



The Falkor \LaTeX Beamer Style

A Complete Example with Instructions

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Latest versions available on **Github**:

Beamer theme Falkor:

<https://github.com/Falkor/beamerthemeFalkor>

Generic Makefiles:

<https://github.com/Falkor/Makefiles>



Summary

1 Instructions

Brutal Copy approach

The Git Submodule approach

The FalkorLib approach

2 Customizations

3 Using Markdown



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Brutal copy usage

Bootstrap a new working directory

- Get the latest version on [Github](#)

```
$> cd /path/to/cloning/dir
```

```
$> git clone https://github.com/Falkor/beamerthemeFalkor.git
```

- Duplicate the sample structure of the freshly cloned repository

```
$> cd /path/to/working/dir
```

```
$> rsync -avzu -exclude "*.git" \  
    /path/to/cloning/dir/beamerthemeFalkor/example/advanced .
```

- Copy and adapt the sample document `advanced.tex`

→ you might wish to rename it

→ run `make` to generate `<name>.pdf`



[Better] Git Submodule approach

Assuming you have your sources under a Git repository:

Git sub-modules approach

- Initiate the submodule

→ assuming /path/to/working/dir is your root Git directory

```
$> cd /path/to/working/dir
```

```
$> git submodule add \  
https://github.com/Falkor/beamerthemeFalkor.git \  
.submodules/beamerthemeFalkor
```

- bootstrap the sub-directory hosting your slides sources:

```
$> cd path/to/slides
```

```
$> ln -s ../../.. .root # ADAPT - relative path to git root
```

```
$> ln -s \  

```

```
.root/.submodules/.beamerthemeFalkor/beamerthemeFalkor.sty .
```



[Even Better] Fully automatic

Assuming again you have your sources under a Git repository:

- Install the [FalkorLib](#) Ruby Gem (**AT LEAST \geq v.0.6**)
 - ↪ See [instructions](#)
 - ↪ Then you shall have access to the `falkor` executable
- Bootstrap your Beamer slides using

```
$> falkor new slides
```



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Changing the image or the logo

- You can easily set the image illustrating the slides
 - ↪ use the `image=<path>` option of the Falkor Beamer theme
 - ↪ adapt the path accordingly. **Ex:**

```
\usetheme[image=images/logo_github.png]{Falkor}
```

- Set the logo using the `\pgfdeclareimage{logo}` instruction
 - ↪ the logo will appear in the bottom right
 - ↪ you can thus set height and width the way you want
 - ↪ the name of the declared PGF image **SHOULD BE** `logo`. **Ex:**

```
\pgfdeclareimage[height=0.8cm]{logo}{logo_UL.pdf}
```



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Using Markdown

- **Markdown**: easy-to-read, easy-to-write plain text format
 - ↪ facilitates the generation of Beamer slides
 - ↪ prevent the use of \LaTeX for simple slides
 - ✓ using just `itemize` etc..
 - ↪ conversion from **Markdown** to \LaTeX Beamer is done by **pandoc**

⇒ See [examples/markdown](#) for a full example



Thank you for your attention...

Questions?

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1

Instructions

Brutal Copy approach

The Git Submodule approach

2

Customizations

3

Using Markdown

The FalkorLib approach

Appendix¹

¹notice the slide number below...



Complete Sources (advanced.tex) I

```
3 \documentclass{beamer}
  % \documentclass[draft]{beamer}
  \usepackage{__style}

6 % The key part to use my theme — if you precise nothing, the image that
  % illustrate the slides is assumed to be images/slides_image.jpg
  \usetheme[image=images/logo_github.png]{Falkor}

9 % Not integrated in my theme as not everybody wants that
  \AtBeginSection[]
  {
12   \frame{
     \frametitle{Summary}
     {\scriptsize \tableofcontents [ currentsection ]}
15   }
  }

18 \graphicspath{{images/}} % Add this directory to the searched paths for graphics

21 %%%%%%%%%%%%% Header %%%%%%%%%%%%%%
  \title{The \texttt{Falkor} \LaTeX Beamer Style}
  \subtitle{A Complete Example with Instructions}

24
```



Complete Sources (advanced.tex) II

```
27 \author{S\'ebastien Varrette}
\institute [PCOG Research unit]{
  Parallel Computing and Optimization Group (\href{http://pcog.uni.lu}{PCOG}),
  University of Luxembourg (\href{http://www.uni.lu}{UL}), Luxembourg
}

30 % Mandatory to declare a logo to be placed on the bottom right — normally the
% university logo. ADAPT ACCORDINGLY:
33 \pgfdeclareimage[height=0.8cm]{logo}{images/logo_UL.pdf}

\date{}

36 %%%%%%%%%%%%%%% Body %%%%%%%%%%%%%%%
\begin{document}

39 \begin{frame}
  \vspace{2.5em}
42 \titlepage
\end{frame}

45 % .....
\frame{
  \begin{center}
48 \textbf{Latest versions available on}
    \href{https://github.com/Falkor/}{Github}}:
```



