

Project report (Group 1)

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Seminar: Modern Human Machine Interaction (MHMI) course
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HOW TO

This template is used for the student reports of the Seminar: Modern Human Machine Interaction course. Remove this section by editing the `reportContent.tex` file **after** you have understood how to use this template.

Folder Structure

```
proceedings /
|- reportContent / <— YOUR working folder
|   |- images / <— Images are stored here
|   |- sections / <— Additional sections / tex-files here
|       |- _HOWTO_.tex <— *this* How To section
|       |- introduction.tex
|       |- report.bib
|       |- lessons-learned.tex
|       '- section2.tex
'- reportContent.tex <— Change your section imports here
|- proceedings.tex <— DO NOT alter this file
|- llncs.cls <— NOR that
|- proceedings.py <— NOR that
|- splncs03.bst <— NOR that
'- UniBas_Logo_EN_Schwarz_RGB_65.pdf <— NOR that
```

Setup

Your report is compiled using the `proceedings.tex` file. Therefore, we suggest that you set the file `proceedings.tex` as the Master-/Root-Document that you can conveniently work on your report. Please be aware that you have to compile the `proceedings.tex` file in the following order:

1. `pdflatex proceedings.tex`
2. `biber proceedings`
3. `pdflatex proceedings.tex`
4. `pdflatex proceedings.tex`

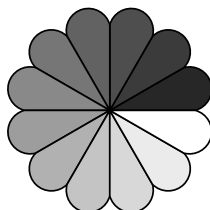


Fig. 1: Example figure stored in the `images` sub-folder and displayed with `\includegraphics[width=0.45\textwidth]{g1-rosette}`

For your convenience, you can compile this document by using the `proceedings.py` utility:

```
$> python proceedings.py -p
```

And subsequently (especially before your submission) clean the auxiliary `LATEX` files:

```
$> python proceedings.py -z
```

Images

Images placed in the `images` sub-folder can be used directly in the `\includegraphics` command – see also Figure 1. Also, sub-figures are possible: Figures 2a and 2b.

Please DO NOT store your images elsewhere!

Please use your group number (e.g., *1*) in every image file name (e.g., *g1-rosette.pdf* instead of *rosette.pdf*)!

It is mandatory, that you do *only* specify the filename, as the path is set automatically. Hence, for Figure 1, the command to include the image is `\includegraphics{g1-rosette}`

Code

To illustrate code use the `lstlisting` environment:

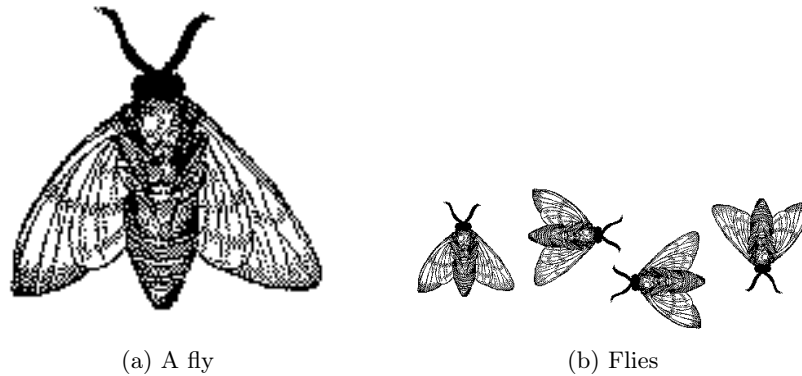


Fig. 2: Example figure stored in the `images` sub-folder

```
public void foo( final int bar ) {
    System.out.println( bar );
}
```

Labels and References

The proceedings template includes the package *cleveref*, which enables pretty references. One such reference is the following one: Figure 2, which was produced using the command `\Cref{fig:example_subfigure}`. To use the full potential of such clever referencing, one have to set up labels, such as in the example before. The label command was `\label{fig:example_subfigure}` (as seen in the source code in line 69). Be aware that you have to prefix every single label you use with your group name, i.e. `g1` to not clash with other group's labels.

Bibliography

We use the `biblatex` package with `biber`¹ as backend, which most distributions already include. Your references are stored in the `report.bib` file and used with the `\cite` command. For example: [1]. If the previous example shows `kopka1995guide` - you need to re-run the compilation in the following order: `pdflatex`, `biber`, `pdflatex`, `pdflatex`. In case you need some help with references in latex, there is an excellent cheatsheet².

¹ <http://biblatex-biber.sourceforge.net/>

² <http://tug.ctan.org/info/biblatex-cheatsheet/biblatex-cheatsheet.pdf>

1 Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

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2 Section 2

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3 Lessons Learned

Describe your lessons learned.

References

- [1] H Kopka and PW Daly. “A Guide to $\{\backslash\text{LaTeX}\}$ –Document”. In: (1995).