

# WP4 Report

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## Document Info

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# 1. Introduction

This work package is led by UoS and SMU, aiming to report on automated analysis of timing attacks, automated analysis of human shoulder surfers, automated analysis of human behaviour enhanced emanation based attacks, and refinement of software framework.

## 2. Tasks

- Task 4.1: A report summarising results obtained from automated analysis of human behaviour based timing attacks (please see task 4.1 technical report)
- Task 4.2: A report summarising results obtained from automated analysis of human shoulder surfers (please see open source software CogTool+ is currently hosting at [https://gitlab.eps.surrey.ac.uk/hy0006/cogtool\\_plus\\_open\\_source](https://gitlab.eps.surrey.ac.uk/hy0006/cogtool_plus_open_source))
- Task 4.3: A report summarising results obtained from automated analysis of human behaviour enhanced emanation based attacks (please see the separate summary report for task 4.3)
- Task 4.4: A refined edition of the software framework and toolset ready for public testing with updated user manual and use cases (please see user manual with additional code example)

In addition, a paper focus on proposing software framework and the implementation of CogTool+ is currently working in progress, to be submitted to a peer reviewed journal. Another paper focus on investigating human behaviour of visual search to observe/discover patterns to support software development is currently working in progress, to be submitted to a international journal of human computer studies.