Complete Sources (advanced.tex) III

```
51 \vfill
\begin{description}
\item[Beamer theme Falkor:] \hfill
\myurl{https://github.com/Falkor/beamerthemeFalkor}
54 \item[Generic Makefiles:] \hfill
\myurl{https://github.com/Falkor/Makefiles}
\end{description}
57 \end{center}
}

60 % .....
\frame{
\frametitle{Summary}
63 {\scriptsize
\tableofcontents
}
66 }

% =====
69 \section{Instructions}

% -----
72 \subsection{Brutal Copy approach}

% ~~~~~
```




Complete Sources (advanced.tex) IV

```
75 \frame{
   \frametitle{Brutal copy usage}

78   \begin{block}{Bootstrap a new working directory}
     \begin{itemize}
       \item Get the latest version on
       \href{https://github.com/Falkor/beamerthemeFalkor}{Github}
       \begin{cmdline}
         \cmdlineentry{cd /path/to/cloning/dir}\\
84         \cmdlineentry{git clone https://github.com/Falkor/beamerthemeFalkor.git}
       \end{cmdline}
       \item Duplicate the sample structure of the freshly cloned repository
87       \begin{cmdline}
         \cmdlineentry{cd /path/to/working/dir}\\
         \cmdlineentry{rsync -avzu --exclude "*.git" $\backslash$\\ ~~~~~/path/to/cloning/dir/beamerthemeFalkor/exa
90       \end{cmdline}
       \item Copy and adapt the sample document \texttt{advanced.tex}
       \begin{itemize}
93         \item you might wish to rename it
         \item run \texttt{make} to generate \texttt{<name>.pdf}
       \end{itemize}
96     \end{itemize}
   \end{block}
99 }
```



Complete Sources (advanced.tex) V

```
% -----
\subsection{The Git Submodule approach}

% .....
\frame{
  \frametitle{[Better] Git Submodule approach}
  Assuming you have your sources under a Git repository :

  \begin{block}{Git sub—modules approach}
    \begin{itemize}
      \item Initiate the submodule
    \begin{itemize}
      \item assuming \texttt{ /path/to/working/dir } is your root Git directory
    \end{itemize}
    \begin{cmdline}
      \cmdlineentry{cd /path/to/working/dir}\\
      \cmdlineentry{git submodule add $\backslash$backslash$\\
        ~~~~~https://github.com/Falkor/beamerthemeFalkor.git
        $\backslash$backslash$\\
        ~~~~~submodules/beamerthemeFalkor}\\
    \end{cmdline}
    \item bootstrap the sub—directory hosting your slides sources :
    \begin{cmdline}
      \cmdlineentry{cd path/to/ slides }\\
      \cmdlineentry{ln -s ../../.root \textit{ \# ADAPT -- relative path to git root }}\\
    \end{cmdline}
  \end{block}
}
```



Complete Sources (advanced.tex) VI

```
126 \cmdlineentry{In -s $\backslashbackslash$.root/.submodules/.beamerthemeFalkor/beamerthemeFalkor.sty .}
    \end{cmdline}
    \end{itemize}
    \end{block}
129 }
132 % -----
\subsection{The \texttt{FalkorLib} approach}
135 % .....
\frame{
  \frametitle {[Even Better] Fully automatic}
138
  Assuming again you have your sources under a Git repository :

141 \begin{block}{}
  \begin{itemize}
    \item Install the \href{https://github.com/Falkor/falkorlib}{FalkorLib}
144 Ruby Gem (\textbf{\alert{AT LEAST $\geq$ v.0.6 }})
    \begin{itemize}
      \item See
147 \href{https://github.com/Falkor/falkorlib\#installation}{instructions}
      \item Then you shall have access to the \texttt{falkor} executable
    \end{itemize}
  \end{itemize}
}
```



