New Horizons in Civil Engineering – Innovative Civil Engineering Materials and Systems 2024

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**Abstract**. Start your abstract here… All articles *must* contain an abstract.The abstract text should be formatted using 11 point Times or Times New Roman and 25 mm margin on all four sides in an A4 paper size. The abstract should give readers brief 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 250 words in a single paragraph. The title is set 16 point Times Bold, centre alignment. The first letter of the title should be capitalized with the rest in lower case. Title should not be more than two lines. Kindly note the the submission of abstract and full-length paper should be made through the link provided on the website. For any queries contact nhce2024@manipal.edu.

**Keywords.** Maximum of five words is allowed, each should be separated by comma.

1. **Introduction**

Authors who have had their abstract submission accepted for NHCE ICEMS - 2024 should prepare their full paper in accordance with the guidance provided in this document. It is expected that authors will submit carefully written and proofread material. Spelling and grammatical errors, as well as language usage problems, are not acceptable. It is vital that you do not add any headers, footers or page numbers to your paper.

A full length paper (as described in this document) of up to 8 pages in length

Papers should clearly describe the background of the subject, the authors work, including the methods used, and concluding discussion on the importance of the work. Papers are to be prepared in English and SI-units shall be used. Technical terms should be explained unless they may be considered to be known to the broader nuclear community. Acronyms should be written out at their first appearance.

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.
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 2 should be used.

* 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. **Style and spacing**

**Table 2. 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 bold** | 1 line space before a subsectionNo space after a subsubsection heading |
| Subsubsection | 11 point **Times bold** | Subsubsections should end with a full stop (period) and run into the text of the paragraph |

1. **Tables and figures**

Tables and figures should be placed close after their first reference in the text. All figures and tables should be numbered with Arabic numerals.

* 1. **Tables**

Tables should be captioned above in the order they are referenced in the text. The caption should be in the ‘Caption’ style (11 point font and bold placed above the table). A single line spacing should separate the bottom of the table with the body text - see Table 2. Tables should not break across pages.

**Table 2: Test results**

|  |  |  |
| --- | --- | --- |
| **Specimen** | **Stress** | **Strain** |
| 1 | 2 | 3 |
| 4 | 5 | 6 |

* 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 the caption should be the same width as the table.

* 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. Captions should be placed below the Figure, as shown in Figure 1. Figures should be a minimum of 300 dpi for photographs and 600 dpi for line drawings. 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).

Insert Figure without frame

**Figure 1: Caption of the figure**

* + 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’, ….

* 1. **Equations**

Equations should be edited in a suitable equation editor. They should be written in size 11 point script, preferably Times New Roman. They should be inserted into the text using the ‘Equation’ style and numbered sequentially, see Eq (1).

Variables should be defined immediately below the Equation using the style ‘Variables’.

$\left(x+a\right)^{n}=\sum\_{k=0}^{n}\left(\genfrac{}{}{0pt}{}{n}{k}\right)x^{k}a^{n-k}$ (1)

Where x = …

After inserting the variable definitions, hit return to revert to the ‘Body Text’ style.

* + 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.

1. **Conclusions**

If you have further queries, please contact nhce2024@manipal.edu. Please do not add any page numbers to your file – this will be done by the editors. All papers will be subject to a technical review. Submissions will be reviewed as soon as they are received, and comments will be forwarded to authors as soon as possible. Authors whose paper requires changes following the review will then have until 30th September 2024 to make the required changes.

**References**

The MLA (Modern Language Association) style (Author, Year) should be used throughout the paper. Samples are provided for a book (Wells, 1975); a journal paper (Brunner, 1949) and a conference paper (Crawford, 1965). Your list of references should be placed at the end using the ‘References’ style.

Williams, Ross P., and Arie Van Riessen. "Determination of the reactive component of fly ashes for geopolymer production using XRF and XRD." *Fuel*, Vol 89, No 12, (2010), 3683-3692.

Olivia, Monita, and Hamid Nikraz. "Properties of fly ash geopolymer concrete designed by Taguchi method." *Materials & Design (1980-2015),* Vol 36, (2012), 191-198.

Chen‐Tan, Nigel W., et al. "Determining the reactivity of a fly ash for production of geopolymer." *Journal of the American Ceramic Society,* Vol 92, No 4, (2009), 881-887.