

confproc (v0.7) short documentation

Vincent Verfaillie

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Abstract

This short documentation offers a condensed information (all options and commands) necessary to build proceedings.

The `confproc` package provided a $\LaTeX 2_{\epsilon}$ document-class together with various tools (Perl and Unix/bash scripts) for building conference proceedings, or concatenating any set of PDFs with a table of contents, index and bookmarks. The $\LaTeX 2_{\epsilon}$ class is mainly based on the `pdfpages` package for PDF papers including, and the `hyperref` package for creating proper links, bookmarks and general bibliography back references. It also uses many other packages for fine tuning of table of contents, bibliography and index of authors. The added value of this class is in the time it saves for you to quickly design conference proceedings. See `readme.txt` for a short overview and additional (legal) information, `confproc.pdf` for a full documentation with the code, and `exampleN.tex` and corresponding files and scripts for examples of use.

1 Option list

See Tables 1 and 2.

2 Layout commands and customization

2.1 PDF vertical and horizontal shifts

```
\setlength{\LaTeXxShift}{0pt}
\setlength{\LaTeXyShift}{-3mm} %letter
%\setlength{\LaTeXyShift}{1mm} %A4
\setlength{\WordxShift}{10pt}
\setlength{\WordyShift}{-40pt}
```

2.2 Colors for internal and external hyper-links

- color for links in the table of contents, index of authors, and back-references;

```
\definecolor{colorforlink}{rgb}{0,0,0.8}
```

- color for cited documents in the preamble, and/or in the general bibliography:

```
\definecolor{colorforcite}{rgb}{0,0.8,0}
```

- color for URL(s) in the preamble, or in the general bibliography (if any):

```
\definecolor{colorforurl}{rgb}{0,0,1}
```

Option / category	Package(s)	Function
Document formatting		
[letterpaper] a4paper	hyperref, confproc	European A4 North American paper format
[10pt] 11pt 12pt	book, confproc	set normal font size
[twoside] oneside	book, confproc	for two/one-side documents (2-side: new chapters start on odd & right pages)
[twosidepapers] onsidepapers	confproc	for papers to be locally considered as two/one-side documents
Proceedings-specific formatting		
[electronic] printed	confproc	links with/without colors. Identical to <code>colorlinks=true</code> <code>false</code> from <code>pdfpages</code>
binding=Xmm [0mm]	confproc	amount of horizontal space added to printed version (independent from <code>printed</code>)
papers=[final] draft	confproc pdfpages, confproc	inserts PDF papers from page 1 to N (slow) fakes PDF papers inclusion from page 1 to N, but checks page existence (faster)
empty	confproc	fakes PDF papers inclusion from page 1 to N without checking page existence (fastest)
countpages	confproc	include full PDF papers (slowest; ignore N and breaks bibliography)
headers=[allpages] pdfonly exceptpdf none	confproc confproc confproc confproc	header/footer for all pages header/footer only for PDF papers header/footer for all pages except PDF papers no header/footer for any pages
bib=[none] last	confproc confproc	no general bibliography for the final compilation with general bibliography (breaks back-references)
merge	confproc	only includes 1st and last page (faster run) for merging bib items in the general bibliography
backref	confproc	prepares back-references before final run
List of inserted papers		
paperselec=[all] p_001...	confproc	indicate the papers to be inserted (1 or all)
Lists formatting		
[oncoltoc] twocoltoc	confproc	one/two column(s) table of contents
tocnum=[left] right	confproc	left/right page numbering table of contents
[oncolbib] twocolbib	confproc	one/two column(s) general bibliography
[threecolindex] twocolindex	confproc	three/two columns index of authors
Help for checking data and layout		
checktitle ([false])	confproc	overlays the title onto each paper's 1st page
checkauthor ([false])	confproc	overlays the author list onto each paper's 1st page
showpapernumber ([false])	confproc	adds paper number below page number
movepagenumber ([false])	confproc	moves page number down by a few millimeters
showmarginlines ([false])	confproc	shows margin lines of paper template
colorheaders=[black]	confproc	changes color of header/footer

