LAYOUT GUIDE FOR INTERNATIONAL CONFERENCE ON DIGITAL TRANSFORMATION AND APPLICATIONS (ICDXA 2021)USING MICROSOFT WORD

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**ABSTRACT**

All articles *must* contain an abstract.The abstract text should be formatted using 12 point Times or Times New Roman. 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.

***Keywords: Keywords 1, Keywords 2, Keywords 3, Keywords 4, Keywords 5***

**List of notations**

*v* is the allowable vertical displacement

α is the coefficient of thermal expansion of concrete

*T2* is the slab bottom surface temperature

*T1* is the slab top surface temperature

*L* is the length of the longer span of the slab

*l* is the length of the shorter span of the slab

*h* is the effective depth of the slab, as given in BS EN1994-1-2

*fy* is reinforcement yield stress

*E* is the elastic modulus of the reinforcement

1. INTRODUCTION

A concise, accurate, but not exhaustive, summary of current knowledge, with reference to relevant previous and recent works in the field should be presented. This should be accompanied with the aims of and justification for the work contained in the submitted manuscript.

The methods and processes applied to investigate and achieve the aims should be communicated in sufficient detail that readers could repeat the work successfully (Chapman *et al.*, 2005). The results should be reported clearly and logically, must be interpreted accurately and discussed fairly. Figures/tables can be used to support these findings but data must not be reproduced in more than one form. It is a requirement that all research articles include a section at the end of the main text that highlights the contribution of the findings to the field and any potential applications (Diamond, 1993).

These guidelines 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 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 16 point Times Bold and centered. 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 centered. 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:

* 12 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 | 12 point **Times bold** | 1 line space before a section  No additional space after a section heading |
| Subsection | 12 point **Times bold** | 1 line space before a subsection  No space after a subsubsection heading |

* 1. **Numbering**

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

* sections should be numbered 1.0, 2.0, 3.0, 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 (12 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 illustration, but any print version will only be printed in black and white unless special arrangements have been made with your conference organiser for colour printing. Please check with the conference organiser 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.

|  |  |
| --- | --- |
|  |  |

* 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 of 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 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 2. 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 3. A slightly more complex table with a caption that is the same width as 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 4. 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

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 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.

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)

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 factorised’; do not use abbreviations such as ‘eqn.’ or ‘eq.’.

**9.0 CONCLUSIONS**

A concise summary of the findings or, in the instance of case studies or project papers, the lessons learned. No new information should be introduced here. If necessary, you should explain here the applicability / relevance of your article to readers in other countries. Research papers must explain the practical relevance and potential applications of the work described. This is important to readers working in civil engineering and related practice.

**10.0 ACKNOWLEDGMENTS**

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