

Paper style and format for the Sixth International Symposium on Turbulence, Heat and Mass Transfer

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Abstract - This document describes the use of the paper style file for the preparation of extended abstracts/short papers¹ and full-length papers for the Sixth International Symposium on Turbulence, Heat and Mass Transfer – THMT'09, to be held in Rome, Italy, on September 14-18, 2009. The manuscripts abstract should not contain more than 150 words.

1. Introduction

All papers that will appear in the Proceedings should strictly adhere to the style and format outlined here. Please note the unified first-page and the rest-pages headings, which must appear in all papers. Please use the templates available and read carefully the instructions.

If you intend to use LaTeX as the word processor, please download the [zip file](#) that has all the necessary styles and instructions. The `thmt-09` style file is the general style file that should be used when submitting a paper in LaTeX format (2.09). This style file is based on 'plain' LaTeX. It can also be processed by LaTeX2ε format, in which the header for LaTeX2ε is used in this document. If you do not use the LaTeX typesetting program, you can use these instructions as general guidelines for your own word processor, as far as layout and font size is concerned.

Note that the layout generated by this style file is based on A4 paper. The chosen font size is 12pt because at a later stage the papers will be reduced to fit in a standard B5 book format. *Do not stretch the page-width or -length in order to squeeze in more words or lines of text.*

A new paragraph (except the first one after the section/subsection heading) should begin with an indent of 3 letter spaces (as shown here). *Do not use space to separate paragraphs.*

In general, you should submit your document as a **PostScript file** or (preferably) **PDF file**.

2. Layout

The font type should be Times Roman, 12pt size. The text width should be 160 mm, with left- and right-hand side margins of 25 mm. The text height is 240 mm, with a bottom margin of 25

¹ Printed book of Proceedings will contain the short papers (4 pages) and the full-length keynote papers (12 pages). The CD-Proceedings will contain all full-length papers (see Section 14 for recommended length). Authors are encouraged to submit the extended abstracts of 2-4 pages using the same templates.

mm. The top margin is 18 mm. The vertical space between the running heads and the body of the text is 9 mm. The running head itself is 3 mm high.

3. Running Heads

Note that the running title on all even pages should be *Turbulence, Heat and Mass Transfer 6* (times New Roman, italic font 11pt). On the odd pages, apart from the first page, you should make your own running head, where you put the name of the author of the paper between the curly braces. If the paper has two authors, you should put the names of both authors between the braces. If the paper has three or more authors, you should put only the name of the first author, followed by *et al.*

4. Paper Title

The paper title is typeset in 20pt font size (see this document). *Do not use the uppercase letters for each word, only the Initial Capital and where it is needed!*

5. Author Names and Affiliations

The author names should be typeset in 14pt font size, whereas the affiliations should be given in 12pt italic font (see this document).

6. Sections and (Sub)Subsections

For the section titles, you should use Initial Capitals for each word (see this document). (Sub)section titles should be typed using an Initial Capital and the rest in lower case (see this document).

The section titles are typeset in 14pt boldface font; the subsection titles are given in 12pt boldface font. The subsubsections and paragraphs are typeset in 12pt italic font. The vertical space between section titles and the body of the text is 2 mm. The vertical space between the body of the text and the next section title is 7 mm.

7. Equations

The equations appearing in your paper should be numbered consecutively. In general, equations should be centered on the page. The equation numbers should be flush right. An equation can and should look like the one provided:

$$\frac{\partial \bar{U}_i}{\partial t} + \frac{\partial (\bar{U}_i \bar{U}_j)}{\partial x_j} = -\frac{1}{\rho} \frac{\partial \bar{p}^*}{\partial x_i} + \frac{\partial}{\partial x_j} \left[(v + v_m) \left(\frac{\partial \bar{U}_i}{\partial x_j} \right) \right] \quad (12)$$

It is recommended to put the equations into a table (with no visible frame) as shown.

8. Figures and Tables

8.1. Figures

All figures, graphs and line drawings should be clear and sharp and of high quality. All figures/photographs should be numbered consecutively and captioned. The caption should be

11 pt, and upper and lower case letters, and flushed left under the figure. Colour figures are not allowed for the printed book of Proceedings. For the CD Proceedings the authors are encouraged to provide colour images. An example of a figure is:

