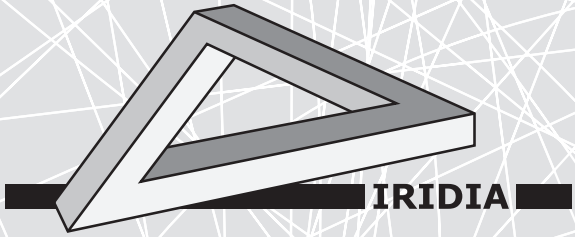

Université Libre de Bruxelles

Institut de Recherches Interdisciplinaires
et de Développements en Intelligence Artificielle

The `IridiaTrCover` package for LaTeX:

How to typeset documents for the IRIDIA – Technical Report Series

Mauro Birattari

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The `IridiaTrCover` package for LaTeX:

How to typeset documents for the IRIDIA – Technical Report Series

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December 2005

Abstract

`IridiaTrCover` is a LaTeXpackage for pre-appending to a document the cover of the Techinical Report series of IRIDIA.

The `IridiaTrCover` package redefines the command `\maketitle` so that, before printing the standard title and author information, it generates a cover page.

The command `\maketitle` should be issued with some parameters:

```
\maketitle[title={TITLE},author={AUTHOR},date={DATE},number={NUMBER}]
```

Please notice that the argument of `\maketitle` are given in square brackets. Some, or all, of such arguments might be missing. If no argument is given, the square brackets are not necessary. If an argument is missing, some sensible, and sometimes reasonable, default value is used.

A further parameter `published` can be given, for adding a line at the bottom of the cover page indicating if and where the technical report has been published or sumbitted for publication.

The package has been tested with the `article` and `report` document class and with different font sizes. If the option `twoside` is used, the page after the cover contains the address of Iridia, a legal disclaimer, and other informations. Please notice that you **must always** use the `twoside` option when preparing a technical report for the IRIDIA – Technical Report Series.

Installation

Just drop the files `IridiaTrCover.sty` `IridiaTrCover.eps` somewhere in your TeXtree. On my debian machine, I've placed them in the directory: `~/texmf/tex/iridia`

Examples

In the following example, all parameters are explicitly given.

```
\maketitle[%
  title={The \texttt{IridiaTrCover} package for \LaTeX},
  author={Mauro \textsc{Birattari}},
  date={April 2005},
  number={2005-006},
  published={Published in
    \emph{The International Journal of Covers}, vol.~1, no.~1}]
```

Please notice that the number is composed by the year and by a progressive number separated by an hyphen. The progressive number has 3 digits and is possibly left-padded with zeros: **2005-006** and not 2005-6.

In the following, author and title are not given: the arguments given to the commands `\author` and `\title` will be used instead.

```
\maketitle[%
  number={2005-006},
  date={April 2005}]
```

You can add the parameter `headings` (without any value) for having some standard headings on each page containing the number of teh technical report:

```
\maketitle[%
  number={2005-006},
  date={April 2005},
  headings]
```

If the technical report is a *revision* of a previous report, the parameters `number` and `date` should have the same values as in the original report. You should pass to `\maketitle` the date of the current revision using the parameter `revdate`. You should also give the *revision history* using the parameter `history`. The following example should clarify the syntax:

```
\maketitle[%
  number={2005-006},
  date={April 2005},
  revdate={February 2006},
  history={%
    2005-006.001 &April 2005\\
    2005-006.002 &October 2005\\
    2005-006.003 &December 2005\\
    2005-006.004 &February 2006}
]
```

In this example, the date of the technical report is still the date of the first and original version, that is **April 2005**. The date of the current revision is **February 2006**. The history starts from the original version (revision 001), and gives revision number and date of all revisions, up to the current one. Please note that numbers and dates in the history are separated by se sign `&` and that all lines but the last terminates with the newline sign `\\`. Please notice that the revision number is given with 3 digits and is possibly left-padded with zeros: **2005-006.004** and not 2005-006.4. Further, a dot is used to separate the revision number from the previous digits.

You can add the parameter `dry` (without any value) for preventing the generation of the cover page.

You can add the parameter `notitle` (without any value) for preventing the generation of the title. This is useful when you wish to generate an 'empty' technical report, that is, just a coverpage to be then added to a previously prepared document.

You can add the parameter `notitle` (without any value) for preventing the generation of the title. This is useful when you wish to generate an 'empty' technical report, that is, just a coverpage to be then added to a previously prepared document.

The commands `\makecover` and `\makestandardtitle` have been defined for handling pathological documentclasses. The command `\makecover` takes the same arguments as `\maketitle`. See above for a description. It generates just the coverpage and the copyright page if the option `twoside` is used. The command `\makestandardtitle` is the standard `\maketitle` (as before being redefined by the the IridiaTrCover package. The fagment

```
\begin{document}
\makecover[%
  number={2005-006},
  date={April 2005},
  revdate={February 2006},
  history={%
    2005-006.001 &April 2005\\
    2005-006.002 &October 2005\\
    2005-006.003 &December 2005\\
    2005-006.004 &February 2006}
]
\makestandardtitle
```

procuces the same result produced by:

```
\begin{document}
\maketitle[%
  number={2005-006},
  date={April 2005},
  revdate={February 2006},
  history={%
    2005-006.001 &April 2005\\
    2005-006.002 &October 2005\\
    2005-006.003 &December 2005\\
    2005-006.004 &February 2006}
]
```

Please use `\maketitle[\dots]` whenever possible! Use the pair of commands `\makecover` and `\makestandardtitle` only when it is stricly needed.

Have a look at this document (`IridiaTr2005-006r003.tex`) for a living example.

The last version of the pachage `IridiaTrCover` can be found at the web page:
`http://iridia.ulb.ac.be/wiki/index.php/IRIDIA_Technical_reports`