



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA

INSTRUCTIONS FOR PARTICIPANTS VISUAL SEARCH TASK STUDY

Advanced Software Interfaces Group (EECS)

Thank you for agreeing to participate in this experiment.

The visual search task in this experiment involves fingerprint identification. You will be provided with an initial overview of fingerprint types and the six general classifications of fingerprints.

Pre- and post tests

All participants will complete two fingerprint identification tests and will receive training between the tests.

Each test will involve a number of fingerprint identification/matching tasks. You will be given an example fingerprint and 10 other sample fingerprints. You will be asked to indicate a matching fingerprint from the set of 10 sample fingerprints, or note that there is no match. Your performance in terms of accuracy will be measured in each test.

Each test will take at most 15 minutes.

Training

You will be given training in a similar format to the tests above but with added feedback after fingerprint identification. Half the participants will be given visual feedback to identify the presence or absence of fingerprint features and the other group will also get feedback from use of a haptic device – an input device that allows you to feel, and touch, virtual objects.

The training will take about 15 minutes.

Recorded information

The information you indicate on the consent form, the pre-session questionnaire and the data collected during the tests will be kept as part of the study and destroyed after five years.

Please see the consent form for details on privacy and confidentiality.