IMAGINE THE JOY OF CREATING AU TEMPLATE PRESENTATIONS IN LATEX

AU LaTeX theme

OUTLINE

1. Background

2. Download and use

3. Basic design and features

4. Examples

5. Final notes

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MOTIVATION

▶ I use LaTeX in most of my work for writing and dissemination.

▶ I need a solid template for my teaching and talks that fit my writing environment(s).

▶ The official Aarhus University PowerPoint template is well-designed and consistent.

▶ So, I've created a LaTeXBeamer theme that closely resemble to the official Aarhus University PowerPoint theme.

NOTABLE STYLE DIFFERENCES

1. Default black text replaced with the AU dark blue color as default.
2. Moved author name and email up under title on front page.
3. Replaced date and author title in footer with slide counter.
4. Replaced the circle bullet with triangle for itemized lists

DISCLAIMER AND CREDIT

1. I'm not a LaTeX or Beamer prodigy, so stuff may break and be structured and designed unidiomatically.
2. The theme has not been developed in consultation with others at AU.
3. This work is inspired by the existing AU Latex templates (see https://medarbejdere.au.dk/en/administration/communication/guidelines/desi
4. Questions and comments can be submitted to korsgaard@cs.au.dk or the Gitlab.au.dk repository.

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DOWNLOAD AND USE

1. Download https://gitlab.au.dk/henrikkorsgaard/au-beamer-template
2. Locate your Latex TEXMFLOCAL directory[1]
3. copy the beamerthemeaarhusuniversity.sty into <TEXMFLOCAL path>/texmf/tex/latex/beamer-aarhusuniversity/
4. update latex package index with `sudo texhash`
5. Download and install the AU font globally on your system
6. Set document class `\documentclass[aspectratio169]beamer=`
7. Set theme `\usetheme{aarhusuniversity}`

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[1] See https://gitlab.au.dk/henrikkorsgaard/au-beamer-template/README.md or https://jeffreywong.ca/tutorials/installing-a-custom-beamer-theme-latex/ for more information

USING WITH OVERLEAF

1. Download https://gitlab.au.dk/henrikkorsgaard/au-beamer-template
2. Unzip and upload to Overleaf project
3. Set the latex compiler to xelatex in the menu
4. Set document class `\documentclass[aspectratio169]beamer=`
5. Set theme `\usetheme{aarhusuniversity}`

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GENERATING THE TITLE PAGE

Title	`\title[short]{full}` sets the presentation title. 'Full' is for the main title page. 'Short' title is inserted in the running footer.
Author	`\author[email]{name}` sets the presentation author. 'Name' is the full author name. 'Email' is reserved for contact email on the title page.
Date	`\date{date}` inserts the date in the title page footer. This field can also be used for, e.g. location or event information.
Institution	`\institute{department}` inserts the department name under the AU logo in the footer.

CREATING FRAMES

- ▶ The \begin{frame} command creates the frame environment, see full example to the right.

- ▶ Options are for setting frame labels or template specific frame types – see next slide and the examples section

- ▶ Examine the main.tex file and Beamer class for more LaTeX code examples

```
\begin{frame}[options]{title}
  ...content ...
\end{frame}
```

FRAME STYLE [OPTIONS]

———

AUDark	generates a frame with a dark blue background and white text similar to this slide.
AUGreen	generates a frame with a green background and white text.
AUMagenta	generates a frame with a magenta background and white text.
AUClean	generates a frame without a footer.
AUDarkClean	generates a frame with a dark blue background and without a footer.

FONTS AND LOGOS

Regular	This is the normal AU Passata font
Bold	\textbf **For AU Passata Bold**
Italics	\textit or \emph *For AU Passata Regular Oblique*
Light	\textlight For AU Passata Light
Peto	\peto ⌐O ⟩ ∕∪ ⟞⊤O[2]
AU Seal	\AUSeal ⊛ (use fontsize to change)[2]
AU Logo	\AULogo ∕∪ (use fontsize to change)[2]
AU BSS Logo	\BSSLogo ▣ (use fontsize to change)[2]

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[2] These font features currently do not work on the Overleaf variant

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COLUMNS

It is very easy to make a two-column design for a slide, e.g. for inserting additional text, images, quotes or examples in the right-hand column.

