Layout guide forInternational Conference on Civil and Environmental Engineering for Sustainability (IConCEES) using Microsoft Word

**J Mucklow**1**, J E Thomas**1,3 **and A J Cox**2,4

1 Physic Department, Brookhaven National Laboratory, Upton NY 11973-500,USA

2 NIST center for Neutron Research, National Institute of Standards and Technology, Gaithersburg, MD 20899-8562,USA

3 Department of Chemistry, University College London, 20 Gordon Street, London WC1H0AJ, UK

4 Department of Physic and Astronomy, Canadian Institute for Advanced Research, McMaster University, Hamilton, ON, L8S 4MI, Canada

Corresponding author: author@mail.com

**Abstract.** All articles *must* contain an abstract.The abstract text should be formatted using 10 point Times or Times New Roman and indented 25 mm from the left margin. Leave 10 mm space after the abstract before you begin the main text of your article, starting on the same page as the abstract. The abstract should give readers concise information about the content of the article and indicate the main results obtained and conclusions drawn. The abstract is not part of the text and 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 and should not normally exceed 200 words in a single paragraph. Since contemporary information-retrieval systems rely heavily on the content of titles and abstracts to identify relevant articles in literature searches, great care should be taken in constructing both.

1. Introduction

These guidelines, written in the style of a submission to *J. Phys.: Conf. Ser.*, show the best layout for your paper using Microsoft Word. It is *vital* that you do not add any headers, footers or page numbers to your paper; these will be added during the production process at IOP Publishing (this is why the Header and Footer margins are set to 0 cm in table 1).

1. Formatting the title, authors and affiliations

Please follow these instructions as carefully as possible so all articles within a conference have the same style to the title page. This paragraph follows a section title so it should not be indented.

* 1. Formatting the title

The title is set 17 point Times Bold, flush left, unjustified. The first letter of the title should be capitalized with the rest in lower case. It should not be indented. Leave 28 mm of space above the title and 10 mm after the title.

* 1. Formatting author names

The list of authors should be indented 25 mm to match the abstract. The style for the names is initials then surname, with a comma after all but the last two names, which are separated by ‘and’. Initials should not have full stops—for example A J Smith and not A. J. Smith. First names in full may be used if desired. If an author has additional information to appear as a footnote, such as a permanent address or to indicate that they are the corresponding author, the footnote should be entered after the surname.

* 1. Formatting author affiliations

Please ensure that affiliations are as full and complete as possible and include the country. The addresses of the authors’ affiliations follow the list of authors and should also be indented 25 mm to match the abstract. If the authors are at different addresses, numbered superscripts should be used after each surname to reference an author to his/her address.

The numbered superscripts should not be inserted using Word’s footnote command because this will place the reference in the wrong place—at the bottom of the page (or end of the document) rather than next to the address. Ensure that any numbered superscripts used to link author names and addresses start at 1 and continue on to the number of affiliations. Do not add any footnotes until all the author names are linked to the addresses.

* 1. Indicating the corresponding author’s e-mail

Indicate the e-mail address of the author to whom any correspondence should be addressed on a new line directly after the author affiliations.

1. Formatting the text

The text of your paper should be formatted as follows:

* 11 point Times or Times New Roman.
* The text should be set to single line spacing.
* Paragraphs should be justified.
* The first paragraph after a section or subsection heading should not be indented; subsequent paragraphs should be indented by 5 mm.
1. Sections, subsections and subsubsections

The use of sections to divide the text of the paper is optional and left as a decision for the author. Where the author wishes to divide the paper into sections the formatting shown in table 1 should be used.

* 1. Style and spacing

|  |
| --- |
| **Table 1.** Formatting sections, subsections and subsubsections. |
|  | Font | Spacing |
| Section | 11 point **Times bold** | 1 line space before a sectionNo additional space after a section heading |
| Subsection | 11 point *Times Italic* | 1 line space before a subsectionNo space after a subsubsection heading |
| Subsubsection | 11 point *Times Italic* | Subsubsections should end with a full stop (period) and run into the text of the paragraph |

* 1. Numbering

Sections should be numbered with a dot following the number and then separated by a single space:

* sections should be numbered 1, 2, 3, etc
* subsections should be numbered 2.1, 2.2, 2.3, etc
* subsubsections should be numbered 2.3.1, 2.3.2, etc
1. Footnotes

Footnotes should be avoided whenever possible. If required they should be used only for brief notes that do not fit conveniently into the text.

1. Figures

Each figure should have a brief caption describing it and, if necessary, a key to interpret the various lines and symbols on the figure.

