

# User's guide for JAMRIS template

JAMRIS template is composed according to the publishing rules accepted for the Journal of Automation, Mobile Robotics and Intelligent Systems. Its purpose is to ensure the correct layout of an article and to provide an accurate representation for the Author of how the article will look like in print.

## Files

The template consists of the following files:

- `jamris_template.tex` – tex template (any article shall be based on this file),
- `jamris_manual.pdf` – this guide,
- `jamris.cls` – formatting rules (shall not be modified by users),
- `jamris.bst` – style for BibTeX (shall not be modified by users),
- `hz.sty` – package to enhance typesetting quality,
- `fonts` folder – set of fonts required by the template (to be installed at user's computer).

## Basic Usage

The template is designed to produce outlook of the article as close as possible to how it appears in print. In order to achieve this effect, two requirements need to be fulfilled by the user:

1. template fonts must be installed in user's operating system,
2. `xelatex` engine must be used for processing of tex source,
3. `bibtex` tool must be used to generate bibliography (see Bibliography section below).

## Non-standard macros

```
\Author{name}{e-mail}{personal web page}{place of employment}{phone  
number}{postal address of the place of employment}
```

This macro allows to provide necessary personal information by the Author. In case of many authors the macro can be used as many times as necessary. The corresponding Author should be indicated using the asterisk (“\*”) – see `jamris_template.tex` for an example.

The parameter marked with *italic* is optional, the other parameters are required and must be filled out by the Author. The phone number will not be published and will be used during article preparation stage by the Editor only.

```
\Title
```

This macro defines article title. Please start each word in the title with capital letter.

```
\Keywords
```

Macro used to define keywords describing article contents.

```
Abstract
```

Environment used to display article abstract. Please put the abstract of your article here.

`\section, \subsection, \paragraph`

Macros that allow to introduce sections into an article. Three levels of sections are allowed only.

`figure, table`

Environments used as usual to insert figure or table into the text. Option `[t]` allows to put the object which is two-column wide, option `[htb]` – one-column wide.

`\Acknowledgements{...}`

This macro is used to format and display the optional section of acknowledgements.

## Bibliography

The bibliography should be prepared using `bibtex` processor. This enables formatting of the bibliography entries in accordance with JAMRIS style. `Bibtex` is part of standard TeX distributions, like MiKTeX. It processes the `.aux` file generated after `xelatex` run, which implies `xelatex` should be run first, then `bibtex`, and then `xelatex` again to include the bibliography.

`Bibtex` requires database of bibliographic entries. Sample database is provided with this template (`sample_database.bib`). A database like that can be easily created using some reference management software, e.g. JabRef (GPL license).

Recommended types of entries are: `article`, `book`, `inproceedings`. For best effect please fill *all* required fields for those types of entries. For not typical entries please use the `misc` type.

## Packages included by default

The following packages are included by default (they should not be included again by the user):

- `caption,`
- `cite,`
- `color,`
- `endnotes,`
- `enumitem,`
- `fix2col,`
- `fixltx2e,`
- `flushend,`
- `fontenc,`
- `fontspec,`
- `graphicx,`
- `hyperref,`
- `hz,`
- `ifthen,`
- `indentfirst,`
- `url.`

The `hz` package is a non-standard package, which provides Hermann Zapf algorithm to enable dynamic change of characters' widths. This package has been implemented by Mr Włodzimierz Macewicz. The remaining packages from the above list are standard packages and more guidance as to their use can be found in the Internet. ■