The right-hand example illustrates how to do this with the columns environment. A column width of `0.45\textwidth` fit the template.

```
\begin{columns}
  \begin{column}{width}
    ...content ...
  \end{column}
\begin{columns}

\begin{column}{0.45\textwidth}
    ...content ...
  \end{column}
\end{columns}
```

LISTS: ENUMERATE AND ITEMIZE

1. Enumerated lists
2. use standard numbering
   2.1 Lists can be embedded
   2.2 just as in LaTeX

▶ Itemized lists
▶ are ideal for bullet content
   1. You can mix embedded lists
   2. just as in LaTeX

LISTS: DESCRIPTION

What   The template support the use of descriptive lists

Why   These are useful for when listing concepts or positions etc.

When   Or to summarize deadlines, multiple slides or other key information.
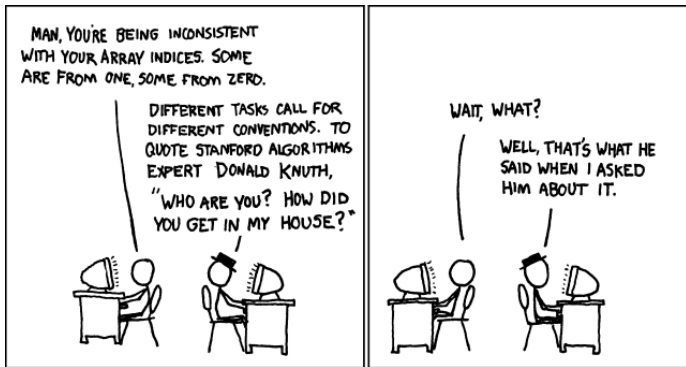
IMAGES

Figure 1: XKCD: Donald Knuth (`https://xkcd.com/163/`)

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TABLES

We can make tables just as in LaTeX documents, see e.g. table 1.

Location	Forks	Knives	Spoons
In drawer	6	87837	787
In use	7	78	5415
In the dishwasher	545	778	7507

Table 1: Cutlery overview

REFERENCES

We can use citations as usual using
`\cite{<key>}` with style options from
the `natbib` package.

When using citations, e.g. [2, 1], we
need to generate the reference list in
a frame somewhere
`\bibliography{<bib file>}`
command.

Example of the bibligraphy list

[1] Mertz, A. and Slough, W. (2005). Beamer by example.
     The PracTEX Journal.

[2] Tantau, T. (2004). User's guide to the beamer class,
     version 3.01.

Note, that with long reference lists,
it is necessary to add the
`allowframebreaks` to the frame
option list.

MATH

Per request formula in a math environment uses the Computer Modern font (cmr) and the color black on white slides. For other slides the color is likely white.

$$\Delta U = Q - W$$

EXAMPLE OF THE [AUDARK] SLIDE OPTION

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EXAMPLE OF THE [AUGREEN] SLIDE OPTION

EXAMPLE OF THE [AUMAGENTA] SLIDE OPTION

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EXAMPLE OF THE [AUCLEAN] SLIDE OPTION

If you omit the slide title, it will be empty as well!

Example of the [AUDarkClean] slide option without footer and in this case and empty title

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KNOWN ISSUES

▶ The command `\insertinstitute` do not cooperate with `\MakeUppercase`. Hence, `\institute{department}` does not auto capitalize the department name. This needs to be done manually.

▶ The `\begin{description}` list is a bit sensitive to long descriptors. Consider just using a item list instead.

FEEDBACK

- ► Write Henrik Korsgaard at korsgaard@cs.au.dk
- ► Post an issue on
  https://gitlab.au.dk/henrikkorsgaard/au-beamer-template