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ABSTRACT

This template is designed to assist authors in producing a document consistent with the requirements of the NICFD 2022 seminar. Each submitted paper should resemble these instruction sheets in format and style. Start with a concise abstract (limited to 15 lines or 150 words) that summarises the contents of the paper. Abstracts should not contain citations.

Keywords: e.g. propulsion components, green propulsion, new propellants...

1 INTRODUCTION

Please use this template for the preparation of your paper. If you wish to use the list of styles, please note that it is extensive but not necessarily complete.

If you have any suggestions for improvements, please contact the conference organisers: nicfd2022@city.ac.uk

2 SCOPE OF RESEARCH

2.1 Paper length

NICFD 2022 asks authors to submit papers of 6 pages or less, including tables and figures. Longer papers may be accepted at the discretion of the Review Chair and/or Editor.

2.1.1 Page layout

- Page size: A4 (297x210 mm)
- Margins: 13 mm left and right, 25 mm top and bottom
- Fully justified

2.1.2 Font and size

- Paper Id.: **18 pt bold** (1st page up-right corner)
- Paper title: **16 pt bold** (1st page centred at the top)
- Authors and affiliations: **10 pt bold**
- E-mail and info: 10 pt
- Normal text: 10 pt
- Captions: *10 pt italic*
- Text in tables: 10 pt
- symbols: 10 pt
- Sub/superscript: 7 pt
- Page number: 10 pt

2.2 Language

Manuscripts must be written in clear English. Both US and UK spellings are acceptable, but should be consistent throughout the manuscript.

Articles should be thoroughly checked and proofread before submission.

Authors may consult the Chicago Manual of Style, 16th Edition, for specific guidance on grammar, spelling, punctuation etc.

Articles with serious language issues may be rejected without peer review; authors who are not fluent English speakers are encouraged to use professional editing services before submission.

2.3 Heading and text

Please use the heading styles suggested for the headings. The body of the text (NICFD Body Text Indent style) is 10 pt, Times Roman with exactly 12 pt line spacing. No text should be smaller than 7 pt.

2.4 Footnotes

Please do not use footnotes.

2.5 Nomenclature

SI units should be used, although other units can be acceptable if widely used in a specific field.

Nomenclatures should follow established practices and recommendations from authoritative bodies and committees.

2.6 Equations

Equations should be set apart from the body of the text and centred. Please follow the example below:

$$E = mc^2 \quad (1)$$

$$pv = zRT \quad (2)$$

Please number the equations.

Each equation number must be unique. Equations should be centred, with the equation number in parentheses flush with the right-hand margin of the column.

Always refer to equations by number, as Eq. (1) or Eqs. (1)-(2). If at the beginning of a sentence, use 'Equation (1)-(2)'.

3 MAIN RESEARCH ISSUES

3.1 Figures

This includes photographs, graphs, and line drawings. Please number these consecutively.

Please insert all figures In Line with Text.

The style NICFD Figure Caption is available to use for figures and captions.



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Figure 1: *Logo*

Please ensure that all text on the figure is readable. Standard text should be approximately 10 pt when reduced to fit the document. No text should be smaller than 7 pt.

Please centre all figures in the page. Please leave a blank space after each figure.

Figure captions should be centred below the figures. Use the full word 'Figure' in the caption. Use the abbreviation 'Fig. 1' in the text. Use 'Figure 1' at the beginning of a sentence.

3.2 Tables

Please number the tables consecutively.

Table 1: *Measurements uncertainty. [1]*

| Property | Symbol | Uncertainty |
|-------------|--------|---------------|
| Velocity | v | ± 0.3 m/s |
| Temperature | T | ± 0.5 °C |

Please ensure that all text in the table is readable. Standard text should be 10 pt. No text should be smaller than 7 pt.

Please centre all tables in the column. Please leave a blank space before and after each table.

Table captions should be centred above the table. Use the full word 'Table' in the caption. Use the abbreviation 'Tab. 1' in the text. Use 'Table 1' at the beginning of a sentence.

4 METHODOLOGY

Please explain the methodology of the study here.

5 RESULTS

Please put main part of paper here.

6 CONCLUSIONS AND FUTURE WORKS

Please put conclusions here.

REFERENCES

- [1] J. D. Anderson Jr. *Hypersonic and high-temperature gas dynamics*. American Institute of Aeronautics and Astronautics, 2006.

NOMENCLATURE

Roman symbols

v Velocity, m/s

Greek symbols

β Compression ratio

Non-dimensional numbers

Re Reynolds number

Sub- and super-indices

in Inlet variable