

RESEARCH PROPOSAL

SUBMITTED TO THE

UNIVERSITY OF READING

Department of Computer Science

MyThesis

Author:
MyFirstname MYLASTNAME

*Supervisor:*¹
Dr. Julian KUNKEL

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Keywords: X, Y, Z

High-Performance Storage

¹This thesis has been discussed with the listed supervisor.

Please also check <http://www.reading.ac.uk/computer-science/dcs-PhD-programmes.aspx>.

1 Motivation

What makes the research topic of interest and importance

2 Research question

The main research question(s) that you want to address.

Provide one sentence that gives an overview of the topic, how would you describe your thesis to a computer scientist?

Example: The goal of this thesis is to understand and optimize the performance behavior for large-scale data accesses in the domain of climate and weather.

Now split the research goal into questions

This covers the research questions:

1. What workflows are limited by I/O?
2. Which I/O operations are typically performed?
3. Which optimizations are beneficial for the workflows on HPC systems?

3 Related work

How your thinking builds on any previous work.

Relevant work can be classified into: a) LaTeX studies, b) performance analysis in HPC, ...

LaTeX studies. It has been shown that blabla (Lamport, 1994).

Performance analysis.

4 Research methodology

What research methodology or techniques you may need to use

5 Required infrastructure

What facilities you are likely to require to conduct your research.

This research requires a supercomputer with more than 100 nodes to run experiments on.

6 Workplan

How the research can be completed in the time available. Provide a rough sketch over the runtime of your PhD

The following sketches the workplan for the different years of the PhD.

First year: setup of work environment, researching related work, writing the chapters introduction and related work of the thesis.

Second year:

Third year:

A Appendix

Add here any appendix, if needed

References

Lamport, Leslie (1994). *LATEX: a document preparation system: user's guide and reference manual*. Addison-wesley.