

The Falkor Land Beamer Style A Complete Example with Instructions

Sébastien Varrette

Parallel Computing and Optimization Group (PCOG), University of Luxembourg (UL), Luxembourg



Latest versions available on Github:

Beamer theme Falkor:

Generic Makefiles:

 $\verb|https://github.com/Falkor/beamerthemeFalkor||$

https://github.com/Falkor/Makefiles





- Instructions
 Brutal Copy approach
 The Git Submodule approach
 The FalkorLib approach
- 2 Customizations
- **3** Using Markdown



Summary

- Instructions Brutal Copy approach The Git Submodule approach The FalkorLib approach





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



[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)

 - \hookrightarrow 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

 - \hookrightarrow adapt the path accordingly. **Ex**:

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

- Set the logo using the \pgfdeclareimage{logo} instruction

 - \hookrightarrow you can thus set height and width the way you want
 - \hookrightarrow the name of the declared PGF image <code>SHOULD</code> <code>BE</code> logo. <code>Ex:</code>

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





Summary

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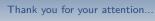


Using Markdown

- Markdown: easy-to-read, easy-to-write plain text format
 - $\,\hookrightarrow\,$ facilitates the generation of Beamer slides

⇒ See examples/markdown for a full example







Questions?

Sebastien Varrette

mail: sebastien.varrette@uni.lu Office E-007 Campus Kirchberg 6, rue Coudenhove-Kalergi L-1359 Luxembourg



Instructions
Brutal Copy approach
The Git Submodule approach

The FalkorLib approach

Customizations

Using Markdown



$\mathsf{Appendix}^1$



¹notice the slide number below...



Complete Sources (advanced.tex) I

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

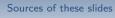
```
author{S\'ebastien Varrette}
      institute [PCOG Research unit]{
27
       Parallel Computing and Optimization Group (\href{http://pcog.uni.lu}{PCOG}),
       University of Luxembourg (\href{http://www.uni.lu}{UL}), Luxembourg
30
     % Mandatory to **declare** a logo to be placed on the bottom right -- normally the
     % university logo. ADAPT ACCORDINGLY:
33
     pgfdeclareimage[height=0.8cm]{logo}{images/logo_UL.pdf}
     \date{}
36
     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}}:
```



Sources of these slides

Complete Sources (advanced.tex) III

```
vfill
51
         \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}
81
            \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}\\
              \c \cmdlineentry{rsync -avzu --exclude "*.git" \backslash$\\ -----/path/to/cloning/dir/beamerthemeFalkor/ex.
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}
          \end{itemize}
96
        end{block}
99
```



102

105

108

111

114

117

120

123

Sources of these slides

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 $\backslash$\\
        ----https://github.com/Falkor/beamerthemeFalkor.git
        $\backslash$\\
        ~~~~.submodules/beamerthemeFalkor}\\
     end{cmdline}
      item bootstrap the sub-directory hosting your slides sources:
      begin{cmdline}
       cmdlineentry{cd path/to/slides}\\
```

Complete Sources (advanced.tex) VI

```
\cmdlineentry{In -s $\backslash$.root/.submodules/.beamerthemeFalkor/beamerthemeFalkor.sty.}
126
             \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:
         \begin{block}{}
141
           \begin{itemize}
             \item Install the \href{https://github.com/Falkor/falkorlib}{FalkorLib}
             Ruby Gem (\textbf{\alert{AT LEAST $\geq$ v.0.6 }})
144
             \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}
```



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{ | Istlisting | [language=tex, basicstyle =\footnotesize,emph={usetheme}]
                \usetheme[image=images/logo_github.png]{Falkor}
174
             \end{ | stlisting }
```







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
                 \item the name of the declared PGF image \textbf{\alert{SHOULD BE}}
186
                 \ texttt {logo}. \emph{Ex:}
               end{itemize}
189
               \begin{array}{l} \begin{array}{l} \begin{array}{l} \begin{array}{l} \begin{array}{l} \begin{array}{l} \begin{array}{l} \\ \end{array}\end{array}\end{array}\end{array}
                 \pgfdeclareimage[height=0.8cm]{logo}{logo UL.pdf}
               \end{ | stlisting }
192
            \end{itemize}
          \end{block}
195
         section {Using Markdown}
198
```



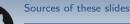
Sources of these slides

Complete Sources (advanced.tex) IX

```
\frame{
201
          \ frametitle {Using Markdown}
          \begin{itemize}
204
            \item \href{http:// daringfireball .net/projects/markdown/}{Markdown}: easy-to-read, easy-to-write plain text f
            \begin{itemize}
               item facilitates the generation of Beamer slides
207
               item prevent the use of \LaTeX for simple slides
              \begin{itemize}
                \item using just \texttt {itemize} etc ..
210
              \end{itemize}
              \item conversion from \href{http:// daringfireball .net/projects/markdown/}{Markdown} to \LaTeX Beamer is do
            \end{itemize}
213
          end{itemize}
          begin{ alertblock }{}
            $\Rightarrow$ See \href{https://github.com/Falkor/beamerthemeFalkor/tree/master/examples/markdown}{examples/upithub.com/Falkor/beamerthemeFalkor/tree/master/examples/markdown}
216
          \end{ alertblock }
219
222
```



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
          {\tinv
            \emph{Sebastien Varrette}\\
            \textit {mail:} \href{mailto: sebastien , varrette@uni , lu }{ sebastien , varrette@uni , lu }\\
            ~~~~ Office E-007\\
234
            ~~~~ Campus Kirchberg\\
            ~~~ 6, rue Coudenhove-Kalergi\\
            ~~~~ L-1359 Luxembourg
237
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 {framenumber}}
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/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/advanced/a
                                                                                     Istinputlisting [ firstline =18,columns=flexible,language=TeX,basicstyle=\tiny,
270
                                                                                                                                                                                                      emph={\documentclass,\usetheme,\AtBeginSection,\frame,\frametitle,\title,\subtitle,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\author,\institute,\institute,\author,\institute,\institute,\au
                                                                                                                                                                                                      1{advanced.tex}
273
```



Complete Sources (advanced.tex) XII