

Preparing a paper for publication in *IOP: Conference Series*

J Mucklow¹ and A Jansson²

¹ Senior Production Editor, IOP Publishing, Bristol, UK

² Production Assistant, IOP Publishing, Bristol, UK

E-mail: jacky.mucklow@iop.org

Abstract. These guidelines (laid out in the recommended format of a published article) summarize the key requirements for an article to be published in *IOP: Conference Series*. **Articles will not be edited, proofread or have changes made to the layout; the submitted PDF will be used for both online and print.** It is, therefore, the author's responsibility to ensure that the content and layout are correct—no changes can be made after publication.

1. Key requirements

The following lists the essential requirements for an article to be published in an *IOP: Conference Series* journal:

- the page size should be A4;
- each page should have clear margins of 4cm (top), 2.5cm (left and right) and 2.7cm (bottom);
- pages should not contain page numbers, running heads or footlines;
- all articles *must* contain an abstract;
- in the PDF, all fonts should be embedded.

1.1. Layout of the title page

The title should be followed by a list of all authors' names and their affiliations. The style for the names is initials (no periods) followed by the family name. The authors' affiliations follow the author list. If there is more than one address then a superscripted number should come at the start of each address; each author should also have a superscripted number or numbers following their name to indicate which address, or addresses, are the appropriate ones for them. E-mail addresses may be given for any or all of the authors.

The abstract follows the list of addresses. The abstract text should be indented 25 mm from the left margin. As the abstract is not part of the text it should be complete in itself; no table numbers, figure numbers, references or displayed mathematical expressions should be included. It should be suitable for direct inclusion in abstracting services.

2. The text

The text of your article should start on the same page as the abstract. Any Acknowledgments should be placed immediately after the last numbered section of the paper, and any appendices after the Acknowledgments section. **The length limit will be provided by the conference organizer.**

3. Figures and tables

Figures and tables should be numbered serially and positioned (centred on the width of the page) close to where they are mentioned in the text, not grouped together at the end. Each figure and table should have a brief explanatory caption.

3.1. Colour figures

There are no restrictions on the use of colour in the online version of your article. However, you should bear in mind that any print version of your article is likely to be in black and white which may make coloured lines difficult to distinguish.

4. Supplementary data

We are happy for authors to submit supplementary data attachments to enhance the online versions of published articles. Supplementary data enhancements typically consist of video clips, animations or supplementary data such as data files, tables of extra information or extra figures.

5. References

Online references will be linked to their original source or to the article within a secondary service such as INSPEC or ChemPort wherever possible. To facilitate this linking extra care should be taken when preparing reference lists.

A complete reference should provide enough information to locate the article concerned in print or electronic form. If you are unsure of a particular journal's abbreviated title it is best to leave the title in full. The terms *loc. cit.* and *ibid.* should not be used.

5.1. References to printed journal articles

References to printed journal articles should typically contain:

- the authors, in the form: family name (only the first letter capitalized) followed by initials with no periods after the initials;
- the year of publication;
- the article title (optional) in lower case letters, except for an initial capital;
- the journal title (italic and abbreviated). Parts denoted by letters should be inserted after the journal in Roman type;
- the volume number in bold type;
- the article number or the page numbers.

5.2. A typical (numerical) reference list

References

- [1] Strite S and Morkoc H 1992 *J. Vac. Sci. Technol.* B **10** 1237
- [2] Gusev A A *et al* 2011 *J. Phys.: Conf. Series* **291** 012052
- [3] Kurata M 1982 *Numerical Analysis for Semiconductor Devices* (Lexington, MA: Heath)
- [4] Kunze K 2003 T-duality and Penrose limits of spatially homogeneous and inhomogeneous cosmologies *Phys. Rev. D* **68** 063517 (*Preprint* gr-qc/0303038)

«IOP Conference Series: Materials Science and Engineering» multimedia guidelines

1. Introduction

Journal encourages authors to submit multimedia files to enhance the online versions of published research articles. Multimedia enhancements typically consist of video clips, animations or supplementary data such as data files, tables of extra information or extra figures. They can add to the reader's understanding and present results in attractive ways that may be used to convey essential information.

2. Multimedia files

Video animation and clips

Acceptable formats for video or animation clips are MPEG, QuickTime, Windows AVI or Animated GIF. Your video or animation clips are intended for internet use via our Web server, and we need to consider the needs of users with slow internet connections (e.g. modem-based users) so that your work can be made available to the widest possible readership.

Please aim to minimize file sizes and data rates, by considering the following points:

- 480 × 360 pixels is the recommended maximum frame size.
- A recommended frame rate is 12–15 frames per second (fps). (Many packages output 30 fps as standard, but you can specify a lower frame rate.)
- Use a 256 colour palette if that is suitable for the presentation of the material.

Please consider the use of lower specifications for all these points if the material can still be represented clearly. Our recommended maximum file size is 3MB. Our recommended maximum data rate is 150 KB/s.

The various formats have different characteristics that you should consider when choosing the format for your material:

MPEG

- Suitable for photo-realistic material.
- Requires users to have a third party viewer.
- We recommend MPEG 1.
- The MPEG standard is specified in terms of millions of colours and at least 24 fps, so you cannot choose lower specifications for these settings.

QuickTime and Windows AVI

- Suitable for computer-generated material.
- Requires users to have a third party viewer.
- We recommend the Cinepak codec for compression. This provides good compression and, importantly, it is widely supported.
- You can often consider the use of a 256 colour palette for computer-generated material.
- As a general rule, we recommend using Quality 75%.

Animated GIF

- Suitable for computer-generated material.
- Animations may be rendered directly in a Web browser without the need for a third party viewer.
- Please use only standard GIF functions as some browsers don't support the whole GIF 89 standard.
- Because GIF compression is not good, consider small frame sizes and low frame rates.

3. Supplementary data

Data files or extra figures can be submitted in any of the usual formats (PDF, Word, TeX, EPS, GIF, TIFF, etc). In addition, we are happy to consider output files from specialized data processing software and computer program codes.

We will not always be able to check the contents of data files so you should consider the requirements of anyone who downloads your multimedia files. Do your multimedia files require an explanation of how to use them? If so, please include a simple 'read-me' text file containing brief instructions on how to use the file(s) you are supplying. For example, they may contain data for input into specialized modelling software in which case it would help readers to know which software package (and version) is required to use the data.

4. Software and executable files

Although rare, we do receive the occasional request to upload executable software written and compiled by the authors of the corresponding paper. Providing downloadable software has to be handled with great care and caution so please contact us for further advice prior to supplying software. It is also important that you have the right to distribute any executable programs that you intend to make available with your paper.