

Abstract Template of 13th International Conference on Computational Fluid Dynamics in Milan

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1. Introduction

Please use this template to prepare your abstract for ICCFD13. The abstract must not exceed 4 pages, including figures, tables, and references. If you use \LaTeX , compile the document into a **PDF** before submission. If another word processor is used, please match the formatting shown in the provided PDF template. During submission, you must also provide a **plain-text abstract**, without figures or formulas, which (if accepted) will appear on the conference website.

The abstract should summarize the research background, and clearly describe the motivation and objectives of the work. Describe the methods, or models developed or used in your work. Present and discuss the key results of your research.

2. Methodology

You may divide the text into as many sections as needed. Include equations or figures if necessary.

This document allows you to easily include references [1, 2], equations, figures (see Figure 1) or anything else you desire into a clean and compact environment of \LaTeX .

For example, you can write the unsteady heat equation as

$$\frac{\partial \mathbf{V}}{\partial t} - \alpha \left(\frac{\partial^2 \mathbf{V}}{\partial x^2} + \frac{\partial^2 \mathbf{V}}{\partial y^2} + \frac{\partial^2 \mathbf{V}}{\partial z^2} \right) = 0 \quad (1)$$

where x, y, z are the space dimensions and α is a parameter. If you felt inclined you could define \mathbf{V} as

$$\mathbf{V} = y^2 z - \cos(0.1x)$$

for a non-exact solution. Computational fluid dynamics [3] can be used to discretize the equations, apply boundary conditions and simulate the unsteady nature of the flow. An innovative method to simulate the heat equation could even be submitted to ICCFD13.

3. Conclusions

Summarize the main conclusions.

References

[1] J. Doe. *Important book title: A complete work*. ACME, 2012.



Figure 1: This is the logo of ICCFD.

- [2] John Doe and B. Schmit. Novel approach to innovation and synergy. *Int. J. Sci. Tech.*, 54(3):695–706, 2012.
- [3] C. F. D. Expert. CFD for Dummies. AIAA Paper 2010–0000, 2010.