Paper Title for the Fourteen ICTEA

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Abstract

The extended abstract should start with a short abstract (200 words maximum) stating clearly the objectives, scope and results of the work presented. This set of instructions follows the required format for all papers to be included in the conference proceedings. It’s compulsory to use the template for the preparation of your paper. The formatting is rather straightforward as you just need to copy and paste your text making sure to retain this sample font type, size, etc. The length of the extended abstract **should not exceed** 3 pages for contributed papers.

*Keywords: Keyword one, Keyword two, Keyword three, Keyword four.*

Nomenclature

Please use standard notations. Should you choose to skip this section, all symbols must be clearly defined everywhere relevant in the text. Leave only one blank line between the title of this section and the first parameter description. Please do not forget to delete this paragraph or the entire section accordingly.

|  |  |
| --- | --- |
| D | Diameter of the jet , m |
| T | Temperature of the jet, K |

*Greek Symbols*

|  |  |
| --- | --- |
|  | Dynamic viscosity, Pa.s |
|  | Mass density, kg/m3 |

*Subscripts*

|  |  |
| --- | --- |
| 0 | Reference value |
|  |  |

*Exponents*

|  |  |
| --- | --- |
| K | Iteration number |
|  |  |

*Notations*

|  |  |
| --- | --- |
| D/Dt | Total derivative |
|  |  |

*Non-dimensional Numbers*

|  |  |
| --- | --- |
| Re | Reynolds number, [UD/] |
|  |  |

### 1. Introduction

The Conference Proceedings will be prepared from electronic file documents supplied by the author(s). To ensure publication quality and uniformity, the following requirements have been prepared to assist authors in preparing papers for the Conference. If these requirements are not followed, papers will be returned for revision and re-submittal. The resulting time delay could cause rejection of the paper because of publication deadlines for the Conference Proceedings.

### 2. Content

All text must be in a two-column format. The total allowable width of the text area is 17.1 cm wide by 24.4 cm high. Columns are 8.1 wide, with a 0.9 cm space between them. The main text is in 9-point Arial/Helvetica. Do not use double-spacing. All paragraphs should be indented and fully justified in the column. Please do not place any additional blank lines between paragraphs.

The section heading is centered within the column and the style is 10-point Arial/Helvetica boldface. The format includes 18-point spacing before and a 3-point after. Note also the added blank line after. Specific information on other important items follows. All sections and 1st, 2nd and 3rd level sub-section headings should be copied on from the samples provided herein with numbering scrupulously observed.

2.1. Text Heading 1

Note the blank line between the heading of this level 1 sub-section and this paragraph. The style is 9-point Arial boldface, flush left and a 12-point spacing before.

*2.1.1. Text Heading 2*

When needed, the level 2 sub-section heading follows this format; Leave one blank line between the heading and the text. This heading is 9-point Arial boldface, italicized with 12-point spacing before, and flush at the left margin.

*2.1.1.1 Text Heading 3*

If exceptionally needed, the level 3 sub-section heading should be 9-point Arial, italicized and flush left with appropriate numbering. Please leave no blank line between the heading and the text.

2.2. Equations, Formulas, Symbols, Units

Type all equations and formulas from the left margin (do not centre in the column) and number them consecutively. Equation numbers should be placed flush at the right margin in parentheses (ref. Eq.1). Refer to equations in the body of text by these numbers (e.g. “Eq.1” or “Equation 1 gives…”). Use SI units and Arabic numerals, but do not use italics.

 (1)

Equation (1) offers an example of equation format.

2.3. Illustrations

Number illustrations consecutively in the order of appearance and refer to them as Fig. 1, Figs 2 to 4, or Figure 1 represents, etc. Avoid sideways illustrations. Photographs should be of good quality contrast. Do not include colored illustrations. Figure lettering should be approximately the same size as the text with a minimum of 2 mm. Lines should preferably be 0.2 mm thick. Make sure that illustrations borrowed or adapted from another source are properly acknowledged. Figure captions should be 8-point Arial/Helvetica, boldface type as for Fig. 1.

