JoME manual

This document provides a short introduction to the LaTeX class JoME supporting the preparation of papers in LaTeX for a journal **Strojniški vestnik – Journal of Mechanical Engineering**. Its first version was produced in October-March 2017 by Vladimir Batagelj.

The class JoME is based on LaTeX2e class article with options twoside and twocolumn. To modify some article's settings it uses packages inputenc[utf8], fontenc[T1], titlesec[pagestyles], helvet[scaled=0.95], fancybox, float, latexsym, url, caption, mdframe, xcolor, crop, and mathptmx.

Head of the paper

The class JoME introduces three new environments for formatting the head of the paper (title, authors, abstract, keywords and highlights):

- svHead - head of the paper, it calls \maketitle;
- svAbstract - abstract of the paper;
- svHigh - highligts list.

Typical structure of the head of the paper is as follows:

```
\begin{document}
\twocolumn[\begin{svHead}

\begin{svAbstract}
... Abstract
\end{svAbstract}

\svKeywords{key word 1, key word 2, key word 3, ... }

\begin{svHigh}
\item ... highlight 1
\item ... highlight 2
\item ... highlight 3
...
\end{svHigh}
\end{svHead}]

\section{Introduction}
```

Additional elements of the head are determined in front of \begin{document} by the following commands:

- \svTitle{Title} - title of the paper;
- \svMark{marks} - link from an author to his/her institution;
- \svAffil{mark}{institution} - mark an institution.

For example:

```
\svTitle{Title of the paper}
\author{
Author's Name Surname\svMark{1,*}  - Co-author's Name Surname\svMark{2} \\
\svAffil{1}{Author's institution} \\
\svAffil{2}{Co-Author's institution}
}
```

The command:

- \svKeywords{keyword1, keyword2, keyword3} - sets the keywords.

Additional commands (\svSV, \svCorr, \svDates, \svCyear, \svDOI, \svType) determine the content of running head and footer. **They are set by the journal editor.**

For details see the file `template.tex`.

Some hints

Tables and pictures across two columns

To get a table or picture across two columns use the environment

```
\begin{table*}
  ...
\end{table*}
```

or

```
\begin{figure*}
  ...
\end{figure*}
```

Font size in tables

To fit the table to the available space you can try to appropriately set the font size using the commands $\fontsize\{size\}\{skip\}\selectfont$, where *size* is the font size and *skip* is the distance between lines, as in the following example

```
\begin{table}[h]
\caption{Table title\label{tabA}}
\fontsize{10}{12}\selectfont
\begin{tabular} ...
   ...
\end{tabular}
\end{table}
```

Bibliography

The bibliography can be either included in the paper (see `template.tex`) or prepared in BiBTeX on a separate file (see `templateB.tex` and `biblio.bib`).

If you select the BiBTeX option you need to run the LaTeX file through `pdfLaTeX`, followed by `BiBTeX`, followed again by `pdfLaTeX` (usually twice). BiBTeX requires a bibliographical style `phcpc.bst` [https://www.ctan.org/tex-archive/biblio/bibtex/contrib/phy-bstyles?lang=en] (Computer Physics Communications BiBTeX style).

Note

The class JoME is still in development. Questions, comments and requests are to be sent to vladimir.batagelj@fmf.uni-lj.si [mailto:vladimir.batagelj@fmf.uni-lj.si].

History

- 2017-03-23 JoME.cls matches the JoME Word style.
- 2017-01-14 Fonts tend dimensions similar published papers.
- 2017-01-04 Fonts and dimensions similar to original in Word.
- 2016-11-01 Transformation of template in Word to LaTeX.