You shall be given 50 images consisting of low resolution or high resolution renderings of satellite-view objects in fields. You must indicate whether you see a human, or a non-human (e.g., animal, motor-vehicle etc.) within these images.

Are there any benefits in my taking part?

Your participation will help us understand the contextual factors and technical approaches underlying trustworthy human-swarm teams to allow us to develop a robust simulation platform.

Are there any risks involved?

No risks are expected, and you are free to leave the questionnaire at any time during the study. You should also ensure that previous NDAs, conflict of interests and time budget have been addressed prior to participation.

What data will be collected?



We will collect some background information about yourself and your experience with technology. We will also collect data about how you interacted with the simulation, and your answers to the questionnaires given to you. Please do not feel the need to answer every question within the questionnaire pack, you are invited to skip questions that you are not comfortable in answering.

Your data will be used only by the research team to analyse and summarise the outcomes of the study. We will use your data in publications about the project, but we will not publish anything that identifies you.

Will my participation be confidential?

Your participation and the information we collect about you during the course of the research will be kept strictly confidential.

Only members of the research team and responsible members of the University of Southampton may be given access to data about you for monitoring purposes and/or to carry out an audit of the study to ensure that the research is complying with applicable regulations. Individuals from regulatory authorities (people who check that we are carrying out the study correctly) may require access to your data. All of these people have a duty to keep your information, as a research participant, strictly confidential.

Consent forms will be completed digitally in Microsoft Forms and stored on the project's SharePoint site.

Do I have to take part?

No, it is entirely up to you to decide whether to take part. If you decide you want to take part, you will need to sign a consent form to show you have agreed to take part.

What happens if I change my mind?

You have the right to change your mind and withdraw at any time without giving a reason and without your participant rights being affected. Once data has been published, your data will not be withdrawable, so please get in touch if you require your data to not be included in publications prior to their submission.

What will happen to the results of the research?

Your personal details will remain strictly confidential. Research findings made available in any reports or publications will not include information that can directly identify you without your specific consent. Processed and anonymised data may be shared with collaborators of the TAS-Hub to fulfil any research goals related to this research project.

Where can I get more information?

If you require assistance with this study – please contact Dr Jediah Clark (J.R.Clark@soton.ac.uk).

If you require any additional project information, please contact the principal investigator: Dr Mohammad Divband Soorati (m.divband-soorati@soton.ac.uk).

What happens if there is a problem?

If you have a concern about any aspect of this study, you should speak to the researchers who will do their best to answer your questions.

If you remain unhappy or have a complaint about any aspect of this study, please contact the University of Southampton Research Integrity and Governance Manager (023 8059 5058, rgoinfo@soton.ac.uk).

The researchers involved in this study are also available at:

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Dr Mohammad Divband Soorati - m.divband-soorati@soton.ac.uk

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Data Protection Privacy Notice

The University of Southampton conducts research to the highest standards of research integrity. As a publicly-funded organisation, the University has to ensure that it is in the public interest when we use personally-identifiable information about people who have agreed to take part in research. This means that when you agree to take part in a research study, we will use information about you in the ways needed, and for the purposes specified, to conduct and complete the research project. Under data protection law, 'Personal data' means any information that relates to and is capable of identifying a living individual. The University's data protection policy governing the use of personal data by the University can be found on its website (<https://www.southampton.ac.uk/legalservices/what-we-do/data-protection-and-foi.page>).

This Participant Information Sheet tells you what data will be collected for this project and whether this includes any personal data. Please ask the research team if you have any questions or are unclear what data is being collected about you.

Our privacy notice for research participants provides more information on how the University of Southampton collects and uses your personal data when you take part in one of our research projects and can be found at <http://www.southampton.ac.uk/assets/sharepoint/intranet/Is/Public/Research%20and%20Integrity%20Privacy%20Notice/Privacy%20Notice%20for%20Research%20Participants.pdf>

Any personal data we collect in this study will be used only for the purposes of carrying out our research and will be handled according to the University's policies in line with data protection law. If any personal data is used from which you can be identified directly, it will not be disclosed to anyone else without your consent unless the University of Southampton is required by law to disclose it.

Data protection law requires us to have a valid legal reason ('lawful basis') to process and use your Personal data. The lawful basis for processing personal information in this research study is for the performance of a task carried out in the public interest. Personal data collected for research will not be used for any other purpose.

For the purposes of data protection law, the University of Southampton is the 'Data Controller' for this study, which means that we are responsible for looking after your information and using it properly. The University of Southampton will keep identifiable information about you for 10 years after the study has finished after which time any link between you and your information will be removed.

To safeguard your rights, we will use the minimum personal data necessary to achieve our research study objectives. Your data protection rights – such as to access, change, or transfer such information - may be limited, however, in order for the research output to be reliable and accurate. The University will not do anything with your personal data that you would not reasonably expect.

If you have any questions about how your personal data is used, or wish to exercise any of your rights, please consult the University's data protection webpage (<https://www.southampton.ac.uk/legalservices/what-we-do/data-protection-and-foi.page>) where you can make a request using our online form. If you need further assistance, please contact the University's Data Protection Officer (data.protection@soton.ac.uk).

Thank you.