



# The Falkor $\text{\LaTeX}$ 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

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## 1 Instructions

Brutal Copy approach

The Git Submodule approach

The FalkorLib approach

## 2 Customizations



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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}
```



Thank you for your attention...

# Questions?

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- 1 Instructions  
Brutal Copy approach

- 2 Customizations  
The Git Submodule approach  
The FalkorLib approach

# Appendix<sup>1</sup>

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<sup>1</sup>notice the slide number below...



# Complete Sources (advanced.tex) I

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

  % 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}
  \titlepage
42 \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
81       \href{https://github.com/Falkor/beamertHEMEFalkor}{Github}
       \begin{cmdline}
84         \cmdlineentry{cd /path/to/cloning/dir}\
         \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}\
90         \cmdlineentry{rsync -avzu --exclude "*.git" $\backslash$\ ~~~~~/path/to/cloning/dir/beamertHEME}
       \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}
102
% .....
\frame{
105   \frametitle {[Better] Git Submodule approach}
      Assuming you have your sources under a Git repository :

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





# Complete Sources (advanced.tex) VI

```
126 \cmdlineentry{In -s $\backslash$ .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
    \begin{cmdline}
      \cmdlineentry{falkor new slides}\\
153 \end{cmdline}
    \end{itemize}
    \end{block}
156 }

% =====
159 \section{Customizations}

162 \frame[containsverbatim]{
  \frametitle {Changing the image or the logo}

165 \begin{block}{}
  \begin{itemize}
    \item You can easily set the image illustrating the slides
168 \begin{itemize}
      \item use the \texttt{image=<path>} option of the \texttt{Falkor} Beamer theme
      \item adapt the path accordingly . \emph{Ex:}
171 \end{itemize}
    \begin{lstlisting} [language=tex, basicstyle=\footnotesize, emph={usetheme}]
      \usetheme[image=images/logo_github.png]{Falkor}
174 \end{lstlisting}
  \end{itemize}
\end{block}
```



# Complete Sources (advanced.tex) VIII

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

180 \begin{block}{}
    \begin{itemize}
      \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 }

% ===== END =====
198 \section*{Thank you for your attention ...}
\frame{
  \frametitle {Questions?}
```



# Complete Sources (advanced.tex) IX

```
201 % ~~~~~~  
    \begin{columns}  
      \column{0.5\textwidth}  
      % \emph{Contact} \\  
204    {\tiny  
      \emph{Sebastien Varrette} \\  
      ~~~~ \textit{mail:} \href{mailto:sebastien.varrette@uni.lu}{sebastien.varrette@uni.lu} \\  
207      ~~~~ Office E-007 \\  
      ~~~~ Campus Kirchberg \\  
      ~~~~ 6, rue Coudenhove-Kalergi \\  
210      ~~~~ L-1359 Luxembourg  
  
    }  
213    \column{0.5\textwidth}  
      % \scalebox{8}{\emph{?}}  
      \includegraphics[width=1.5in]{question.jpg}  
216 \end{columns}  
      % Below is the table of content over 2 columns  
      \vfill  
219 \begin{multicols}{2}  
      {\tiny \tableofcontents}  
222 \end{multicols}  
}
```



# Complete Sources (advanced.tex) X

```
225 \newcounter{finalframe}
    \setcounter{finalframe}{\value{framenum}}

228 % .....
    \frame{
      \frametitle {}
231   \vfill
      \centering \LARGE Appendix\footnote{notice the slide number below...}
      \vfill
234 }

237 % -----
    \section*{Sources of these slides }

240 \frame[containsverbatim, allowframebreaks]{
      \frametitle {Complete Sources (\href{https://github.com/Falkor/beamerthemeFalkor/blob/master/examples/
      \lstinputlisting [ firstline =18,columns=flexible,language=TeX,basicstyle=\tiny,
243                      emph={\documentclass,\usetheme,\AtBeginSection,\frame,\frametitle,\ title ,\ subtitle ,\aut
                        ]{advanced.tex}

246 }

    \setcounter{framenum}{\value{finalframe}}

249
```



# Complete Sources (advanced.tex) XI

```
\end{document}

252 % ~~~~~
% eof
%
255 % Local Variables:
% mode: latex
% mode: flyspell
258 % mode: visual-line
% TeX-master: ". "
% End:
```