Table 1: *List of options 1/2*

Option / category	Package(s)	Function
Verbose and pdftk options		
<code>debug</code> ([false])	hyperref	sets <code>debug=true</code> for hyperref
<code>verbose</code> ([false])	confproc	sets <code>debug=true</code> + adds confproc specific debug
<code>pdftk</code> ([false])	confproc	generates confproc.pdftk with pdftk commands for metadata of individual papers
<code>pdftksubject</code> ([Conference])	confproc	set PDF subject metadata for pdftk
<code>pdftkproducer</code> ([pdftk 1.12 + Ghostscript 8.71])	confproc	set PDF producer metadata for pdftk
<code>pdftkcreator</code> ([LaTeX2e + confproc 0.7])	confproc	set PDF creator metadata for pdftk
Passed to hyperref using <code>hyperref={option list}</code>		
<code>backref</code>	hyperref	add reference page number and link to each bibliographic item
<code>breaklinks</code>	hyperref	allows links to break over lines by making links over multiple lines into PDF links to the same target (great for table of contents and bibliography in two columns)
<code>citecolor=[blue]</code>	hyperref	use the user-defined <code>colorforcite</code> color for links to bibliography items cited
<code>colorlinks=[true] false</code>	hyperref	links without/without colors. Equivalent to <code>electronic printed</code>
<code>hyperindex</code>	hyperref	author index entries pages = hyperlinks to each paper
<code>linkcolor=[red]</code>	hyperref	color to use for links (from index, TOC, and bibliography back-references)
<code>linktocpage=[true]</code>	hyperref	TOC link is the page number, not the text
<code>pdfpagelabels=[true]</code>	hyperref	set PDF page labels: compulsory for creating any link to page!
<code>pdfstartview=[XYZ]</code>	hyperref	open the PDF file in Acrobat with <code>zoom=100%</code> instead of full screen
<code>pdftex=[true]</code>	hyperref	set up hyperref for use with pdfTeX
<code>plainpages=[false]</code>	hyperref	forces page anchors to be named by the arabic form of the page number, rather than the formatted form
<code>raiselinks=[true]</code>	hyperref	forces special commands to reflect the link real height (may contain a graphic)
<code>urlcolor=blue</code>	hyperref	use the <code>blue</code> color for URL (general bibliography, publishing information)
Passed to geometry using <code>geometry={option list}</code>		
<code>text={height=21cm,width=15cm}</code>	geometry	see geometry

Table 2: Alphabetical list of all options 2/2

2.3 PDF metadata

- PDF author (default: '[Proceedings author/editor]'):

```
\renewcommand{\procpdfauthor}{Vincent Verfaille, McGill University}
```

- PDF short title (default: '[Proceedings title]'):

```
\renewcommand{\procpdftitle}{DAFx-06 Proceedings - Montreal, Qc, Canada}
```

- PDF subject (default: '[Proceedings description]'):

```
\renewcommand{\procpdfsubject}{Conference proceedings}
```

2.4 Header and footer

- conference name:

```
\newcommand{\DAFxname}{Proc.~of the \nth{9} %  
Int.~Conference on Digital Audio Effects (DAFx-06)}
```

- conference date(s): `\newcommand{\DAFxdate}{September 18-20, 2006}`
- conference address: `\newcommand{\DAFxaddress}{Montreal, Canada}`
- central header: `\renewcommand{\proclhead}{\em \small \procpdfsubject}`
- left header: `\renewcommand{\proclhead}{\em \small \DAFxname, \DAFxaddress, \DAFxdate}`
- central footers with page number: `\renewcommand{\proccfoot}{\small DAFX-\thepage}`
- adjustment of the footer vertical position: `\setlength{\procfootvskip}{5.43mm}`

2.5 Special section titles (toc, index, biblio)

- title of the table of contents (default: 'Conference Program'):

```
\renewcommand{\contentsname}{Day-by-Day Conference Program}
```

- title of the general bibliography (default: 'Full Bibliography'):

```
\renewcommand{\bibname}{General Bibliography}
```

- title of the index (default: 'Index of Authors'): `\renewcommand{\indexname}{List of Authors}`

2.6 Front page and title commands

- the proceedings' author/editor: `\author{\procpdfauthor}`
- the proceedings' title: `\title{\DAFxname\ \DAFxaddress}`
- the proceedings' date: `\date{\DAFxdate}`

2.7 Title/author layout

- title font style: `\renewcommand{\papertitlestyle}{\texorpdfstring{}{\scshape}}`
- author font style: `\renewcommand{\paperauthorstyle}{\texorpdfstring{, }{\break}}`
- alternative format to check the title:

```
\renewcommand{\confstylechecktitle}{\vspace*{0.3cm} %  
  \bf \sc \Large \noindent \centerline}
```

- alternative format to check the author list:

```
\renewcommand{\confstylecheckauthor}{\large \it \noindent \centerline}
```

3 Program organization and paper insertion

- add a conference day: `\procdays{Day 2}`
- add a conference session: `\session{Oral Session 2}`
- add a paper:

```
\procpaper[xshift=1cm, yshift=-4mm, switch=33, npages=4,%  
  title = {Templates for Two Authors},%  
  author={Alfred Alabama, Chris Christmas},%  
  index={\index{Alabama, Alfred}\index{Christmas, Chris}},%  
]{p_005}
```