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**Fig. 1. Single-column format figure for the 2nd ICTEA [1]**

Figure 1 gives a sample format for figures than can fit in one column. If your figure is not legible enough or is exceptionally big to be contained (legible) in a single column as Fig. 1, then you may use the double-column format as for Fig. 2. Please spare the use of double-column format for figures.



Fig. 2. 2-column format figure for the Third International Conference on Thermal Engineering and Applications [1]

2.4. Tables

Number tables consecutively in order of appearance and place them as close as possible to where they are first referenced in the text. Refer to tables as Table 1 or Tables 1 and 2, in the body of text. Avoid abbreviations in column headings (other than units). Indicate units. Type the caption above the table to the same width as the table, and do not leave a line space between the table caption and the table. Tables caption should be 8-point Arial/Helvetica, boldface type. We advice a single-column format table (e.g. Table 1).

Depending on their size, you can switch between single-column (e.g. Table 1) and double-column formats (e.g. Table 2).

|  |  |  |
| --- | --- | --- |
| Table 1. Sample of single-column format table for ICTEA | | |
|  | Load (N) | Gauge length (mm) |
| Results | 0 | 50.000 |
| 50,000 | 50.0613 |
| 100,000 | 50.1227 |
| 150,000 | 50.1848 |
| 175,000 | 51.50 |
| 200,000 | 51.35 |
| 225,000 | 52.90 |
| 231,000 | 53.40 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Table 2. Sample of 2-column format table for the Third International Conference on Thermal Engineering and Applications | | | | | | | |
| Iteration | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Error | 1e+020 | 0.383 | 1.25e-3 | 3.42e-5 | 1.60e-5 | 1.29e-5 | 1.06e-5 |

Please spare the use of two-column format tables.

2.2. Reference Citations

References should be numbered consecutively throughout the paper using Arabic figures in brackets: [1], [2], etc. and collected together in a section headed "**References**" at the end of the paper. Reference to journal articles [1], textbooks [2], papers in conference proceedings [3], chapters in books [4], monographs [2], technical reports [5] and theses [6], should provide sufficient information as in the samples.

2.2. Page Numbering

Each paper will be assigned a number in the conference proceedings. To facilitate printing and further referencing, local page numbering is used in each paper, starting from page 1. The page number should appear centered as footer; .

### 3. Conclusion

This template is designed to assist you in the preparation of your manuscript for the thirteen international conference on thermal engineering theory and applications. We are looking forward to seeing you in Baku, Azerbaijan in June 2020.

Acknowledgments

Put acknowledgments here; we thank all the participants to the Ninth International Conference on Thermal Engineering: Theory and Applications.

References

[1] Chacha M., Saghir M.Z, Van Vaerenbergh S, Legros JC. Influence of thermal boundary conditions on the double-diffusive process in a binary mixture. Philosophical Magazine 2003;41:2109-2129.

[2] Haik, Y.: Engineering Design Process. Pacific Grove: Brooks/Cole, 2003.

[3] Toukourou MM, Gakwaya A, Yazdani A. An object-oriented finite element implementation of large deformation frictional contact problems and applications. Proceedings of the 1st MIT conference on CFSM. Cambridge, MA, 2001.

[4] Chacha M, Occelli R, Tadrist L, Radev S. Desintegration of cylindrical liquid columns in liquid-fluid systems: direct numerical simulation. In: Steinchen A (Ed), Dynamics of Multiphase Flows. across Interfaces. Springer-Verlag, 1996, pp. 211-230.

[5] Peak RS. X-Analysis Integration (XAI) Technology. Georgia Tech Report EL002-2000A, March 2000.

[6] Tamburini D. The Analyzable Product Model Representation to Support Design-Analysis Integration. Doctoral Thesis, Georgia Tech.; 1999.