Titulo largo
Titulo conferencia

October 7, 2020

autor1[1], autor2[2] ...

[1] Dept. of Signal Theory, Networking and Communications. Universidad de Granada, Spain

[2] Department of Communications Engineering. Universidad de Malaga, Spain.

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SiPBA
Signal Processing and Biomedical Applications
http://sipba.ugr.es

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Introduction

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- ▶ I have received a lot of positive feedback. To my surprise, several people not affiliated with AAU have used the theme despite the heavy AAU branding.

- ▶ To make the theme more usable to people not affiliated with AAU, I have decided to create this theme called Aalborg which is very similar to the AAU sidebar theme, but it does not come with the heavy AAU branding.

Introduction
License

▶ The AAU logo is covered by copyright rules. I have used the logo from http://aau.designguiden.dk. As long as you use the theme for making presentations in connection with your work at AAU, you are allowed to use the AAU 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/

Installation

The theme consists of four files
1. `beamerthemeAalborg.sty`
2. `beamerinnerthemeAalborg.sty`
3. `beamerouterthemeAalborg.sty`
4. `beamercolorthemeAalborg.sty`

The theme can either be installed for local or global use.

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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.

Installation

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.

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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`

Installation
Microsoft Windows

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.

Installation
Microsoft Windows

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'.

Installation
Mac OS X

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>

Installation
Required Packages

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.

User Interface
Loading the Theme and Theme Options

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

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

User Interface
Loading the Theme and Theme Options

The Outer Theme

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

- ▶ `hidetitle`: Hide the (short) title in the sidebar
- ▶ `hideauthor`: hide the (short) author in the sidebar
- ▶ `hideinstitute`: hide the (short) institute in the bottom of the sidebar
- ▶ `shownavsym`: show the navigation symbols
- ▶ `left` or `right`: position of the sidebar (default is right)
- ▶ `width=<length>`: width of the sidebar (default is 2 cm).
- ▶ `hideothersubsections`: hide all subsections but the subsections in the current section
- ▶ `hideallsubsections`: hide all subsections

The last four options are inherited from the outer sidebar theme.

The Color Theme
You can load the color theme directly by
\usecolortheme{Aalborg}
and it has no options.

User Interface
Loading the Theme and Theme Options

The Color Theme
You can load the color theme directly by
`\usecolortheme{Aalborg}`
and it has no options.

The Color Element `Aalborg`
The color theme defines a new beamer color element named
`Aalborg` 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>]{Aalborg}`. See
the beamer manual for instructions.

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the command `\usebeamercolor[<fg or bg>]{Aalborg}`. See
the beamer manual for instructions.
Note that this version of the theme is an official AAU version
and is in accordance with the AAU design guide. However, you
can easily change it (including the colour of the logo) by
following the steps in `beamercolorthemeAalborg.sty`.

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Compiling Your Presentation With the Aalborg Theme

Unlike most other beamer themes, this theme must be compiled at least three times to make everything look right. For most other themes, you do not have to compile your presentation more than two times. For the Aalborg theme, the third compilation is necessary to determine the position of the circle with the current frame number and the length of the "progress bar".

User Interface
Modifying the Theme

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User Interface
Modifying the Theme

- ▶ The default configuration of fonts, colors, and layout complies with the AAU design guidelines and is the 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 bar and sidebar colors:
    `\setbeamercolor{Aalborg}{fg=gray!50,bg=gray}`
    `\setbeamercolor{sidebar}{bg=red!20}`
  - ▶ Change the color of the structural elements:
    `\setbeamercolor{structure}{fg=red}`
  - ▶ 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}`

User Interface
The AAU Waves Background Image

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

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   frame have the AAU waves as the background image. The
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   {\aauwavesbg
   \begin{frame}[<options>]{Frame Title}{Frame
   Subtitle}
   ...
   \end{frame}}

▶ Ideally, I would like to create a new frame option called
   aauwavesbg which can enable the AAU 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.

Overlapping footnote You might have problems with a too wide footnote text width. This is problem with older versions of Beamer, and it can be resolved by updating Beamer to a newer version. You can read more about it in this bugreport.

Feedback
Bugs, Comments and Suggestions

▶ There are probably still some bugs in the theme. If you
   should find one, then please submit it on
   `https://github.com/jkjaer/aauLatexTemplates`.

Thank you for using this theme!

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