Complete Sources (advanced.tex) VII

```
150 \item Bootstrap your Beamer slides using
151 \begin{cmdline}
152   \cmdlineentry{ falkor new slides }\\
153 \end{cmdline}
154 \end{itemize}
155 \end{block}
156 }
157
158 % =====
159 \section{Customizations}
160
161 \frame[containsverbatim]{
162   \frametitle{Changing the image or the logo}
163
164   \begin{block}{}
165     \begin{itemize}
166       \item You can easily set the image illustrating the slides
167     \end{itemize}
168     \begin{itemize}
169       \item use the \texttt{image=<path>} option of the \texttt{Falkor} Beamer theme
170       \item adapt the path accordingly. \emph{Ex:}
171     \end{itemize}
172     \begin{lstlisting}[language=tex, basicstyle=\footnotesize, emph={\usetheme}]
173       \usetheme[image=images/logo_github.png]{Falkor}
174     \end{lstlisting}
175   \end{block}
176 }
```



Complete Sources (advanced.tex) VIII

```
\end{itemize}
\end{block}

177
\begin{block}{}
\begin{itemize}
180   \item Set the logo using the
   \texttt{\textbackslash pgfdeclareimage\{logo\}} instruction
\begin{itemize}
183   \item the logo will appear in the bottom right
   \item you can thus set \texttt{height} and \texttt{width} the way you
   want
186   \item the name of the declared PGF image \textbf{\alert{SHOULD BE}}
   \texttt{logo}. \emph{Ex:}
\end{itemize}
189 \begin{lstlisting}[language=TeX,basicstyle=\footnotesize,emph={pgfdeclareimage}]
   \pgfdeclareimage[height=0.8cm]{logo}{logo_UL.pdf}
\end{lstlisting}
192 \end{itemize}
\end{block}
}

195
%=====
\section{Using Markdown}

198
% .....
```



Complete Sources (advanced.tex) IX

```
\frame{
  \frametitle{Using Markdown}

  \begin{itemize}
    \item \href{http://daringfireball.net/projects/markdown/}{Markdown}: easy-to-read, easy-to-write plain text format
    \begin{itemize}
      \item facilitates the generation of Beamer slides
      \item prevent the use of \LaTeX for simple slides
      \begin{itemize}
        \item using just \texttt{} etc ..
      \end{itemize}
    \end{itemize}
    \item conversion from \href{http://daringfireball.net/projects/markdown/}{Markdown} to \LaTeX Beamer is done with the markdown2latex script
  \end{itemize}
  \begin{alertblock}
    $\rightarrow$ See \href{https://github.com/Falkor/beamerthemeFalkor/tree/master/examples/markdown}{examples/markdown}
  \end{alertblock}
}

% ===== END =====
\section*{Thank you for your attention ...}
```



Complete Sources (advanced.tex) X

```
225 \frame{
    \frametitle{Questions?}
    % ~~~~~
228 \begin{columns}
    \column{0.5\textwidth}
    % \emph{Contact}||
231 {\tiny
    \emph{Sebastien Varrette}}\|
    ~~~~ \textit{mail:} \ \href{mailto:sebastien.varrette@uni.lu}{sebastien.varrette@uni.lu}\|
234 ~~~~ Office E—007\|
    ~~~~ Campus Kirchberg\|
    ~~~~ 6, rue Coudenhove—Kalergi\|
237 ~~~~ L—1359 Luxembourg

    }
240 \column{0.5\textwidth}
    % \scalebox{8}{\emph{?}}
    \includegraphics[width=1.5in]{question.jpg}
243 \end{columns}
    % Below is the table of content over 2 columns
    \vfill
246 \begin{multicols}{2}
    {\tiny \tableofcontents}
    \end{multicols}
249
```



Complete Sources (advanced.tex) XI

```
}
252 \newcounter{finalframe}
    \setcounter{finalframe}{\value{framenumbers}}
255 % .....
    \frame{
      \frametitle{}
258      \vfill
      \centering \LARGE Appendix\footnote{notice the slide number below...}
      \vfill
261    }
264 % -----
    \section*{Sources of these slides}
267 \frame[containsverbatim,allowframebreaks]{
  \frametitle{Complete Sources (\href{https://github.com/Falkor/beamerthemeFalkor/blob/master/examples/advanced/advanced.tex}{advanced.tex})}
  \lstinputlisting [ firstline =18,columns=flexible,language=TeX,basicstyle=\tiny,
270                    emph={\documentclass,\usetheme,\AtBeginSection,\frame,\frametitle,\title,\subtitle,\author,\institute}
                    ]{advanced.tex}
273 }
```




Complete Sources (advanced.tex) XII

```
276 \setcounter{framenumbers}{\value{finalframe}}  
277 \end{document}  
279 % ~~~~~  
280 % eof  
281 %  
282 % Local Variables:  
283 % mode: latex  
284 % mode: flyspell  
285 % mode: visual-line  
286 % TeX-master: ".  
287 % End:
```