

# Sapienza theme for L<sup>A</sup>T<sub>E</sub>X Beamer

Department of Computer, Control and Management Engineering



SAPIENZA  
UNIVERSITÀ DI ROMA

Manuel Coppotelli

Master of Science in  
Engineering in Computer Science  
Sapienza, University of Rome

A. Y. 2017 - 2018

# Table of contents

- ① The theme
  - General infos
- ② Installation
- ③ Customization
  - Basic config
  - Watermark
  - Others

# Outline

- 1 The theme
  - General infos
- 2 Installation
- 3 Customization
  - Basic config
  - Watermark
  - Others

# What is this?

- Beamer is a  $\text{\LaTeX}$  class that allows you to create presentations
- The project home page is <http://latex-beamer.sourceforge.net/>
- Beamer contains several themes, but they are a bit ugly
  - But with a lot of useful features, such as navigation bars, outlines, etc.
- Roma is a pretty theme
  - With a lot of useless – **but pretty** – features
  - But without some useful features
  - Well suited for short talks
- Why the name?
  - Other themes are named after locations of Universities or conferences
  - Roma is the location of Sapienza, University of Rome (my university)

# Theme files

- Themes are composed by sub-themes for single features
- Inner themes define how the title page, the bullet lists, margins, etc. work
  - `beamerinnerthemespiffy.sty`
- Outer themes define how headers and footers look like
  - `beamerouterthemerunglines.sty`
- Color themes define the colors to be used in outer and inner themes
  - `beamercolorthemesapienza.sty`: red, blue and green used by Sapienza branding
- Global themes just include inner, outer and color themes
  - `beamerthemeRoma.sty`

# Outline

- 1 The theme
  - General infos
- 2 Installation
- 3 Customization
  - Basic config
  - Watermark
  - Others

# How to use the theme

- Install Beamer
  - Some distros have a `latex-beamer` package
- Read the Beamer documentation
  - `/usr/share/doc/latex-beamer/beameruserguide.pdf.gz` if you are using Debian
  - `doc/beameruserguide.pdf` in the source package
- Install the theme
  - `sudo cp -r themes /usr/share/texmf/tex/latex/beamer/`
  - `sudo texhash`
- Read the example files
  - `roma-demo.tex`: example of usage oh this theme
  - `content.tex`: the text of this presentation

# Outline

- 1 The theme
  - General infos
- 2 Installation
- 3 Customization
  - Basic config
  - Watermark
  - Others



# Configuring the theme

- Beamer themes can be configured with options between [ and ]
  - `\usetheme[option1 = value, option2 = value]{Roma}`
- A logo, shown in the upper right corner, can be chosen with the `\logo` command
  - `\logo{\includegraphics[height=50px]{logo-image}}`

## Default options (if nothing specified)

- Simple title page
- No watermark or logo
- Squares for bullet lists

## Alternative title page

- A fancy title page can be enabled with the `alternativetitlepage` option
- You can put a logo in the title page, just pass the file name using the `titlepagelogo` option
- Remember to use a plain and top-aligned frame when using alternative title pages

### Alternative title frame

```
\begin{frame}[t,plain]  
\titlepage  
\end{frame}
```

# Watermark

- A watermark can be shown in the bottom right corner of frames
- Use the `watermark` option to set name of the image file
- The `watermarkheight` option specifies the height of the watermark image
- It's a good idea to have a big image and shrink it, so it looks good when the slide is full screen
- If the image height in the slide is not the same as the original one, you have to use the `watermarkheightmult` option
  - For example, if the image is 400 pixel tall but you want it to occupy only 100 pixels, use  
`[watermarkheight=100px, watermarkheightmult=4]`
  - It's ugly but I don't know how to fix it

# Disabling the watermark

- You may want to disable the watermark on some frames
  - For example, an image could partially cover the watermark, with ugly results
- The `\watermarkoff` command can be used to disable the watermark in the following frames
- The `\watermarkon` command restores the watermark in the following frames
- If you did not specify a watermark, nothing happens

## Notice

`\watermarkoff` was used for this frame

# Other options

- 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
  - `circle`: A filled circle (●) for first and third level items, an empty circle (○) for second level items
  - The default value is `square`
- If the `titleline` option is set to `true`, a horizontal line is drawn below the title