Microsoft Word Template for 23AFMC Extended Abstracts

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1. Introduction

Non-listed papers may be submitted to the 23AFMC as extended abstracts, which must follow the template in Microsoft Word format (this file) or LaTeX format. Microsoft Word users may edit this file directly to prepare extended abstracts for 23AFMC.

Extended abstracts should include an **Introduction**, providing a statement of the problem. The **Introduction** may also contain a brief summary of relevant literature with references to published works. The main body of the extended abstract may contain one or more Sections with properly numbered headings such as '**2. Approach**' and '**3. Results**'. Avoid having subsections in extended abstracts.

Extended abstracts including references should not exceed two A4 pages and should be uploaded as PDF files for review. Include Submission ID in the Paper No shown in the header (*i.e.*, replace '###' with the Submission ID).

2. Formatting Requirements

The title is in a 14-point bold Arial font and in lower case with the first letter of major words capitalised. The names of authors are in a 10-point bold Arial font. The authors' affiliations are also in 10-point Arial font. They include "Department, Institution, City, State, Postcode, Country" and are identified using superscripts. The email of the corresponding author should be given as shown by the example above. Section headings are in bold 12-point Arial font and in lower case with the first letter of major words capitalised. Regular texts are in 12-point Times New Roman font.

References are listed in alphabetical order by first author and formatted as shown for journal articles (Cooley & Tukey 1965), conference proceedings (McCormick 1994), books (Goosens *et al*. 1994) and edited books (Rosenhead 1963) at the end of this template. All papers included in the References section must be cited in the extended abstract, and vice versa.

Figures and tables are centred on the page, and the width of them should not exceed the width of the text. Text in tables and figures should have a minimum size equivalent to font size 10. Colours may be used in figures and tables. Put captions below tables and figures. Figures and tables must be sequentially numbered and are referred to as in "figure 1" and "table 1". Only capitalise the words "figure" and "table" at the start of a sentence. Care should be taken when reducing the size of figures. Make sure that the figure and all text labels in the figure are still legible.

Mesh	No. of cells	C_D	C_L'	St
M1	16,192	1.538	1.034	0.245
M2	64,792	1.546	1.053	0.241
M3	261,600	1.547	1.064	0.239

Table 1. This table and its caption are centred, and its width does not exceed the width of the text. The table caption is in 11-point Times New Roman font.
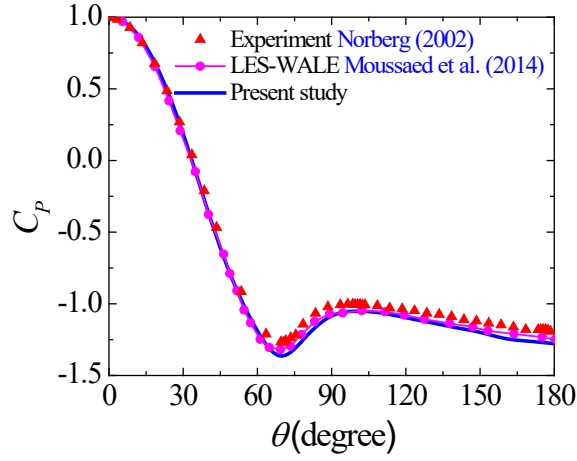
Figure 1. This figure and its caption are centred, and its width does not exceed the width of the text. The figure caption is in 11-point Times New Roman font.

3. Equations

Equations will be centred with a number flush against the right margin as shown below.

$$\frac{\partial \overline{u_i}}{\partial t} + \frac{\partial \overline{u_i u_j}}{\partial x_j} = -\frac{1}{\rho}\frac{\partial \overline{p}}{\partial x_i} + \nu \frac{\partial^2 \overline{u_i}}{\partial x_j \partial x_j} - \frac{\partial \tau_{ij}}{\partial x_j}, \tag{1}$$

$$\frac{\partial \overline{u_i}}{\partial x_i} = 0. \tag{2}$$

The above equations should be referred to as "equation (1)" and "equation (2)" respectively. The word "equation" should only be capitalised at the beginning of a sentence. Care should be taken when splitting equations up over more than one line.

4. Conclusions

Include a brief conclusion section to summarize the major findings of the study.

Acknowledgments

Acknowledgments should appear immediately before the references.

References

Cooley, J.W. & Tukey, J.W. 1965, An Algorithm for the Machine Computation of Complex Fourier Series, *Math. Comp.*,**19**, 297-301.

Goosens, M., Mittlebach, F. & Samarin, A. 1994, *The LaTeX Companion*, Addison-Wesley.

McCormick, S. 1994, Multilevel Projection Methodology, in *Computational Techniques and Applications: CTAC93*, editors D. Stewart, H. Gardner and D. Singleton, World Scientific, 54-57.

Rosenhead, L. (editor) 1963, *Laminar Boundary Layers* Oxford, Clarendon Press.