

# Editorial policy and paper writing guide for L<sup>A</sup>T<sub>E</sub>X users

Editorial

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**Abstract:** Please type your abstract here.

**PACS (2008):** 01.30.-y, 01.30.Xx, 01.30.Tt

**Keywords:** physics literature and publications • publications in electronic media • bibliographies  
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## 1. Editorial Policy

### 1.1. Scope

The Central European Journal of Physics (CEJP) is a refereed journal, devoted to the publication of fundamental research results in all fields of physics. The primary mission of CEJP is to assist Central and Eastern European researchers in communicating their achievements to the global scientific community, nevertheless, contributions from other regions of the world are by no means excluded. The journal is published quarterly and in English language.

### 1.2. Manuscripts

Papers suitable for publishing in the Central European Journal of Physics are those which:

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**contain original work** — the main result is not published elsewhere in any medium neither by the authors nor somebody else, and is not currently under consideration for publication in any other medium. This restriction does not apply to review articles. Authors are allowed to put their manuscripts in arXiv preprints repository and use arXiv's article ID for manuscript transfer to our Editorial Manager. Authors are encouraged to register in arXiv service appropriate citing information (including paper's DOI) after paper acceptance and publication,

**are focused on the core aims and scope of the journal** — CEJP is a scientific journal publishing fundamental research results from all fields of physics,

**are clearly and correctly written** — should contain all essential features of a complete scientific paper, should be written in a clear, easy to understand manner and be readable for a wide audience of physicists,

**are written in English** — should be clearly and grammatically written, in an easily readable style. Attention to details of the language will avoid severe misunderstandings which might lead to rejection of the paper (Please note that authors who are not native-speakers of English can be provided with help in rewriting their contribution in correct English),

**are delivered in electronic format.**

CEJP publishes regular **research articles**, **rapid communications**, **communications** and **review papers**.

### 1.3. Peer review process

Each manuscript must be registered and uploaded in the Editorial Manager — an on-line submission system available at <http://www.editorialmanager.com/cejp/>. The Managing Editor then sends it to an appropriate Editor, who is from now responsible for the review process. However, a submission may be declined by the Managing Editor without review, if deemed inappropriate for reasons other than scientific merit.

The primary criteria for judging the acceptability of a manuscript are its **originality**, scientific **importance** and **interest** to a general physical audience. This policy permits declination of a manuscript solely on the Editor's judgment that the studies reported are not sufficiently novel or important to merit publication in the CEJP.

#### 1.3.1. Choice of reviewers

The Editor responsible for a given area of physics, turns to experts of the subject for opinion. Research articles and communications are reviewed by minimum two reviewers, review papers by at least three.

#### 1.3.2. Suggestions from authors

Authors are requested to suggest persons competent to review their manuscript. However, please note that this will be treated only as a suggestion, the final selection of reviewers is exclusively the Editor's decision. The reviewers remain anonymous in any case.

The Editor is fully responsible for decision about the manuscript. The final decision, whether to accept or reject a paper, rests with him/her. The Managing Editor only communicates the final decision and informs the author about further processing.

#### 1.4. Revised manuscript submission

When revision of a manuscript is requested, authors should return the revised version of their manuscript as soon as possible. Prompt action may ensure fast publication, if the paper is finally accepted for publication in CEJP. If it is the first revision of an article authors need to return their revised manuscript within 60 days. If it is the second revision authors need to return their revised manuscript within 14 days. If these deadlines are not met, and no specific arrangements for completion have been made with the Editor, the manuscript will be treated as a new one and will receive a new identification code along with a new registration date.

#### 1.5. Final proofreading

Authors will receive a PDF file with the edited version of their manuscript for final proofreading. This is the last opportunity to view an article before its publication on the journal's web site. No changes or modifications can be introduced once it is published. Thus authors are requested to check their proof pages carefully against manuscript within 3 working days and prepare a separate document containing list of all the changes that should be introduced. Authors are sometimes asked to provide additional comments and explanations in response to remarks and queries from the language and technical editors. In case the authors do not deliver the list of corrections to proofs in the requested time the manuscript will be published as is.

