

IMEKO World Congress 2027

Quick Guide for Authors Using the imeko_wc LaTeX Template

XXV IMEKO World Congress, Rimini, Italy, 30 August–3 September 2027

Important. Start from `imeko-wc-bare-article.tex`. Replace the example text with your manuscript, but do not change margins, fonts, headers, logos, or the two-column layout. The class already loads `siunitx`; do not load it again.

1. Files to Keep Together

The following files must remain in the same folder as the manuscript:

File	Purpose
<code>imeko_wc.cls</code>	document class and page layout
<code>imeko_wc.bst</code>	bibliography style
<code>imeko.png</code> , <code>logo_IMEKO2027_v1.png</code>	first-page logos
<code>imeko-wc-bare-article.tex</code>	article template
<code>imeko-wc-bare-article.bib</code>	example BibTeX database

2. Minimum Front Matter

Place the title, authors, affiliations, corresponding author, and funding information before `\maketitle`.

```
\documentclass{imeko_wc}
\begin{document}

\title{Title of the Paper}

\author[a1]{First Author}
\author[a1,a2]{Second Author}
\author[a2]{Third Author}

\affiliation[a1]{Department, Institution, City, Country}
\affiliation[a2]{Department, Institution, City, Country}

\CorrespondingAuthorNumber{2}
\CorrespondingAuthorEmail{corresponding.author@email.com}

\funding{This work was supported by ...}

\maketitle
```

3. Title

Use the standard LaTeX command:

```
\title{An Accurate and Concise Paper Title}
```

Use a clear and informative title. Avoid unnecessary acronyms and avoid overly broad titles.

4. Authors and Affiliations

Add one `\author` command for each author, in the correct order.

```
\author[a1]{Jane Doe}
\author[a1,a3]{John Smith}
```

The labels in square brackets identify the affiliation(s). If an author has more than one affiliation, separate labels with commas and no spaces, for example [a1,a3].

Define each affiliation once:

```
\affiliation[a1]{University of Padova, Department of Information Engineering, Padova, Italy}  
\affiliation[a2]{National Metrology Institute, City, Country}
```

The labels a1, a2, etc. are internal identifiers. The printed numbers are generated automatically.

The class also supports keyed author syntax when needed:

```
\author[a1]{name=Jane,surname=Doe,abbreviation=J. Doe}
```

5. Corresponding Author

The corresponding author is selected by position in the author list, not by affiliation number.

```
\CorrespondingAuthorNumber{2}  
\CorrespondingAuthorEmail{name.surname@email.com}
```

In this example, the second author is the corresponding author.

6. Funding

Use `\funding{...}` before `\maketitle`.

```
\funding{This work was supported by the European Union under Grant Agreement No. ...}
```

If there is no funding to declare, leave the command empty:

```
\funding{}
```

7. Abstract and Keywords

Write the abstract immediately after `\maketitle`:

```
\begin{abstract}  
The abstract should state the scope, method, main results, and conclusion.  
\end{abstract}
```

Keep the abstract concise, normally not more than 150 words. Do not include displayed equations or bibliographic references. Separate keywords with semicolons:

```
\begin{keywords}  
Metrology; Measurement uncertainty; Sensor calibration  
\end{keywords}
```

8. Paper Body

Use standard sectioning commands:

```
\section{Introduction}  
\subsection{Measurement Setup}  
\subsubsection{Calibration Procedure}
```

Use unnumbered sections for the final declarations, when applicable:

```
\section*{AUTHORS' CONTRIBUTION}  
\section*{ACKNOWLEDGMENT}
```

9. Units with siunitx

Use `\qty{...}{...}`, `\unit{...}`, and `\num{...}`. The class already loads `siunitx`; do not load it again.

```
\qty{1.23 \pm 0.04}{\volt}
\qty{25}{\degreeCelsius}
\unit{\metre\per\second}
\num{3.14e-4}
```

This keeps numbers, units, and uncertainties consistent with SI typography. Avoid manual unit formatting in math mode such as 1.23 m/s^2 .

Use SI units as the primary system, use a leading zero before decimal points (0.25, not .25), and avoid non-SI shorthand such as cc.

10. Figures, Tables, and Equations

Use ordinary LaTeX figures and labels. Insert figures and tables after they are cited in the text.

```
\begin{figure}[tb]
\centering
\includegraphics[width=0.9\columnwidth]{fig1}
\caption{Caption text.}
\label{fig:setup}
\end{figure}
```

11. References

Use BibTeX with the provided bibliography style:

```
\bibliographystyle{imeko_wc}
\bibliography{imeko-wc-bare-article}
```

Cite references in the text with:

```
\cite{Fazio1995}
```

Before submission, remove `\nocite{*}` unless every entry in the `.bib` file must appear in the reference list.

12. Compilation

The simplest command is:

```
latexmk -pdf imeko-wc-bare-article.tex
```

If compiling manually, use the standard sequence:

```
pdflatex imeko-wc-bare-article
bibtex imeko-wc-bare-article
pdflatex imeko-wc-bare-article
pdflatex imeko-wc-bare-article
```

Important. Run LaTeX enough times to resolve citations, figure references, affiliation marks, and the corresponding-author mark.

13. Packages Already Loaded by imeko_wc

In most cases, you should not load these packages again in your manuscript source.

- Always loaded: `fontenc (T1)`, `iftex`, `babel (british)`, `newtx`, `helvet (scaled=0.87)`, `microtype`, `ifthen`, `graphicx`, `xcolor (table)`, `amsmath`, `caption`, `fancyhdr`, `enumitem`, `array`, `booktabs`, `tabularx`, `cite`, `tikz`, `stfloats`, `hyperref`, `siunitx`, `xurl`.
- Conditionally loaded: `inputenc (utf8)` only in the pdfL^AT_EX branch.

If extra packages are needed, choose only packages that do not conflict with class-managed layout, headings, captions, bibliography, hyperlinks, and SI formatting.

Final Checklist Before Submission

- The paper uses `\documentclass{imeko_wc}`.
- Title, author order, affiliations, and corresponding author are correct.
- Funding information is present, or `\funding{}` is empty.
- Abstract and keywords are included.
- All figures, tables, equations, and references are cited in the text.
- Units are typeset with `siunitx` commands (`\qty`, `\unit`, `\num`) where possible.
- Packages already loaded by the class are not loaded again (especially `siunitx`).
- The PDF compiles without unresolved references or missing citations.