Tutorial:

How to Use a LuaLaTeX Class File for Fujipress Journals (*fujipressarticle.cls*)

Fujipress Editorial Office

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This guide is the tutorial of *fujipressarticle.cls* for Fujipress journals, JRM, JACIII, JDR, and IJAT.

1. Introduction

The class file, *fujipressarticle.cls*, is for those who contribute papers to the journals, JRM, JACIII, JDR, and IJAT, published by Fuji Technology Press Ltd., and is designed for LuaLaTeX with *fontspec* package.

This file is for the Fujipress format, and must be used as is.

The class file consists of

fujipressarticle.cls	class file for articles
fujipressfont.clo	option file for fujipressarticle.cls

fujipressfont.clo, an auxiliary file, is required to use *fujipressarticle.cls* correctly, and as such *fujipressfont.clo* must be used together with *fujipressarticle.cls* in the same folder (directory).

1.1. Template for Fujpress Articles

The template file (*template.tex*) is contained in the same folder as this manual and the class files. The manuscript structure is also shown on the last page.

2. Article Formats

Contributors are urged to use *fujipressarticle.cls* and *fujipressfont.clo*.

Options for journals are shown in **Table 1**. Select the abbreviation for the journal you are submitting to, and specify it as option in the square brackets [].

Options for manuscript types are shown in **Table 2**. Choose an option from **Table 2**, and specify it as option in the square brackets [].

For example, if you are submitting a paper to the Journal of Robotics and Mechanics, use the following format:

```
\documentclass[JRM,paper]{fujipressarticle}
```

Table 1. Journals and abbreviations

Journal	Abbrev.
Journal of Robotics and Mechatronics	JRM
Journal of Advanced Computational Intelligence and Intelligent Informatics	JACIII
Journal of Disaster Research	JDR
International Journal of Automation Technology	IJAT

Table 2. Formats and options.

Format	Option
Paper	paper
Research Paper	researchpaper
Technical Paper	technical
Review	review
Letter	letter
Report	report
Development Report	development
Survey Report	survey
Note	note
Material	material

Command meanings and use are as follows:

```
\title{English title}
```

Write the title of your article in English here. Note that **you must capitalize the first letter of each word, except for prepositions, conjunctions, and articles.** [1]
You can insert a linebreak in the title by using "\\" .

```
\author{list of author names}
```

Write author names as

```
\author{First author, ..., and last author}
```

Be sure to insert a comma (,) in front of "and last

---

1. The first letter of the first word in the title is always capitalized, regardless of its grammatical function.

author" . To associate author names correctly with the addresses described below, add asterisk(s) (*) as superscripts to author names as follows:

```
\author{author1$^*$, and author2$^{**}$}
```

This is not necessary if all authors have the same address.

```
\address{list of addresses and E-mails}
```

Here the affiliations, addresses, and e-mail addresses of authors should be written as follows:

```
\address{%
    $^{*}$Fuji Technology Press Ltd.,
    Ichigo Otemachi North Bldg. 2F\\
    1-15-7 Uchikanda, Chiyoda-ku,
    Tokyo 101-0047, Japan\\
    E-mail: webmaster@fujipress.jp
    $^{**}$(the second address)
    ... }
```

Each asterisk above should match that of the corresponding author already defined in \author.

```
\markboth{header (author name)}{header (title)}
```

This determines how author names and the title appear in the header. When authors number three or fewer, write this as follows:

```
\markboth{Tanaka, K. and author2}{title}
```

Note that the name must be written in the order family name, given name, the given name must be abbreviated to its initial letter, and that the family name and given name must be separated by a comma(,). If authors number more than three, add "et al." after the name of the first author:

```
\markboth{Tanaka, K. et al.}{title}
```

The title must be the same as that in \title, except for the use of linebreaks. When submitting your paper to the JRM or JACIII, please shorten your title to around 60 symbols.

```
\pagestyle{fujipressarticle}
```

This is required to read the fujipressarticle style, and cannot be omitted.

```
\maketitle
```

This outputs the title in fujipressarticle format.

```
\begin{abstract} ~ \end{abstract}
```

This sets the environment for the abstract.

```
\begin{keywords} ~ \end{keywords}
```

This sets the environment for keywords. Keywords must be separated by a comma and a space,

```
e.g.: keyword1, keyword2, keyword3
```

All keywords except proper nouns must be lowercased.

```
\acknowledgments
```

Acknowledgments, if any, must be written here.

3. Headlines

The first letter of each word in headlines, i.e., titles of sections, subsections, etc., must be capitalized, the same as for titles. Prepositions, conjunctions, and articles are not capitalized.

4. Figures and Tables

Figures and tables are usually placed at the top of a page. Table captions are set over tables. Figure captions are set under figures. In captions, only the first letter of the first word is capitalized. Captions are ended by a period, the same as for regular sentences.

```
\begin{figure}[t]
  \centering
  \includegraphics[width=5cm]{./fig/fig.pdf}
  \caption{Caption for fig1.}
  \label{fig1}
\end{figure}

\begin{table}[t]
  \centering
  \caption{Caption for table!.}
  \label{table1}
  \renewcommand{\arraystretch}{1.2}
  \begin{tabular}{lcr}
      \hline
      (contents of the table)
      \hline
  \end{ tabular}
\end{table}
```

Only *.pdf, .png,* and *.jpg* files can be included. Use the *graphicx* package to include graphics. The following command is added just under the preamble.

```
\usepackage{graphicx}
```

Figure files must be placed in the folder named "fig," which is a subfolder of the top folder in which the source file (*.tex*) is located. For details on folder structure, see Section 8.

