

POLITECNICO DI TORINO



Beamer2Thesis, thesis theme for Beamer

Relatore

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Introduction

- Beamer is a \LaTeX class that allows you to create presentations
- Beamer2Thesis is a Beamer package that allows you to create a presentation for your thesis
 - with specific dedicated commands
 - it uses TorinoTh, a Beamer Theme

TorinoTh theme

- TorinoTh (TorinoThesis) is a theme which is based on Torino and extend it
 - Torino is a pretty theme for Beamer realized by Marco Barisione
 - <http://blog.barisione.org/2007-09/torino-a-pretty-theme-for-latex-beamer/>
- Names are similar because I attend, as him, the Politecnico of Torino, but I want to emphasize the fact that TorinoTh is a theme that can be used only to realize a thesis

TorinoTh theme

- The theme consist of:
 - *beamercolorthemetorinoth.sty* defines colors and allows you to choose among three possible options: blue (default), green or red
 - *beamerfontthemetorinoth.sty* defines fonts used
 - *beamerinnerthemetorinoth.sty* defines the title page and items
 - *beamerouterthemetorinoth.sty* defines headers and footers
 - *beamerthemeTorinoTh.sty* include all definitions

Installation

- Beamer2Thesis can be download from my personal page as a zip file
 - <http://claudiofiandrino.altervista.org/beamer2thesis.zip>
- It can be installed with the standard procedure used to install a common package:
 - under Linux, you have just to copy (with proper permissions) into the directory `/usr/share/texmf/tex/latex`, unzip it then use the command `texhash`
 - under Mac, similarly, you have just to copy into the directory `/usr/local/texlive/texmf-local/tex/latex`, unzip it then use the command `texhash`

Options

- Next slides will present all features available
- As examples in which different options are applied, is possible to see the guides:
 - `beamer2thesis.pdf` is the standard english guide which uses main options
 - `beamer2thesis_ita.pdf` is the italian guide with green colors
 - `beamer2thesis_logos.pdf` is the guide with red colors that show you how the second logo option is exploited
- All guides show options in general; to have a look for specific configurations, read each guide because in each one is reported its own configuration state

Some general options

1. The `pageofpages` option defines the string between the current page number and the total page count
 - the default is *of*
2. If the `titleline` option is set to `true`, a horizontal line is drawn below the title
3. The `titlepagelogo` is the name of the principal logo: it must be a `.jpg`, `.pdf`, `.png` picture since is used $\text{PDF}\LaTeX$
 - to include the logo of your University, copy it into the Beamer2Thesis main directory and remember to do *texhash*

Other options: available bullets

- The `bullet` option can be used to choose the symbol used in bullet lists
 - square: a filled square (■) for first and third level items, an empty square (□) for second level items
 - diamond: a filled diamond (◆) for first and third level items, an empty diamond (◇) for second level items
 - triangle: a filled triangle (▶) for first and third level items, an empty triangle (▷) for second level items
 - circle: a filled circle (●) for first and third level items, an empty circle (○) for second level items
 - The default value is `circle`

Languages

- There are two languages available:
 - english (default)
 - italian
- The choice of the language implies that in the titlepage, date and labels (supervisor, candidate, relatore, candidato) are shown with the proper language in an automatic way

Second logo

- If, for some reasons, someone needs a second logo (a thesis performed in another institute for example) an option allows you to put it in the title page
- When *secondlogo* is set to *true*, you have to use the command `\titlepagessecondlogo{name-logo}`: otherwise an error occurs
- As the main logo, the second logo must be a .jpg, .pdf, .png picture and you have to insert it in the main directory (remember do a *texhash* after you copy it)

Second candidate

- It is possible that there are two candidates: the package manage this fact easily
 - the first candidate is also the author
 - the second candidate can be inserted with the command `\secondcandidate{name-surname}` when the option *secondcandidate* is set to *true*
- Of course, when there are two candidates the label *Candidate* becomes *Candidates* and *Candidato* become *Candidati*

Finally: colors

- There are three possible choices:
 - blue
 - green
 - red
- When the color is chosen setting the option *color* to one of the list above, consequently headers, footers, title page, bullet and highlightings are set accordingly

Configuration

- The configuration of the standard theme is:
 - `language=english`
 - `titlepagelogo=name-of-the-logo`
 - `bullet=circle`
 - `pageofpages=of`
 - `titleline=true`
 - `color=blue`
 - `secondcandidate=false`
 - `secondlogo=false`
- Most of them, actually everyone except the *titlepagelogo*, can be omitted if there are no modifications

Behavior of alerts with default option

Each color theme requires different colors to highlight words:

- Apple

Behavior of alerts with default option

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- Peach

Suggestions

- To realize a frame it is possible use the environment *frame* with top (t), center (c) or bottom (b) alignment: I suggest you to use the top alignment; this is the basic code

```
\begin{frame}[t]  
\end{frame}
```

- To make things easier, I have introduced a new environment which is able to have this property intrinsic:

```
\begin{tframe}  
\end{tframe}
```

- If you have to insert some code using *verbatim* or *listings* **do not use** *tframe* environment, but:

```
\begin{frame}[t,fragile]  
\end{frame}
```


Thanks

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