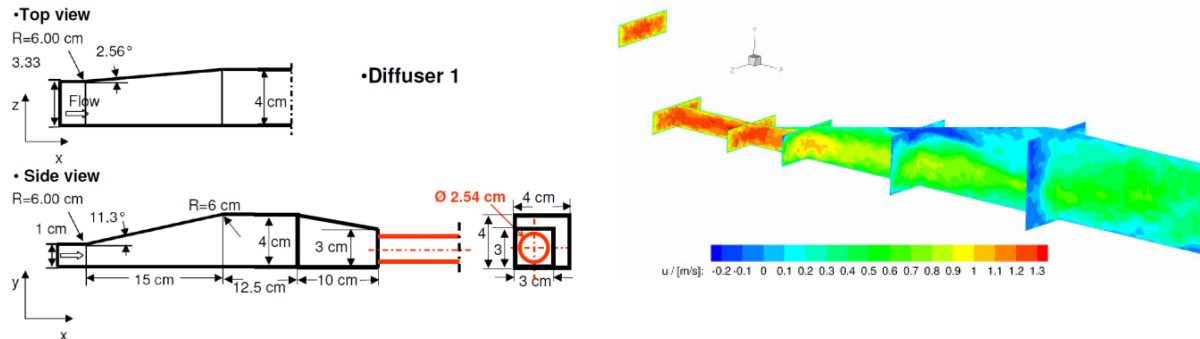


Figure 1: Geometry of the diffuser considered, Cherry et al., 2008 (left) and the instantaneous velocity field obtained by LES (right)

Similar to the equations, it is recommended to put figures into a table (with no visible frame).

8.2. Tables

A table can and should look like the one provided:

Table 1: Caption text.

Description 1	Description 2	Description 3
Row 1, Col 1	Row 1, Col 2	Row 1, Col 3
Row 2, Col 1	Row 2, Col 2	Row 2, Col 3

9. Acknowledgements

Acknowledgements can be given in a separate section after the conclusions but before the list of references. It is declared as a numberless section.

10. Appendices

An Appendix can be given in a separate section after the main text. It should be done in the form of a Roman numbered Appendix section.

11. Referencing

The sample references are given at the end of this document. Please note that there is no extra vertical space between consecutive items. Within the text, references should be cited by giving the last name of the author(s) and the year of publication of the reference. The year should always be enclosed in parentheses; whether or not the name of the author(s) should be enclosed within the parentheses depends on the context. The two possibilities are illustrated below:

It was shown by Hattori et al. (2001) that the free stream turbulence influences strongly the combined-convective boundary layer along the vertical heated plate.

or

It has been shown that the free stream turbulence influences strongly the combined-convective boundary layer along the vertical heated plate (Hattori et al., 2001).

References can also be numbered within the text. In that case Arabic numerals in square brackets should be used, e.g. [2].

12. Paper Length

There will be two types of Proceedings: the printed book of Proceedings containing only short papers (maximum length is 4 pages) and the full-length keynote papers (maximum length is 12 pages), and the CD-Proceedings containing all full-length papers. Both Proceedings will be handed out to the participants upon arrival to the Symposium. For the CD-Proceedings, the recommended length of contributing papers is 12 pages and for keynote lectures 18 pages. For the CD Proceedings the authors are encouraged to provide colour images.

13. Paper Submission

The authors of accepted contributions are invited to submit both the short papers and the full-length papers (**deadline May 31, 2009**) in PostScript or (preferably) PDF format to thmt-09@thmt-09.org. The cover letter should include the name, address, phone, fax, and email of the corresponding author. Manuscripts should be prepared in accordance with the Instructions to Authors.

In the case of larger files (more than 10 Mbytes), please send a short notice by e-mail in advance.

14. Journal Special Issues

Selected papers will be published in special issues of international journals (Flow Turbulence and Combustion and Int. Journal for Heat and Fluid Flow).

15. Information

If you encounter problems, please contact the Organizing Secretary:

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URL: <http://www.ichmt.org> (under future ICHMT meetings) or directly
<http://www.thmt-09.org>

References

1. E.M. Cherry, C.J. Elkins and J.K. Eaton. Geometric sensitivity of three-dimensional separated flows. *Int. J. of Heat and Fluid Flow*, 29: 803-811, 2008

2. Y. Hattori, T. Tsuji, Y. Nagano and N. Tanaka. Effects of freestream on turbulent combined-convection boundary layer along a vertical heated plate. *Int. J. Heat and Fluid Flow*, 22: 315-322, 2001.
3. H. Pascal, S. Jakirlic and K. Hanjalic. DNS and RANS-Modelling of in-cylinder turbulence subjected to axial compression. In *Third International Symposium on Turbulence, Heat and Mass Transfer (Edited by Y. Nagano, K. Hanjalic and T. Tsuji)*, pp. 479- 486, 2000.
4. K. Hanjalic and S. Jakirlic. Second-moment turbulence closure modelling. In *Closure Strategies for Turbulent and Transitional Flows (Edited by B.E. Launder and N. Sandham)*, pp. 47-101, Cambridge University Press, 2002.