

UNIVERSITY OF OSLO

A Beamer theme for UiO
according to the UiO graphics standard
of 2022

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Combined user guide and doc

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Introduction

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Background

Beamer is a \LaTeX document class for making presentations.

This presentation describes a Beamer theme called **UiO** designed according to the Oslo University specifications (see <https://www.uio.no/om/designmanual/>) and is itself an example of the UiO theme.

This Beamer theme was implemented by *Dag Langmyhr* at the Department of Informatics and *Karoline Moe* from the Oslo University Library.

All photos are from the University of Oslo image archive.

Installation

If you are processing your \LaTeX document on a stationary Linux computer at the University of Oslo, you need not worry about installing the UiO Beamer theme; it is already there.

On your personal computer

To use this package on your own computer you must do the following:

1. Download <https://www.mn.uio.no/ifi/tjenester/it/hjelp/latex/uiobeamer.zip>.
2. Unpack the ZIP file.
3. You may then place all the unzipped files in the same folder as your \LaTeX source files. (If you know where \LaTeX packages are kept on your computer, you can save them there to make them generally available. Remember to refresh your file name database afterwards.)

And that should be all.

Using Overleaf

If you are using Overleaf, you must do the following:

1. Select "New Project".
2. Under "Institution Templates", select "Univeristy of Oslo".
3. Select "UiO Beamer theme".
4. Select "Open as Template".

Then, you can start writing your presentation.

User guide

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Starting a Beamer file

All \LaTeX Beamer files should start like this:

```
\documentclass[aspectratio=169,class options]{beamer}
```

Important! We recommend always using the 16:9 aspect ratio since most projectors at UiO use that format.

Author and title

You specify

- your name,
- the title and
- the subtitle (if any)

of your presentation using the standard \LaTeX commands

```
\title{Title of my talk}  
\subtitle{My chosen subtitle}  
\author{My name}
```

Additionally, you can specify your e-mail address with a command provided by the UiO theme:

```
\uioemail{me@uio.no}
```

Loading the UiO Beamer theme

You load the UiO theme like this:

```
\usetheme[theme options]{UiO}
```

The main theme options are:

`sectionheaders=false|true` lists the section and subsection names in the upper right-hand corner, as shown in this user guide.

`summary=false|true` adds a summary page at the end, as shown in this user guide.

`toc=false|true` automatically inserts a table of content for every section; you can see two examples in this guide.

`uiostandard=false|true` follows the UiO standard more strictly, for instance using square bullets in the `\begin{itemize} ... \end{itemize}` environment, as shown in frame 5.















(The default choice is underlined.)

Section separation frames

You may ask Beamer to add very distinct separation frames between the sections, as has been done in this document. This is achieved by using this theme option:

`sectionsep=colour` adds section separation sheets in the specified colour.

You may choose any of the official UiO colours:

uioblue1		uiogreen1		uiorange1		uiopink1	
uioblue2		uiogreen2		uiorange2		uiopink2	
uioblue3		uiogreen3		uiorange3		uiopink3	
uioyellow		uiogrey					

or any colour you have defined yourself (using `\definecolor`).

UiO Beamer theme fonts

You may specify which font to use by giving one of the following theme options:

`font=arial` selects Arial which the University recommends as the standard font.

`font=noto` selects Noto. Use this font if you need Unicode characters other than the basic ones. This font is the default choice.

`font=arev` selects Arev. Use this font if you need advanced mathematics in your presentation.

`font=none` does not select any particular font. Use this option only if you intend to specify the font selection yourself.

An example

A \LaTeX file using the UiO Beamer theme typically starts like this:

```
\documentclass[norsk,aspectratio=169]{beamer}
\usepackage[utf8]{inputenc}
\usepackage{babel, textcomp}
\usetheme[toc, summary]{UiO}

\title{Title of my talk}
\subtitle{A suitable subtitle}
\author{My name} \uioemail{me@uio.no}

\begin{document}
\uiofrontpage[...]

\section{...}
\subsection{...}
\begin{frame}
  \frametitle{...}
  :
```

The front page

A front page is created using the `\uiofrontpage` command:

```
\uiofrontpage[front page options]
```

Important! This command should ***not*** be used inside a `\begin{frame} ... \end{frame}` environment!

See the \LaTeX code on frame 9 for an example of proper use.

The front page options are:

`academictitle={...}` gives your academic title.

`date={...}` supplies the date (if other than today).

`dept={...}` names your department.

`image={...}` is the file name of the image to use. (Ideally, this image should be almost quadratic, or 8:9 to be precise.)

`info={...}` provides an additional info line for the supervisor's name, grant support or whatever.

`inverted` will use a white seal rather than the black one. (This choice depends, of course, on the image.)

`smaller` will use a smaller font than the standard one.

An example

The front page of this user guide was made using the following commands:

```
\author{Dag Langmyhr}
\uiomail{dag@ifi.uio.no}
\title{A Beamer theme for UiO}
\subtitle{according to the UiO graphics standard of~2022}

:

\begin{document}
\uiofrontpage[dept={Department of Informatics},
  info={Combined user guide and doc},
  image={Villa_Eika}, inverted, smaller]
```

Making frames with both text and image

If you want a frame with half-and-half of text and image, you can use the `uioimageframe` environment as demonstrated below. The image (*SRs_hus* in this example) should have an aspect ratio close to 8:9. The result is shown in the next frame.

```
\begin{uioimageframe}[info={@ Universitetet i Oslo}]{SRs_hus}
  \frametitle{Svein Rosselands hus}

  Svein Rosselands hus er oppkalt etter astrofysikeren \emph{Svein
  Rosseland}. Arkitektene bak bygningen er Finn Bryn og Johan
  Ellefsen. Bygningen har høy arkitektur- og kulturhistorisk verdi.
\end{uioimageframe}
```

Svein Rosselands hus

Svein Rosselands hus er oppkalt etter astrofysikeren *Svein Rosseland*. Arkitektene bak bygningen er Finn Bryn og Johan Ellefsen. Bygningen har høy arkitektur- og kulturhistorisk verdi.



Full-page image

If you want a full-page image, you can use either the `\uiobigimage` (which has a thin frame for title and copyright information) or the `\uiofullpageimage` command:

```
\uiobigimage{title}{file name}{copyright info}  
\uiofullpageimage{file name}
```

Full page images should have an aspect ratio close to 16:9.

Important! These commands should ***not*** be used inside a `\begin{frame} ... \end{frame}` environment!

Examples

See the next two frames.

Ole-Johan Dahl building



Foto: Francesco Saggio/UIO



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