Extended Abstract template for ICEM 2024

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Abstract

This document is a template for the extended abstract (3 – 6 pages) for ICEM 2024 using Microsoft Word. The styles and formats for ICEM 2024 have been incorporated into the structure of this document. This opening abstract, limited to 100 words in Times New Roman, 10pt summarizes the work's motivation, significance, key findings, and conclusions. Ensure the title is centered and in bold. Center and bolden authors' names and use a regular font for author affiliations. **Underline the presenting author's name in the author's list (See Author2 Name above)**. Utilize Times New Roman, 10pt, and 1.0 spacing normal font throughout the text. All manuscripts of extended abstracts must be in English. When receiving the manuscript, we assume that the corresponding authors grant us the copyright to use the manuscript for including in the on-line conference proceedings. Should authors use tables or figures from other publications, they must ask the corresponding publishers to grant them the right to publish this material in their paper. **The authors are requested NOT to put page numbers as it would be numbered after compilation.**

Keywords: Mention your keywords (maximum 5) in alphabetical order and separated with a semicolon (;)

<u>Introduction</u>

In this section, introduce the main problem and explain why your research matters. Offer some background to guide the reader, highlighting any gaps or unanswered questions. Keep it concise to show why your study is significant. Following this, the extended abstract may typically include sections on methodology, analysis, results and discussions, conclusions and references.

<u>General Specifications</u>

This template provides essential formatting instructions for creating the extended abstract in English. Ensure the text is fully justified with 1-inch margins on A4-sized paper. The extended abstract, including figures, tables, and end references, should span a minimum of 3 pages and a maximum of 6 pages, with the PDF size not exceeding 2 MB. Use left-aligned regular underlined font for the main headings while maintaining 1.0 spacing, justified text in a single column for the paragraphs. Maintain a 12pt spacing between paragraphs. References are cited in the text by square brackets [1]. Two references should be cited as [2, 3] when used together and as [4-6] when more than two are cited together. The references are to be numbered in the order in which they are cited in the text and are to be listed at the end of the extended abstract. Limit the total citations to a maximum of 15 nos. Use IEEE style for citing references which is already embedded in the sample formats given in the reference section for citing books, journal articles, conference proceedings, lecture series and webpages.

<u>Equations</u>

The equations can be made using the equation editor or MathType. A displayed equation is numbered using right justified Arabic numbers in parenthesis as shown in equation (1). The equation is 10pt font centered, with 12pt spacing above and below the equation to separate it from the surrounding text.

$$(1 + x)^n = 1 + \frac{nx}{1!} + \frac{n(n-1)x^2}{2!} \tag{1}$$

Be sure that the symbols in your equation have been defined before or immediately following the equation.

Figures

Figures, referenced in text sequentially as Fig. 1, Fig. 2… in the order of appearance should seamlessly integrate into the text, providing enough space to distinguish them from the surrounding content. Each figure must feature a self-contained caption positioned below the illustration. Subfigures, denoted as (a), (b), etc., should contain easily readable text and be succinctly explained in the caption. Ensuring precise alignment of figures within the text is crucial. Colored figures are encouraged, ensuring that all text within the figures is easily readable. A sample is shown below.
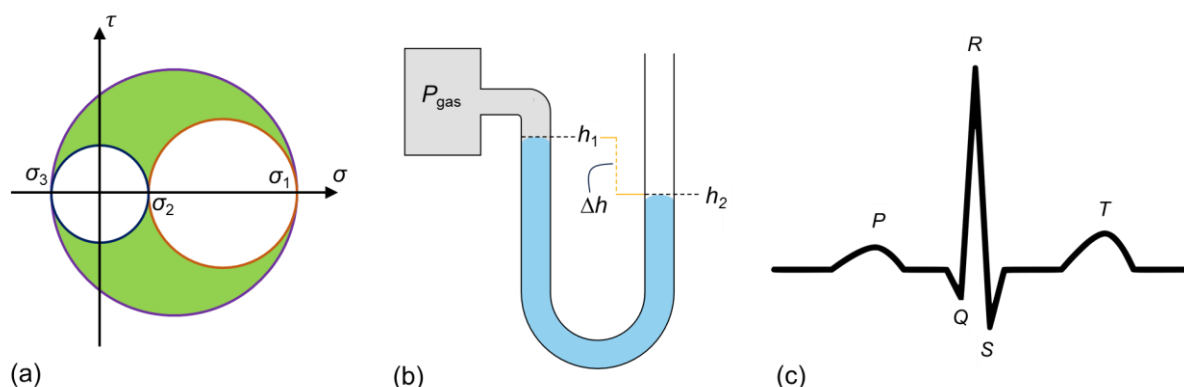

Fig. 1 Sample figures for (a) Mohr's circle for a 3-D stress state, (b) U-tube manometer and (c) an electrocardiogram waveform

Tables

Tables should be numbered in consecutive order and provided with a short caption. Use Table. 1, Table. 2… to refer to them in the text. The table and its caption should be centre aligned, ensuring a 12pt space above and below the table. Each heading row within the table requires a 6pt space both above and below. Further, the first line of table entries should have a 6pt space above, and the last line should have a 6pt space below. A sample table for illustration is provided below.

<div align="center">

Table 1 Sample table for experimental evaluation of axial stiffness

Experiment	Force Applied (N)	Displacement (mm)	Stiffness (N/mm)
Test 1	100	5.25	19.23
Test 2	150	7.45	20.13
Test 3	120	6.05	19.83

</div>

Summary

All experimental results must be assessed and validated by statistical parameters for acceptance with error bands and uncertainties reported, wherever possible. Numerical simulations are also welcome, provided that the work contains at least 25% experimental results for justifying/validating the numerical model results. The manuscript will not be proofread. Hence, the author(s) should ensure that the content is free of typographical, scientific and/or clerical errors.

Each contributing paper will be allotted a total time of 20 minutes which includes presentation and discussion. The same will be limited to 30 minutes for invited papers and 60 minutes for plenary lectures. An author's guide for preparing the presentation slides is available at this link. For every paper presentation/ poster, at least one author should have registered for the conference. We wish you an academically rich experience at the conference.

References

[1] Author(s) name, "*Book Title*," Publisher, Year.

[2] Author(s) name, "*Article Title*," Journal Name, vol., issue, pp., year, doi

[3] Author(s) name, "*Paper Title*," in Proc. Conference Name (*Conference Acronym Year*), pp., year.

[4] Author(s) name, "*YouTube Lecture Series Title*," URL (accessed Month Day, Year).

[5] "*Webpage Title*," URL (accessed Month Day, Year).