#### 1.6. On-line First service

Manuscripts accepted for publication are published on-line in so called On-line First service as soon as they are ready for publication (that is when final proofreading is performed by authors and all concerns are resolved). Final manuscripts may appear on the Web 1-2 months prior to regular issue publication. Once a manuscript appears on the Web site it is considered as published.

#### 1.7. Reprints

After publication, the corresponding author is notified by email and receives a PDF file with the published version of the manuscript.

#### 1.8. Erratum

If any errors are detected in the published material they should be reported to the Managing Editor. The corresponding authors should send appropriate corrected material to the Managing Editor via email. This material will be considered for publication in form of erratum in the earliest available issue of CEJP.

## 1.9. Transfer of Copyright Agreement

Submission of a manuscript indicates a tacit understanding that the paper is not actively under consideration for publication with other journals. Once the paper is accepted, authors are asked to send as soon as possible the properly filled and signed Transfer of Copyright Agreement by e-mail to the Managing Editor (Dr. Krzysztof Malarz) at [kmalarz@versita.com](mailto:kmalarz@versita.com).

The author may retain copyright, and then no Transfer of Copyright Agreement is needed. For this purpose Springer offers the Open Choice program. Authors interested in this option are requested to contact the Managing Editor. The Open Choice fee is in the amount of US\$ 3000.00. Whenever an author requests Open Choice publication Versita will need the author's billing address and the DOI for the article to be published Open Choice. The copyright line in the article PDF will have to read as follows: © The Author(s) 2011. This article is published with open access at Springerlink.com. In addition, the following statement will have to be inserted after the Acknowledgements (if any) and before the References: **“Open Access** This article is distributed under the terms of the Creative Commons Attribution Noncommercial License which permits any noncommercial use, distribution, and reproduction in any medium, provided the original author(s) and source are credited.”.

## 2. Paper writing guide

Please read these instructions carefully before preparing a manuscript for submission, and to check the manuscript for conformance before submitting it for publication. The length and effectiveness of the peer review process will largely depend upon the care used by authors in preparing their manuscripts. If you have any questions, please contact the Managing Editor (Dr. Krzysztof Malarz) at [kmalarz@versita.com](mailto:kmalarz@versita.com). The `cej.cls` document class dedicated to preparing document for the CEJP is freely available at <http://versita.com/files/objects/1182/122/template.zip>. We **strongly** encourage authors to use this class for manuscript preparation.

### 2.1. Paper elements

1. title page with:
  - (a) title (short title),
  - (b) full name(s) of author(s),
  - (c) name and address of workplace(s),
  - (d) personal e-mail address(es),
2. abstract,
3. up-to five keywords,

4. up-to five PACS code numbers,
5. text,
6. reference lists.

Each of these elements is detailed below

### 2.1.1. Title (short title)

We suggest the title should be relatively short but informative. If a long title is necessary, please prepare an optional short title.

`cej.cls` document class allows to introduce title with `\title{Put title of your presentation here}` command in document preamble.

### 2.1.2. Name(s) of author(s)

A list of all authors of the paper should be prepared. We need full first name, initial(s) for middle name(s) and full last name. Use

```
\author{First~author\inst{1}\inst{2}\email{email@first.author.com},
        Second~author\inst{1},
        Third~author\inst{2}\inst{3}\email{email@third.author.com}}
```

### 2.1.3. Name and address of workplace(s)

Authors' affiliations should be indicated in this section. Either end-note or footnote (end-note recommended) can be used to present additional information (for example: permanent, adequate postal addresses).

### 2.1.4. Personal e-mail address(es)

At least one e-mail address is needed. It will be used as the corresponding author's email address in all contacts with the authors. See `\author{...}` how to add your e-mail address.

### 2.1.5. Abstract

An abstract must accompany every article. It should be a brief summary of the significant items of the main paper. An abstract should give concise information about the content of the core idea of your paper. It should be informative and not only present the general scope of the paper but also indicate the main results and conclusions. An abstract should not normally exceed 200 words. It should not contain literature citations or allusions to the tables or illustrations. All non-standard symbols and abbreviations should be defined.

In combination with the title and key-words, the abstract is an indicator of the content of the paper. Authors should remember that on-line systems rely heavily on the content of titles and abstracts to identify articles in electronic bibliographic databases and search engines. They are therefore requested to take great care in preparing these elements.