4 List of scripts

- class-related scripts:
 - `buildcls.sh` [bash]: **generates the class files and documentation, and prepares the example-related files**
 - `cleancls.sh` [bash]: cleans up the folder where the class was generated
 - `prepareexample.sh` [bash]: **prepares example-related files, scripts and folders**
- example-related scripts:
 - `generateswitch.pl` [Perl]: Generate the paper switch (`expaperswitch.tex`) and program (`exsessions.tex`) files
 - `buildproc.sh` [bash]: **build the proceedings**
 - `buildproc2.sh` [bash]: **generates both paperback and electronic final versions**
 - `buildpapers.sh` [bash]: re-compiles all papers
 - `buildcppdfpapers.sh` [bash]: copies all PDFs papers at the right place
 - `countnbpages.sh` [bash]: counts the number of pages for each individual PDF
 - `papersinfo.sh` [bash]: generates individual PDFs by extracting them from the whole proceedings PDF, and adds proper PDF metadata to each
 - `exportIndividualPDFs.sh` [bash]: exports individual papers (with proper page numbers) from the proceedings
 - `papersinfo.sh` [bash]: adds proper metadata to exported papers
 - `removeLaTeXcmds.sh` [bash]: converts \LaTeX strings for PDF metadata

See also figure 1 for suggested detailed compilation steps to build proceedings with general bibliography.

