# The Taralli Beamer Theme
## v. 1.0

October 14, 2013

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# Agenda

## Why the Taralli beamer theme?

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- ▶ In October 2013, I had to give a presentation at the 14th International HL7 Interoperability Conference 2013 (IHIC 2013) in Sydney, Australia.
- ▶ Since there was no Politecnico di Bari (Poliba) branded beamer theme, I tried to create the Taralli beamer theme.
- ▶ This theme is based on the open source AAU sidebar theme so that other researches and students at Poliba could use the theme for their presentations.

- I have used the logo from http://sisinf.poliba.it. As long as you use the theme for making presentations in connection with your work at SISINFLAB, you are allowed to use the SISINF logo.

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- The rest of the theme is provided under the GNU General Public License v. 3 (GPLv3). This basically means that you can redistribute it and/or modify it under the same license. For more information on the GPL license see http://www.gnu.org/licenses/

The theme consists of four files

1. `beamerthemeTarallisimple.sty`
2. `beamerinnerthemeTarallisimple.sty`
3. `beamerouterthemeTarallisimple.sty`
4. `beamercolorthemeTarallisimple.sty`

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## Local Installation

The simplest way of installing the theme is by placing the four theme files in the same folder as your presentation. When you download the theme, the four theme files are located in the `local` folder.

## Global Installation

- ▶ If you wish to make the theme globally available, you must put the files in your local latex directory tree. The location of the root of the local directory tree depends on the operating system and the latex distribution. On the following slides, you can read the instructions for some common setups.

- ▶ When you download the theme, the four theme files are embedded in a directory structure (in the `global` folder) ready to be copied directly to the root of your local directory tree.

- ▶ On the following slides, we refer to this directory structure as `<dirstruct>`. Note that some parts of the directory may already exist if you have installed other packages in your local latex directory tree. If this is the case, you simply merge `<dirstruct>` with your existing setup.

## Ubuntu with TeX Live

1. Place the `<dirstruct>` in the root of your local latex directory tree. By default it is
   `~/texmf`
   If the root does not exist, create it. The symbol ~ refers to your home folder, i.e., `/home/<username>`

2. In a terminal run
   `$ texhash ~/texmf`

## Windows with MiKTeX

Apparently, MiKTeX does not include a local latex directory tree by default. Therefore, you first have to create it.

1. To do this, create a folder `<somewhere>` named, e.g., `texmf`
2. Add this folder in the Roots tab of the MiKTeX Settings dialog
3. Place the `<dirstruct>` in your newly created local latex directory tree
   `<somewhere>\texmf`
4. Open the MiKTeX Settings dialog and click Refresh FNDB.

## Windows with TeX Live

In the advanced TeX Live Installer, you can manually change the default position of the root of the local latex directory tree. However, we assume the default position below.

1. Place the `<dirstruct>` in your local latex directory tree
   `%USERPROFILE%\texmf`
   If it does not exist, create it. In XP `%USERPROFILE%` is
   `c:\Document and Settings\<username>`
   by default, and in Vista and above it is by default
   `c:\Users\<username>`

2. Open the TeX Live Manager dialog and select 'Update filename database' under 'Actions'.

## Mac OS X with MacTeX

Place the `<dirstruct>` in the root of your local latex directory tree.
By default it is

`~/Library/texmf`

If the root does not exist, create it. The symbol ~ refers to your home
folder, i.e., `/home/<username>`

Of course, you have to have the Beamer class installed. In addition, the theme loads two packages

- TikZ[1]
- calc

These packages are very common and should therefore be included in your latex distribution.

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[1]By the way, TikZ is an awesome package for creating beautiful graphics. If you do not believe me, then have a look at these online examples or the pgf user manual. If you want to create beautiful plots, you should use the pgfplots package which is based on TikZ.

## The Presentation Theme
It is very simple to load the presentation theme. Just type
`\usetheme[<options>]{Taralli}`
which is exactly the same way other beamer presentation themes are
loaded. The presentation theme loads the inner, outer and color
Taralli theme files and passes the `<options>` on to these files.

## The Inner Theme
You can load the inner theme directly by
`\useinnertheme{Taralli}`
and it has no options.

## The Outer Theme

You can load the outer theme directly by
\useoutertheme[<options>]{Tarallisimple}
Currently, the theme options are

- ▶ `progressstyle={fixedCircCnt, movCircCnt, or corner}`: set how the progress is illustrated. The value `fixedCircCnt` is the default.
- ▶ `rotationcw`: set the direction of the rotation of the progress circle to clockwise instead of counterclockwise. This option has only effect for the circular progress bars.
- ▶ `shownavsym`: show the navigation symbols

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## The Color Element `Tarallisimple`

The color theme defines a new beamer color element named
`Tarallisimple` whose foreground and background colors are

- ▶ fg: light blue ({RGB}{194,193,204})
- ▶ bg: dark blue ({RGB}{33,26,82})

You can use these colors in the standard beamer way by using the
command `\usebeamercolor[<fg or bg>]{Tarallisimple}`. See
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command \usebeamercolor[<fg or bg>]{Tarallisimple}. See
the beamer manual for instructions.
Note that this version of the theme follows official Poliba Colors.
However, you can easily change it (including the logo) by following
the steps in `beamercolorthemeTarallisimple.sty`.

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- The default configuration of fonts, colors, and layout complies with the SisInfLab Logo and Text and is the unofficially official version of the theme.
- However, you can modify specific elements of the theme through the templates provided by the beamer class. Please refer to the beamer user manual for instructions.
- For example, on this slide the following commands have been used
  - Change the header colours:
    `\setbeamercolor{Tarallisimple}{fg=blue!20,bg=red!50}`
  - Change the color of the structural elements:
    `\setbeamercolor{structure}{fg=black}`
  - Change the frame title text color:
    `\setbeamercolor{frametitle}{use=structure,`
    `fg=structure.fg}`
  - Change the background color of the text `\setbeamercolor{normal`
    `text}{bg=gray!20}`

## The Waves Background Image

► In this documentation, the title page frame and the last frame
   have the waves as the background image. The waves
   background image can be added to any single frame by
   wrapping a frame in the following way
   ```
   {\wavesbg
   \begin{frame}[<options>]{Frame Title}{Frame Subtitle}
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```

► Ideally, I would like to create a new frame option called `wavesbg` which can enable the waves background. However, I have not been able to figure out how such an option can be added. If you know how this can be done, please contact me.

## Widescreen Support

Newer projectors and almost any modern TV support a widescreen format such as 16:10 or 16:9. Beamer (>= v. 3.10) supports various aspect ratios of the slides. According to section 8.3 on page 77 of the Beamer user guide v. 3.10, you can write

`\documentclass[aspectratio=1610]{beamer}`

to get slides with an aspect ratio of 16:10. You can also use 169, 149, 54, 43 (default), and 32 to get other aspect ratios.

In case you have any comments, suggestions or have found a bug,
please do not hesitate to contact me. You can find my contact details
below.

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Thank you for using this theme!