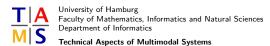


64-195 RoboCup Project Guidelines for the written report



Winter 2014/2015



Overview

What is expected from you?

- ► Submission of a written report (15-20 pages long)
- lacktriangle A group of two ightarrow 15 pages, a group of three ightarrow 20 pages
- ► Each group member's contribution should be made clear
- ▶ It is strongly suggested to use the Springer LNICST template
- ▶ Submission deadline: End of February, 2015
- ▶ Please submit the report to: erichter@inf...

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Springer LNICST template

Get the template from:

```
tams.informatik.uni-hamburg.de/people/erichter/doc/
misc/robocup_lnicst_template.tar.gz
```

The archive contains an example document to get you started

For further reference please visit:

ftp.springer.de/pub/tex/latex/lnicst/author

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Structure of your report

You should structure your report according to the following format

- ► Title
- Authors
- Abstract
- ► Introduction / Literature review
- Main text / Methodology
- Results / Discussion
- Summary / Conclusions
- References
- Appendices [optional]

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General suggestions

- Do not exceed the page limit
- ► Choose a representative title (it does not have to be a very short one)
- ▶ Be economic and concise with the use of language
- Use visual (figures) and structural (lists, tables) tools to present complex data
- ▶ Use cross-references to avoid redundancy
- ▶ Beware: Don't use a tool because you can use it only if it helps you to convey information



Abstract

- Use the abstract section to provide a 'teaser' for the contents of your report
- ▶ Do not attempt to write a review or summary
- ▶ Be concise: Your abstract should have 200 words or less (do not use more than 250 words)



Introduction / Literature review

- Outline of underlying concepts
- Brief summary of relevant theoretical background knowledge
- ► Review of existing (published) work relevant for your topic(s)
- ▶ Motivate the reader for the issue(s) you are trying to solve
- Explain why your work (your approach) is necessary



Main text / Methodology

What did you do and how did you do it?

- Methods
- Design
- Implementation
- Do not include every possible detail and avoid redundancy
- ▶ Use subsections to emphasize certain aspects/components of your work - but do not overuse them!
- ▶ Avoid the passive voice: Y was done by X, use the active voice: X did Y



Results / Discussion

- Present your results in a logical sequence
- Highlight the importance of your results and explain your analysis methodology
- Discuss the results you infer from your work
- ▶ Important: Adopt a critical approach in your discussion
- ▶ Do not oversell your results put the advantages first, but don't forget to mention the shortcomings!



Summary / Conclusions

- Be more informative than your abstract!
- Include a concise version of your discussion
- ► Highlight what you found out
- ▶ Highlight the problems you encountered
- Explain how your results support your conclusions!
- Provide suggestions for future research and briefly outline how suggested research can be attempted
- ► Important: Make this section readable

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References

- Very important section of your report
- ▶ If you used external information/results ⇒ Provide a reference!
- ▶ References will help the reader understand the basis of your work and provide context for comparison
- Use of references might also help you to be more concise
- ► There are several types of reference
 - Book
 - Journal article
 - Conference publication
 - Web site
- ▶ Web sites are usually unchecked sources be careful!



Appendices

- ► Appendices are optional if you can avoid them, don't use them!
- ► However: Appendices *do* help to minimize reader effort for the main text, providing relevant information if required
- Use appendices for background material and data, source code listings or raw data (e.g. sensor data)



Figures, Graphs and Tables

- Make sure that all figures, graphs etc. are properly labeled and have a caption
- A neat hand drawn figure/diagram is preferable to a poorly made computer diagram, or a low resolution image copied from the web

- Use long descriptive captions
- Very good approach to minimize reader effort