

POLITECNICO DI TORINO



Beamer2 Thesis

Beamer2Thesis, thesis theme for Beamer

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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=diamond`
 - ◇ `pageofpages=of`
 - ◇ `titleline=true`
 - ◇ `color=red`
 - ◇ `secondcandidate=true`
 - ◇ `secondlogo=true`
- ◆ The configuration needs two more commands:
 - ◇ `\secondcandidate{Antonio Verdi}`
 - ◇ `\titlepagessecondlogo{beamer2thesis}`

Behavior of alerts with current option

Each color theme requires different colors to highlight words:

- ♦ Apple

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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

- ♦ I would like to thank people that, with precious hints, help me:
 - ♦ Alessio Califano
 - ♦ Alessio Sanna
 - ♦ Luca De Villa Palù
 - ♦ Mariano *Dave* Graziano
 - ♦ Giovanna Turvani
- ♦ This project is dedicated to a special person, *Valentina G*:
'you will be forever part of my heart'