Use `\abstract{...}` in order to include abstract of your manuscript.

### 2.1.6.

Use `\articletype{...}` to indicate article category, *i.e.*: regular research articles, rapid communications, communications and review papers.

### 2.1.7. Keywords

A list of keywords, proposed by authors, separated by `\*` is required. Up to five keywords is suggested.

Use `\keywords{key word 1 \* key word 2 \* key word 3}` to add your keywords.

### 2.1.8. Code numbers (PACS)

A list of Physics and Astronomy Classification Scheme (PACS 2008) numbers, separated by commas or semicolons is required. Up to five codes is suggested. Authors are fully responsible for correctness of chosen codes: `\pacs{01.30.-y, 01.30.Xx, 01.30.Tt}`. The PACS 2008 classification scheme is available at our paper processing system in “Classification” section.

### 2.1.9. Text

#### *General rules for writing*

- use simple and declarative sentences, avoid long sentences, in which the meaning may be lost by complicated construction;
- be concise, avoid idle words;
- make your argumentation complete; use commonly understood terms; define all non-standard symbols and abbreviations when you introduce them;
- explain all acronyms and abbreviations when they first appear in the text;
- use all units consistently throughout the article;
- be self-critical as you review your drafts.

#### *Structure of a paper*

Research papers and review articles should follow a strict structure. Generally a standard scientific paper is divided into:

- introduction: you present the subject of your paper clearly, you indicate the scope of the subject, you present the goals of your paper and finally the organization of your paper;
- main text: you present all important elements of your scientific message;
- conclusion: you summarize your paper.

Experimental part and/or calculations should be presented in sufficient details to enable reader to repeat the original work.

Use `\section{...}`, `\subsection{...}`, `\subsubsection{...}`, `\paragraph{...}` to organize your manuscript.

**Table 1.** A table caption should be put above the table.

	1st column	2nd column
1st row	$a_{11}$	$a_{12}$
2nd row	$a_{21}$	$a_{22}$

*Footnotes/End-notes/Acknowledgments*

We encourage authors to restrict the use of footnotes. If necessary, please make end-notes rather than footnotes.

Allowable footnotes/end-notes may include:

- the designation of the corresponding author of the paper;
- the current address of an author (if different from that shown in the affiliation);
- traditional footnote content.

Information concerning research grant support should appear in a separate Acknowledgment section (`\section*{Acknowledgments}`) at the end of the paper, not in a footnote. Acknowledgments of the assistance of colleagues or similar notes of appreciation should also appear in an Acknowledgments section, not in footnotes.

*Tables*

Authors should use tables only to achieve concise presentation, or where the information cannot be given satisfactorily in other ways. Tables should be numbered consecutively using Arabic numerals and referred to in the text by number. Each table should have an explanatory caption which should be as concise as possible. Use `\label{XXX}` and `\ref{XXX}` combination to refer to Tables 1, 2.

```
\begin{table}
\caption{A table caption.\label{tab1}}
\begin{tabular}{lcc}
\hline
& 1st column & 2nd column \\
\hline \hline
1st row &  $a_{11}$  &  $a_{12}$  \\
2nd row &  $a_{21}$  &  $a_{22}$  \\
\hline
\end{tabular}
\end{table}
```

**Table 2.** A table caption of Tab. 2.

	1st column	2nd column
1st row	$b_{11}$	$b_{12}$
2nd row	$b_{21}$	$b_{22}$

**Table 3.** Standard mathematical symbols.

symbol	L <sup>A</sup> T <sub>E</sub> Xsource	description
$\propto$	<code>\propto</code>	proportional to
$\equiv$	<code>\equiv</code>	equivalent to
$\approx$	<code>\approx</code>	approximately equal
$\sim$	<code>\sim</code>	asymptotically equal to, similar to
$\rightarrow$	<code>\to</code>	tends to
$c^*$	<code>c^*</code>	complex conjugate of c
$\mathbf{A}^\dagger$	<code>\mathbf{A}^\dagger</code>	Hermitian conjugate of matrix A
$\mathbf{A}^T$	<code>\mathbf{A}^T</code>	transpose of matrix A
$\langle \dots \rangle$	<code>\langle \dots \rangle</code>	average
$\mu$	<code>\textmu</code>	micro
%	<code>\%</code>	percent
‰	<code>\textperthousand</code>	per-thousand
°	<code>\textdegree</code>	degree (angle and/or temperature)