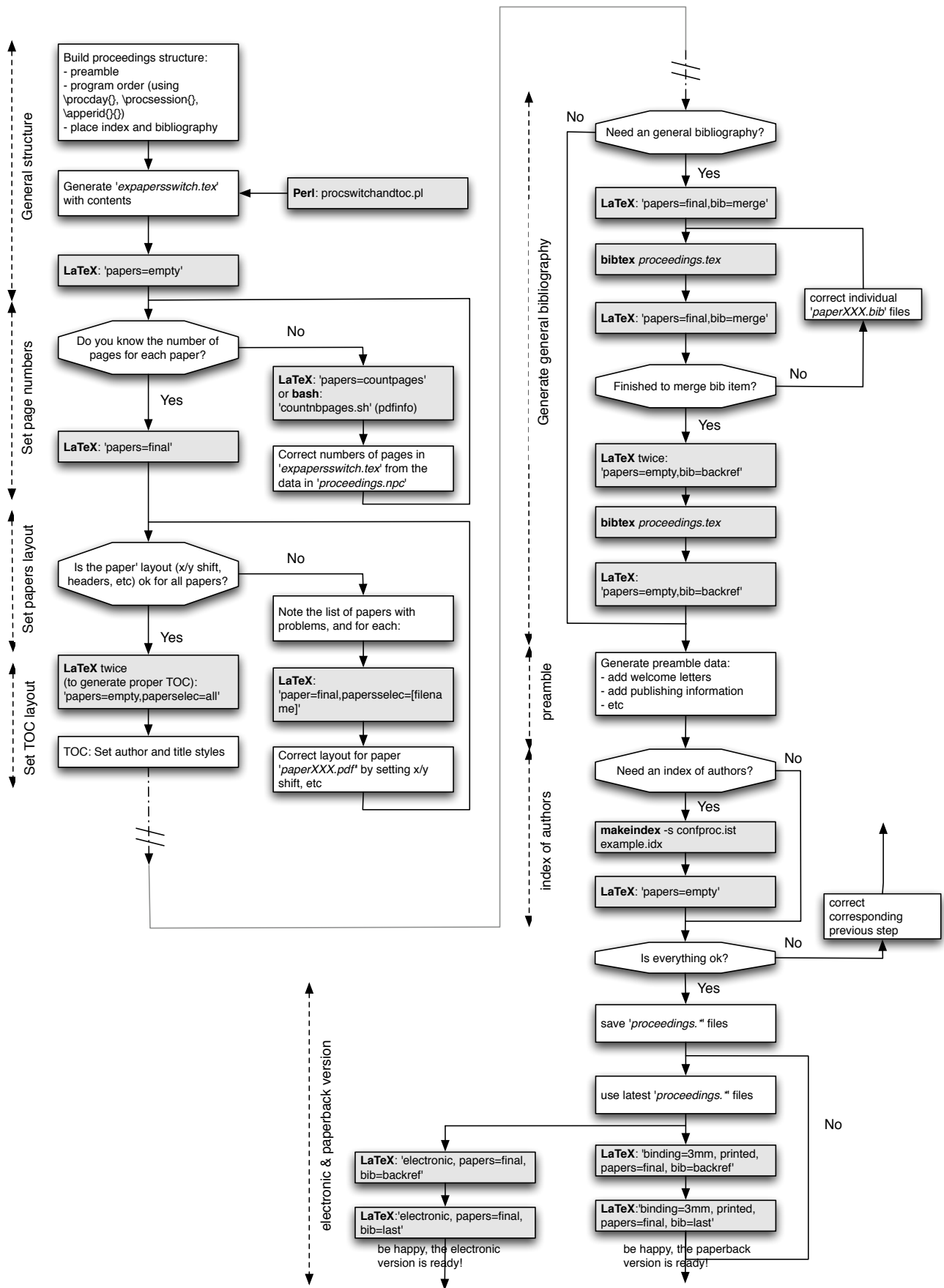


Figure 1: Suggested stages to build proceedings

5 Compatibility with other packages

The ‘confproc’ package has been successfully tested with T_EXLive 2008, 2009 & 2010.

5.1 Essential packages required by confproc

- L^AT_EX 2_ε (≥ 1994/12/01) and pdfTeXk Version 3.1415926-1.40.9 (Web2C 7.5.7)
CTAN: [macros/latex/base](#)
- book (≥ 2005/09/16 v1.4f): standard document class on which confproc is based;
CTAN: [macros/latex/unpacked/](#)
- kvoptions and kvoptions-patch (≥ 2009/04/10 v3.1):
CTAN: [macros/latex/contrib/oberdiek/kvoptions.dtx](#)
- xifthen (≥ 2009/04/17 v1.3): CTAN: [macros/latex/contrib/xifthen/](#)
- pdfpages (≥ 2009/02/07 v0.4g): CTAN: [macros/latex/contrib/pdfpages/pdfpages.dtx](#)
- hyperref (≥ 2009/05/01 v6.78r): CTAN: [macros/latex/contrib/hyperref/hyperref.dtx](#)
- geometry (≥ 2008/12/21 v4.2): CTAN: [macros/latex/contrib/geometry/geometry.dtx](#)
- color (≥ 2005/11/14 v1.0j): CTAN: [macros/latex/required/graphics/color.dtx](#)
- fancyhdr (≥ 2005/03/22 v3.2): CTAN: [macros/latex/contrib/fancyhdr/fancyhdr.sty](#)
- index (≥ 2004/01/20 v4.2beta): CTAN: [macros/latex/contrib/index/index.dtx](#)
- tocbibind (≥ 2003/03/13 v1.5g): CTAN: [macros/latex/contrib/tocbibind/tocbibind.dtx](#)
- titletoc (≥ 2007/08/12 v1.6): CTAN: [macros/latex/contrib/titlesec/titletoc.sty](#)
- multitoc (≥ 1999/06/08 v2.01): CTAN: [macros/latex/contrib/ms/multitoc.dtx](#)
- multicol (≥ 2006/05/18 v1.6g): CTAN: [macros/latex/required/tools/multicol.dtx](#)
- sectsty (≥ 2002/02/25 v2.0.2): CTAN: [macros/latex/contrib/sectsty/sectsty.dtx](#)

5.2 Other packages used with confproc in the examples

- hypcap (≥ 2006/02/20 v1.5): CTAN: [macros/latex/contrib/oberdiek/hypcap.dtx](#)
- graphicx (≥ 1996/08/05 v1.0a): CTAN: [macros/latex/required/graphics/graphicx.dtx](#)
- newapa (≥ 1991/06/13 v2.0): CTAN: [biblio/bibtex/contrib/newapa/](#)
- newapave (≥ 2006/07/31 v2.1), CTAN: [macros/latex/contrib/conferences/confproc/](#)
- setspace (≥ 2000/12/01 v6.7): CTAN: [macros/latex/contrib/setspace/setspace.sty](#)
- inputenc (≥ 2006/05/05 v1.1b): CTAN: [macros/latex/base/inputenc.dtx](#)
- fontenc (≥ 2005/09/27 v1.99g): CTAN: [macros/latex/unpacked/fontenc.sty](#)
- mathptmx (≥ 2005/04/12 PSNFSS-v9.2a): CTAN: [macros/latex/required/psnfss/](#)
- nth (≥ 2002/02/27): CTAN: [macros/generic/misc/nth.sty](#)
- layout (≥ 2000/09/25 v1.2c): CTAN: [macros/latex/required/tools/layout.dtx](#)
- layouts (≥ 2004/10/25 v2.6c): CTAN: [macros/latex/contrib/layouts/layouts.dtx](#)