* 1. Space considerations

Authors should try to make economical use of the space on the page; for example:

* avoid excessively large white space borders *around* your graphics;
* try to design illustrations that make good use of the available space—avoid unnecessarily large amounts of white space *within* the graphic;
	1. Text in figures

Wherever possible try to ensure that the size of the text in your figures (apart from superscripts/subscripts) is approximately the same size as the main text (11 points).

* 1. Line thickness

In general, try to avoid extremely fine lines (often called ‘hairline’ thickness) because such lines often do not reproduce well when printed out—your diagrams may lose vital information when downloaded and printed by other researchers. Try to ensure that lines are no thinner than 0.25 pt. Note that some illustrations may reduce line thickness when the graphic is imported and reduced in size (scaled down) inside Microsoft Word.

* 1. Colour illustrations

You are free to use colour illustrations for the online version of *Journal of Physics: Conference Series* but any print version will only be printed in black and white unless special arrangements have been made with your conference organizer for colour printing. Please check with the conference organizer whether or not this is the case. If any print version will be black and white only, you should check your figure captions carefully and remove any reference to colour in the illustration and text. In addition, some colour figures will degrade or suffer loss of information when converted to black and white and this should be taken into account when preparing them.

* 1. Positioning figures

Individual figures should normally be centred but place two figures side-by-side if they will fit comfortably like this as it saves space. Place the figure as close as possible after the point where it is first referenced in the text. If there are a large number of figures it might be necessary to place some before their text citation. Figures should never appear within or after the reference list.

* 1. Figure captions/numbering

Captions should be below the figure and separated from it by a distance of 6 points—although to save space it is acceptable to put the caption next to the figure. Figures should be numbered sequentially through the text—‘Figure 1’, ‘Figure 2’ and so forth and should be referenced in the text as ‘figure 1’, ‘figure 2’,… and not ‘fig. 1’, ‘fig. 2’, ….

For captions not placed at the side of the figure, captions should be set to the width of the figure for wider figures, centred across the width of the figure, or, for narrow figures with wide captions, slightly extended beyond the width of the figure. The caption should finish with a full stop (period).

|  |
| --- |
| WiderFigureShortCaption |
| **Figure 1.** Figure with short caption (caption centred). |

|  |
| --- |
| WiderFigureWiderCaption |
| **Figure 2.** In this case simply justify the caption so that it is as the same width as the graphic. |

* 1. Figures in parts

If a figure has parts these should be labelled as (a), (b), (c) etc on the actual figure. Parts should not have separate captions.

1. Tables

Note that as a general principle, for large tables font sizes can be reduced to make the table fit on a page or fit to the width of the text. Because tables can take many forms, it is difficult to provide detailed guidelines; however, the following examples demonstrate our preferred styles.

|  |
| --- |
| **Table 3.** A simple table. Place the caption above the table. Here the caption is wider than the table so we extend it slightly outside the width of the table. Justify the text. Leave 6 pt of space between the caption and the top of the table. |
|  |  |
| Distance (m) | Velocity (ms–1) |
| 100 | 23.56 |
| 150 | 34.64 |
| 200 | 23.76 |
| 250 | 27.9 |

* 1. Positioning tables

Tables should be centred unless they occupy the full width of the text.

* 1. Tables in parts

If a table is divided into parts these should be labelled (a), (b), (c) etc but there should only be one caption for the whole table, not separate ones for each part.

* 1. Table captions/numbering

Tables should be numbered sequentially throughout the text and referred to in the text by number (table 1, **not** tab. 1 etc). Captions should be placed at the top of the table and should have a full stop (period) at the end. Except for very narrow tables with a wide caption (see examples below) the caption should be the same width as the table.

* 1. Rules in tables

Tables should have only horizontal rules and no vertical ones. Generally, only three rules should be used: one at the top of the table, one at the bottom, and one to separate the entries from the column headings. Table rules should be 0.5 points wide.

* 1. Examples
		1. More complex tables. The following is a slightly more complex table with a caption that is narrower than the table. Centre the caption across the width of the table. If it is difficult to make a table fit the page, use a smaller font. Headings should normally be in Roman (i.e., not bold or italic) type, have an initial capital and normally align left (but centred sometimes looks better); it is up to the author to choose a layout that is most useful to the reader. Columns of numbers normally align on the decimal point.