### Figures

Authors may use line diagrams and photographs to illustrate theses from their text. The figures should be clear, easy to read and of good quality. Styles and fonts should match those in the main body of the article. All figures must be mentioned in the text in consecutive order and be numbered with Arabic numerals. Use `\label{XXX}` and `\ref{XXX}` combination to refer to Figures 1, 2.

```
\begin{figure}
\includegraphics[width=0.7\textwidth]{file}
\caption{A figure caption.\label{fig1}}
\end{figure}
```

### Typesetting

Type main text in roman (upright) font. The chemical symbols and compounds, units of measure, most multi-letter operators and functions should be written in roman upright as well. The variables, constants, symbols for particles, most single-letter operators, axes and planes, channels, types (e.g., n, p), bands, geometric points,

Figure 1

**Figure 1.** A figure caption should be placed below the figure.



Figure 2

**Figure 2.** A figure caption for Fig. 2.

angles, lines, chemical prefixes, symmetry designations, transitions, critical points, color centers, quantum-state symbols in spectroscopy, and most single-letter abbreviations should be written in roman italic. Boldface roman type is reserved for indicating vectors and in some special cases matrices. The Latin terms: *et al.*, *in vivo*, *in vitro*, *ex vivo*, *in situ*, *in silico*, *etc.*, *de novo*, *a priori*, *ab initio*, *vice versa*, *ad hoc*, *sensu stricte*, *versus*, *via*, *i.e.*, *c.a.*, *per se* must be written in roman italic.

Use `\begin{proposition}[Pitagoras-Einstein] ...\end{proposition}` for **proposition** environment

**Proposition 2.1 (Pitagoras-Einstein).**

$$E = m(a^2 + b^2).$$

Use `\begin{remark} ... \end{remark}` for **remark** environment

**Remark 2.1.**

Remark one.

**Remark 2.2.**

Remark two.

Use `\begin{theorem}[Pitagoras--Einstein] ... \end{theorem}` for **theorem** environment

**Theorem 2.1 (Pitagoras-Einstein).**

$$E = m(a^2 + b^2). \tag{1}$$

Use `\begin{proof} ... \end{proof}` for **proof** environment. The proof environment will be automatically finished with *quad erat demonstrandum* sign.

*Proof.*

$$E = mc^2$$

$$a^2 + b^2 = c^2$$

$$E = m(a^2 + b^2).$$

□

### Mathematical symbols

The multiplication signs are reserved for a vector product ( $\mathbf{A} \times \mathbf{B}$ ) and simple dot product ( $\mathbf{A} \cdot \mathbf{B}$ ). The only exception are numbers expressed in scientific notation ( $9.7 \times 10^3$  MeV). The use of standard symbols presented in Table 3 is strongly recommended.

### Units

Units and dimensions should be expressed according to the metric system and SI units. This system is based on: meter (m), second (s), kilogram (kg), ampere (A), kelvin (K), mole (mol), and candela (cd). Most units are spaced off from the number, e.g. 12 mV. The only exceptions are:

$$1\%, 1\text{‰}, 1^\circ\text{C}, 1^\circ, 1', 1''.$$

Decimal multiples or sub-multiples of units are indicated by the use of prefixes

$$\mu=10^{-6}, \text{m}=10^{-3}, \text{c}=10^{-2}, \text{d}=10^{-1}, \text{da}=10^1, \text{h}=10^2, \text{k}=10^3, \text{M}=10^6, \text{G}=10^9, \text{etc.}$$

Compound units are written as

$$4221.9 \text{ J kg}^{-1} \text{ K}^{-1} \text{ or } 4221.9 \text{ J}/(\text{kg K}),$$

with a thin space between unit parts.

Authors should indicate precisely in the main text **where tables and figures should be inserted**, if these elements are given at the end in the original version of the manuscript (or supplied in separate files). If this information is not provided along with the manuscript, we will assume that the figures and/or tables should be insert at the closest position to first reference to them in the published paper.

