The Aalborg Beamer Theme
v. 0.1.1

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Agenda

Introduction

Why the Aalborg beamer theme?

- In August 2010, I gave a presentation at the European Signal Processing Conference (EUSIPCO) here in Aalborg. For that purpose, I created the aausidebar beamer theme.

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▶ During the last year, 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 a new theme called Aalborg which is very similar to the aausidebar theme, but it does not come with the heavy AAU branding.

Introduction
License

▶ 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 AAU logo is included in this documentation file. If you are not affiliated with Aalborg University, you should NOT use it. Either remove it or replace it with your own logo.

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.

Installation
GNU/Linux

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.

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

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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.

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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[<options>]{Aalborg}
and it has no options.

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Loading the Theme and Theme Options

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The Color Theme

You can load the color theme directly by
\usecolortheme[<options>]{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}{0.55,0.79,0.94})
- bg: dark blue ({rgb}{0.00,0.41,0.66})

Use can use these colors in the standard beamer way by using the
command \usebeamercolor[<fg or bg>]{Aalborg}. See the
beamer manual for instructions.

User Interface
Compilation

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 (including the aausidebar theme), 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

- 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.

User Interface
Modifying the Theme

- ▶ 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!20,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 normal text color background:
    `\setbeamercolor{normal text}{bg=gray!10}`

Feedback
Bugs, Comments and Suggestions

▶ There are probably still some bugs in the theme. If you should find one, then please let me know. No bug is too small!

Feedback
Bugs, Comments and Suggestions

▶ There are probably still some bugs in the theme. If you should find one, then please let me know. No bug is too small!

▶ Also, please contact me, if you have some exciting new ideas or just some simple usability improvements.

Feedback
Contact Information

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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