**Table 4.** A slightly more complex table with a narrow caption.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Wake Chi Sqr. (*N*=15, *df*=1) | *p* | Stage 1 Chi Sqr. (*N*=15, *df*=1) | *p* | Stage 2 Chi Sqr. (*N*=15, *df*=1) | *p* |
| **F3** | 1.143 | 0.285 | 0.286 | 0.593 | 0.286 | 0.593 |
| **Fz** | 1.143 | 0.285 | 0.067 | 0.796 | 0.067 | 0.796 |
| **C4** | 2.571 | 0.109 | 0.600 | 0.439 | 1.667 | 0.197 |

|  |
| --- |
| **Table 5.** A slightly more complex table with a caption that is the same width as the table. Simply place the caption inside a row at the top of the table and merge (combine) the cells together so that you have a single table cell the width of the table. Justify the caption. |
|  | Wake Chi Sqr. (*N*=15, *df*=1) | *p* | Stage 1 Chi Sqr. (*N*=15, *df*=1) | p | Stage 2 Chi Sqr. (*N*=15, *df*=1) | *p* |
| **F3** | 1.143 | 0.285 | 0.286 | 0.593 | 0.286 | 0.593 |
| **Fz** | 1.143 | 0.285 | 0.067 | 0.796 | 0.067 | 0.796 |
| **Cz** | 1.143 | 0.285 | 0.077 | 0.782 | 0.286 | 0.593 |

* 1. Notes to tables

If you wish to format a table so that it contains notes (table footnotes) to the entries within the body of the table and/or within the table caption, these notes should be formatted using alphabetic superscripts such as a, b, c and so forth. Notes within the table caption should be listed first. Notes should be placed at the bottom of the table; one convenient method is to create an empty row at the bottom of the table to contain them. Again, merge the cells to give you a single cell the width of the table. Table notes should be 10 point Times Roman. Each note should be on a separate line.

|  |
| --- |
| **Table 6.** A table with headings spanning two columns and containing notesa. |
| Nucleus | Thickness(mg cm–2) | Composition | Separation energies |
| , n (MeV) | , 2n (MeV) |
| 181Ta | 19.3±0.1b | Natural | 7.6 | 14.2 |
| 208Pb | 3.8±0.8 | 99% enriched | 7.4 | 14.1 |
| 209Bi | 2.6±0.01 | Natural | 7.5 | 14.4 |
| a Notes are referenced using alpha superscripts.b Self-supporting. |

1. Equations and mathematics
	1. Fonts in Equation Editor (or MathType)

Make sure that your Equation Editor or MathType fonts, including sizes, are set up to match the text of your document.

* 1. Alignment of mathematics

The preferred style for displayed mathematics in *Journal of Physics: Conference Series* is to centre equations; however, long equations that will not fit on one line, or need to be continued on subsequent lines, should start flush left. Any continuation lines in such equations should be indented by 25 mm.

Equations should be split at mathematically sound points, often immediately before =, + or – signs or between terms multiplied together. The connecting signs are not repeated and appear only at the beginning of the turned-over line. A multiplication sign should be added to the start of turned-over lines where the break is between two multiplied terms.

* + 1. Small displayed equations: Some examples:

  (1)

  (2)

However, if equations will fit on one line, do so; for example, (5) may also be formatted as:

  (6)

* + 1. Large display equations: examples. If an equation is almost the width of a line, place it flush left against the margin to allow room for the equation number.

 (7)

* 1. Equation numbering

Equations may be numbered sequentially throughout the text (i.e., (1), (2), (3),…) or numbered by section (i.e., (1.1), (1.2), (2.1) ,…) depending on the author’s personal preference. In articles with several appendices equation numbering by section is useful in the appendices even when sequential numbering has been used throughout the main body of the text: for example, A.1, A.2 and so forth. When referring to an equation in the text, always put the equation number in brackets—e.g. ‘as in equation (2)’ or ‘as in equation (2.1)’—and always spell out the word ‘equation’ in full, e.g. ‘if equation (5) is factorized’; do not use abbreviations such as ‘eqn.’ or ‘eq.’.

1. References

[1] Aderhold J, Davydov V Yu, Fedler F, Klausing H, Mistele D, Rotter T, Semchinova O, Stemmer J and Graul J 2001 *J. Cryst. Growth* **222** 701

[2] Strite S and Morkoc H 1992 *J. Vac. Sci. Technol.* B **10** 1237

[3] Nakamura S, Senoh M, Nagahama S, Iwase N, Yamada T, Matsushita T, Kiyoku H and Sugimoto Y 1996 *Japan. J. Appl. Phys.* **35** L74

[4] Kunze K 2003 T-duality and Penrose limits of spatially homogeneous and inhomogeneous cosmologies *Phys. Rev.* D **68** 063517 (*Preprint* gr-qc/0303038)