### Multimedia and images

Authors can attach files in most popular formats, including (for example):

- images in BMP, GIF, JPEG formats,
- multimedia files in MPEG or AVI formats.

However please keep to file types that are read by standard media players (e.g. RealPlayer, Quicktime, Windows Media Player) and/or standard office applications (Adobe Acrobat Reader, Microsoft Office etc.).

Your attachments may be accessible through links to external locations or to our internal locations (if you choose the second option, please remember to send us your attachments).

Please remember that your images, video and animation clips are intended for Internet use and we need to consider the needs of users with slow Internet connections. Please try to minimize file sizes by using a lower resolution or number of colors for images and animations (as long as the material is still clear). To help you in formatting your images (including tables and figures) or multimedia files, please submit your paper with separate attachments, which are used in your paper.

### *English language*

Central European Journal of Physics is published only in English. Make sure that your manuscripts are clearly and grammatically written. Please note that authors who are not native-speakers of English can be provided with help in rewriting their contribution in correct English. Try to prepare your manuscript in an easily readable style; this will help avoid severe misunderstandings which might lead to rejection of the paper.

#### **2.1.10. Reference list**

A complete reference should give the reader enough information to find the relevant article. All authors (unless there are six or more) should be named in the citation. If there are six or more, list the name of the first one followed by “et al”. Please pay particular attention to spelling, capitalization and punctuation here. Completeness of references is the responsibility of the authors. A complete reference should comprise the following:

##### *Reference to an article in a journal*

Elements to cite: Author's Initials. Surname, – if more authors, see examples below, Title of journal – abbreviated according to the ISI standards<sup>1</sup>, volume number, page or article number (year of publication). Please supply DOI or URL for e-version of the papers. See Refs. [1–8] for example.

##### *Reference to a book*

Elements to cite: Author's Initials. Surname, Title, Edition – if not the first (Publisher, Place of publication, Year of publication) [9].

##### *Reference to a part/chapter book*

Elements to cite: Author's Initials. Surname, In: Editor's Initials. Editor's Surname (Ed.), Book Title, Edition – if not the first, (Publisher, Place of publication, Year of publication) page number [10].

##### *Reference to a preprint*

Elements to cite: Author's Initials. Surname, arXiv:preprint-number and version [11, 12].

##### *Reference to a conference proceedings*

Elements to cite: Author's Initials. Surname, In: Editor's Initials. Editor's Surname (Ed.), Conference, date, place (town and country) of conference (Publisher, place of publication, year of publication) page number [13].

##### *Reference to a thesis*

Elements to cite: Author's Initials. Surname, D.Sc./Ph.D./M.Sc./B.Sc. thesis, University, (town, country, year of publication) [14].

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<sup>1</sup> [http://images.isiknowledge.com/WOK46/help/WOS/0-9\\_abrvjt.html](http://images.isiknowledge.com/WOK46/help/WOS/0-9_abrvjt.html)

*Reference to an article in a newspaper*

Elements to cite: Author's Initials. Surname, Newspaper Title, date of publication, page number [15, 16].

*Reference to a patent*

Elements to cite: Originator, Series designation which may include full date [17].

*Reference to a standard*

Elements to cite: Standard symbol and number, Title [18, 19].

Please add language of publication for materials which are not written in English. Indicate materials accepting for publications by adding “(in press)”. Please avoid references to unpublished materials, private communication and web pages.

You should make sure the information is correct so that the linking reference service may link abstracts electronically. For the same reason please separate each reference from the others.

Before submitting your article, please ensure you have checked your paper for any relevant references you may have missed.

**2.1.11. Submission formats**

Manuscripts for CEJP should be submitted in the L<sup>A</sup>T<sub>E</sub>X format with figures in EPS, PDF or PNG format. Authors are strongly encouraged to register their manuscript in arXiv preprint server and submit it to our Editorial Manager using arXiv's paper ID.

**2.1.12. Supplementary data**

You can also submit any supplementary data files as well. These may include long tables (in HTML or plain TXT format) or movies (preferably in AVI format).

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