Note the following about the incorporation of figures and pictures: For raster images such as *.jpg* and *.png*, a resolution of 300-450 PPI is recommended. Line art must be included so that the size and thickness of letters are balanced with those of the main text. Pictures may deteriorate in clarity or cause unwanted extra lines to be added due to differences in resolution between printer hardware used by contributors and the publisher. When referencing a figure or table number in text, boldface it by using \textbf. e.g.,

```
At the beginning of the paragraphs,
    \textbf{Figure 1}
```

```
        \textbf{Table 1}
   Within paragraphs,
        \textbf{Fig. 1}
        \textbf{Table 1}
```

5. Mathematical Expressions

For use of the American Mathematical Society (AMS) style, *amsmath* and *unicode-math* packages are loaded. Note that mathematical expressions must not become so long that they exceed the document width.

6. Space between Numeral and Degree Sign

No space between a numeral and a degree or percentage sign is inserted, according to the "closed style" used in American English format.

Percentage sign: 10%
Degree sign: 10°C
Geographic coordinates: N 35°21'14"

7. References

7.1. Not Using BibTEX

Please include the DOI whenever possible. The DOI should be listed at the end of the reference. The description of \bibitem for this journal is as follows:

```
\bibitem{jrm:86} A. Author et~al.,
``Title of your paper,'' J. Robot.
Mechatron., Vol.0, No.0, pp. 00-00, 20XX.
\url{https://doi.org/10.20965/jrm.0000.p00}
```

References are numbered in the order cited. Cite multiple references together as [3,4] and [3-6], instead of [3][4] or [3][4][5][6]. When the cite package is loaded in the preamble with the \usepackage{cite} command, The following description generates [1-3].

```
\cite{ref:1,ref:2,ref:3}
```

7.2. Using BibTEX

When using BibTEX, please use *fujipressbib.bst*. Specify

```
\bibliography{refdata} %filename of .bib
\bibliographystyle{fujipressbib}
```

in the designated location in the bibliography. The style file, *fujipressbib.bst*, is available in the same template folder.

An example of the database file (*.bib*) follows:

```
@Article{jrm:86,
  title  = {Title of your paper},
  author = {A. Author et~al.},
  journal = {J. Robot. Mechatron.},
  volume = {0},
```

```
  number  = {0},
  pages   = {00--00},
  year    = {20xx},
  doi     = {10.20965/jrm.0000.p00}
}
@Book{tex:1,
  title={LaTeX 2e for WINDOWS},
  author={Y. Otobe, and S. Eguchi},
  year={1997},
  publisher={Soft Bank Company}
}
@Online{jrm:24,
 title={{JACIII} Website},
 url={https://www.fujipress.jp/jaciii/},
 urldate={May 1, 2024}
}
```

8. File Submission

Note the following when submitting files: The manuscript source file should be consolidated into one file. Do not \include or \input other files in the main file. Do not use private or personal macros unless absolutely necessary. In such a case, append source codes required to compile the source file correctly.

When using packages not available at general sites, be sure to include the style file used with your submission. Such packages may not necessarily be used in final typesetting.

Your careful consideration of the use of special packages would be deeply appreciated.

Be sure to provide *.bbl* files created by BibTEX.

Submitted files are to be provided in the following directory structure:

- TeX source file (*.tex*) and BibTEX files (*.bbl* and *.bib*): Include in the main directory (folder),

- Figure files such as *.pdf, .png,* and *.jpg* in the directory named "fig" which should be made a subdirectory of the above main directory, i.e., "main directory /fig" .

For the submission of manuscripts and files, there are also instructions on our homepage.

9. Others

The resolution of images will be adjusted as needed for publication.

The following commands are unnecessary to edit.

```
\setcounter{page}{page number}
\SetVolume{volume}
\SetIssueNo{issue number}
\SetPubYear{publication year}
\dates{2000/00/00}{2000/00/00}
```

They specify the starting page number, volume, issue number, and publication year. They are provided only after

a paper is accepted, and the contributor need not use them
during submission.

Manuscript structure (sample)

```
\documentclass[JRM,paper]{fujipressarticle}
\usepackage{graphicx}

\begin{document}
    \pagestyle{fujipressstyle}

    \title{English title}
    \author{list of author names}
    \address{list of addresses and E-mail addresses}
    \markboth{header (author names)}{header (title)}
    \maketitle

    \begin{abstract}
            (abstract)
    \end{abstract}

    \begin{keywords}
            (keywords)
    \end{keywords}

            (main text)

    \acknowledgments
            (acknowledgments)

    \begin{thebibliography}{??}
          \bibitem{}
          \bibitem{}
    \end{thebibliography}

\end{document}
```