[5] Milson R, Coley A, Pravda V and Pravdova A 2004 Alignment and algebraically special tensors *Preprint* gr-qc/0401010

[6] Horowitz G T and Maldacena J 2004 The black hole final state *J. High Energy Phys.* JHEP02(2004)008

[7] Sze S M 1969 *Physics of Semiconductor Devices* (New York: Wiley–Interscience)

[8] Dorman L I 1975 *Variations of Galactic Cosmic Rays* (Moscow: Moscow State University Press) p 103

[9] Caplar R and Kulisic P 1973 *Proc. Int. Conf. on Nuclear Physics (Munich)* vol 1 (Amsterdam: North-Holland/American Elsevier) p 517

[10] Szytula A and Leciejewicz J 1989 *Handbook on the Physics and Chemistry of Rare Earths* vol 12, ed K A Gschneidner Jr and L Erwin (Amsterdam: Elsevier) p 133

[11] Kuhn T 1998 Density matrix theory of coherent ultrafast dynamics *Theory of Transport Properties of Semiconductor Nanostructures* *(Electronic Materials* vol 4*)* ed E Schöll (London: Chapman and Hall) chapter 6 pp 173–214

**Acknowledgments**

Authors wishing to acknowledge assistance or encouragement from colleagues, special work by technical staff or financial support from organizations should do so in an unnumbered Acknowledgments section immediately following the last numbered section of the paper.

***A Quick Guide on Formatting of References List***

**Journal**

Authors Year Title of Paper**,** *Name of Journal* **Volume** Page

|  |  |
| --- | --- |
| Example  | Mugahed Amran Y H, Farzadnia N and Abang Ali A A 2015 Properties and application of foamed concrete: A review, *Constr. Build. Mater*. **101** 990-1005 |

**Book**

Authors Year *Name of Book* (Place: Publisher) Page

|  |  |
| --- | --- |
| Example  | Rackham J W, Couchman G H and Hicks S J 2009 *Composite Slabs and Beams Using Steel Decking: Best Practise for Design and Construction* (Berkshire: The Steel Construction Institute) pp 103-110 |

**Proceedings**

Authors Year Title of Paper *Name of Proceedings (Venue of Conference)* Volume (Place: Publisher) Page

|  |  |
| --- | --- |
| Example  | Sathwanea S H, Vairagadeb V S and Kenec K S 2013 Combine effect of rice husk ash and fly ash on ceret by 30% cement replacement *Proc. Int. Conf. on Civil Engineering (Melaka)* vol 51 (Paris: MATEC Web of Conference) pp 10-23 |

**Thesis or Dissertation**

Authors Year *Title of Thesis* Type of Thesis (Place: Name of Institution) Page

|  |  |
| --- | --- |
| Example  | Jaini Z M 2012 *Multi-Scale Modelling of Protective Ceramic Composite* PhD Thesis (Swansea: Swansea University) pp 89-103 |

**Chapter in Book**

Authors Year Title of Chapter *Title of Book* Editors (Place: Publisher) Chapter Page

|  |  |
| --- | --- |
| Example  | Kuhn T 1998 Density matrix theory of coherent ultrafast dynamics *Theory of Transport Properties of Semiconductor Nanostructures* ed E Schöll (London: Chapman and Hall) chapter 6 pp 173–214 |

**Research or Technical Report**

Authors Year *Title of Report* Detail of Report(Place: Name of Institution) Page

|  |  |
| --- | --- |
| Example  | Ruben J S and Baskar G 2015 *Experimental Study of Coir Fiber as Concrete Reinforcement Material in Cement Based Composites* JRC Technical Report No. 328 (London: Institute of Civil Engineering) pp 123-149 |

**Standard or Code of Practise**

Authors or Standard or Institution Year *Name of Standard* (Place: Name of Publisher) Page

|  |  |
| --- | --- |
| Example  | Eurocode 2 2014 *Design of Concrete Structure Part 1-1: General Rules and Rule for Building* (London: British Standard) pp 23-24 |

**Newspaper Article**

Authors Year *Title of Article* Name of Newspaper page (Date)

|  |  |
| --- | --- |
| Example  | Chi M 2015 *Important to Tackle Food Waste in Waste Segregation Programme* The Malay Mail pp 15-16 (August 25)  |

**Internet Article**

Authors or Institution Year *Title of Article* Date of Retrieval URL

|  |  |
| --- | --- |
| Example  | Royal Society for the Prevention of Accidents 2012 *Safer Motorcycling Through Work* Retrieved on April 20, 2014 from http://www.rospa.com/road-safety/resources  |