

usiinfdocprop Doctoral Proposal Style Documentation*

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January 26, 2016

1 Overview

The usiinfdocprop L^AT_EX class for USI-INF doctoral proposals is based on the standard book class, and provides additional commands, environments and default text to help typesetting proposals submitted at USI-INF.

2 Minimal Document Structure

The minimal structure of a dissertation document is shown below:

```
\documentclass[]{usiinfdocprop}

\title{My Doctoral Proposal}
\author{Philo S. Doctor}
\begin{committee}
  \advisor{Prof.}{Alonzo}{Church}{University of California, Los
    Angeles, USA}
  \internalmember{Dr.}{Leslie}{Lamport}
  % other internal members
  \externalmember{Prof.}{Alan M.}{Turing}{Princeton University, USA}
  % other external members
}
\phddirector{The PhD program Director}

\abstract{Your Abstract}

\begin{document}
\maketitle

\frontmatter

\tableofcontents
```

*usiinf and USI-INF stand for *Università della Svizzera Italiana (USI) - Faculty of Informatics*.

```

\mainmatter

\chapter{Introduction}

\backmatter

\bibliographystyle{plainnat}
\bibliography{biblio}

\end{document}

```

The commands in the preamble should be self-explanatory and are required to complete the title page and the list of your committee members. See next section for a complete command reference.

3 Command reference

This command reference lists only commands provided by the USI-INF doctoral proposal class. Commands inherited from the `book` class or any of the loaded packages are not documented here, unless significant changes were made to them.

3.1 Preamble Commands and Environments

<code>\title</code>	The title of the proposal. This command is mandatory and takes one argument.
<code>\subtitle</code>	The subtitle of the proposal. This command is optional and takes one argument.
<code>\author</code>	The author of this proposal, i.e., you. This command is mandatory and takes one argument.
<code>committee</code>	This environment constructs the list of your committee members. Inside this environment you may use the <code>\advisor</code> , <code>\coadvisor</code> , <code>internalmember</code> , <code>externalmember</code> commands. This environment is mandatory.
<code>\advisor</code>	The research advisor, or main advisor responsible for the student submitting the proposal. This command is mandatory and takes four arguments: academic title, first and middle name, last name and affiliation.
<code>\coadvisor</code>	The co-advisor of the student. This command is optional and should only be used if you have an official co-advisor. This command takes four arguments: academic title, first and middle name, last name and affiliation.
<code>\internalmember</code>	Creates an entry for one internal member in the list of your committee. This command takes three arguments: academic title, first and middle name, last name; an optional argument can be given to specify an affiliation different than USI-INF (e.g., an affiliated research institute).
<code>\externalmember</code>	Creates an entry for one external member in the list of your committee. This command takes four arguments: academic title, first and middle name, last name, affiliation.
<code>\phddirector</code>	The director of the USI-INF PhD program. This is mandatory and takes one

argument.

`\abstract` Typeset the abstract on the title page. This command is mandatory and takes one argument.

3.2 Text Body Commands and Environments

`\frontmatter` Typeset the committee on a dedicated page and initializes formatting and pagination settings. This command *must* appear after `\maketitle` and before any other commands or text.

`\mainmatter` This command must appear after all frontmatter parts (e.g., list of figures, list of tables) and before the first chapter of the main text body.

`\backmatter` This command switches formatting and pagination to the form used for the backmatter. This command *must* appear after the last chapter/appendix and before the bibliographic references.

3.3 Class Options

`print` The default layout produced by the class is targeted to “electronic” publishing and uses margins consistent with the normal L^AT_EX `oneside` option. This option switches the layout and various other things to something that is more suitable for two-sided printing and binding. Standard L^AT_EX options `oneside` or `twoside` are disabled.

`nohyper` By default, the class loads the `hyperref` package with the proper options. Since the `hyperref` package redefines many L^AT_EX commands, it may conflict with other packages you use. This option let you disable the loading of the package.

4 Required Packages

The `usiinfdocprop` class makes extensive use of a wide range of “standard”¹ L^AT_EX packages. Table 1 lists all packages (and options) that are loaded by the class, and thus do not need to be loaded in your thesis document.

The packages `beramono` and `mathdesign` select, respectively, the monospaced and the math fonts. The class file also uses the *Optima* font package for the sans serif fonts². `fontenc` and `textcomp` are required to make these fonts work properly.

5 Acknowledgments

`usiinfdocprop` is based on the `usiinfthesis` class, written by Domenico Bianculli and Jochen Wuttke.

¹Standard packages are the ones available in a modern L^AT_EX distribution, like T_EXLive (<http://www.tug.org/texlive>) and MacT_EX (<http://www.tug.org/mactex>).

²The *Optima* (aka *URW Classico*) font is not bundled with T_EXLive-based distributions. However, they provide a script, `getnonfreefonts`, for installing extra fonts. To install *Optima*, just type `getnonfreefonts classico` on the command line; the script requires `wget` to be installed.

Package	Options
amsmath	
book (class)	a4paper, 12pt, onecolumn, final, openright, titlepage
beramono	scaled
booktabs	
calc	
caption	font=sf, labelsep=period
datatool	
fancyhdr	
fontenc	T1
geometry	a4paper
graphicx	
hyperref	unicode, plainpages=false, pdfpagelabels, breaklinks
hypcap	all
mathdesign	charter
natbib	square
sectsty	
textcomp	
url	

Table 1: Required packages and selected options

6 Version History

2009/08/25 v. 1.0.2

Fixed compatibility with datatool v. 2.0.x

2009/07/05 v. 1.0.1

Included changes of usiinfthesis v. 1.0.7: Fixed header capitalization problems in frontmatter. Fixed page number issue with toc, lof, lot

2009/06/23 v. 1.0 initial release