



HOW TO PREPARE A MANUSCRIPT FOR THE CMFF'22 CONFERENCE (STYLE "TITLE OF PAPER")

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ABSTRACT (STYLE: ABSTRACT TITLE)

An abstract of no longer than 200 words is to be included in the manuscript at this position, using the Style "Normal", stating the aim of the paper, the methodology applied and the conclusions drawn. The abstract is the summary of the paper. It must be understandable for a general fluids engineer. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words. This is the body of the abstract, up to 200 words.

Keywords (Style "Keywords"): Max. 6 keywords and/or phrases are to be specified in alphabetic order of the first word in the phrase. For example: axial flow turbomachinery, blade sweep, CFD, LDA, PIV, stall margin

NOMENCLATURE (TITLE: HEADING 1)

The Nomenclature is to be included at this position, using and appropriately formatting the Style "Nomenclature". The symbols are to be arranged in alphabetic order, together with the units, in the following sequence: Latin capital letters, Latin lowercase letters, Greek symbols, other symbols. Symbols for physical quantities and symbols for units (e.g. *m*) should be in italic (sloping) type, also if used as indices. Mathematical operators and constants (e.g. \cos , π) should be in roman (upright) type. Vectors should be indicated with a single

underline (e.g. *a*). Matrices should be indicated with double underline (e.g. *A*).

Such format instructions are to be consequently applied in the Nomenclature, in the body of the text, and in the equations. A separate section of Subscripts and Superscripts is to be included if necessary. Insert first Subscripts and then Superscripts. Subscripts and Superscripts as well as indices must appear as italic characters if they are related to the symbol of a physical quantity (e.g. *p* for C_p , or *x*, *y*, *s* in the examples below) and must appear as roman (upright) symbols in other cases (e.g. *t* for p_t abbreviating the word "total", or *L* abbreviating the word "lift").

Examples:

C_p	[-]	static pressure coefficient
F	[N]	force
c	[-]	force coefficient
p_t	[Pa]	total pressure
\underline{v}	[m/s]	absolute velocity vector

Subscripts and Superscripts

inlet	at the inlet of the test section
L, D	lift, drag
PS, SS	pressure side, suction side
<i>x</i> , <i>y</i> , <i>s</i>	axial (along the wind tunnel axis), transversal, spanwise (coordinate)
\wedge	chordwise averaged
—	temporal mean

1. INTRODUCTION (TITLE: HEADING 1)

The first chapter for a technical paper must be an Introduction.

General comments are given herein for the paper format.

The authors are requested to use this template file for preparation of the manuscript, for A4 paper size with margins of 25 mm. Please do not modify the format, in order to guarantee a uniform

appearance of papers in the Conference Proceedings. Do not include page numbers. In the case of any questions regarding the paper format, please consult with the Conference Secretariat.

The body of the paper is to be organised into logical sections, sequentially numbered with no more than two grades of subheadings. The body of the paper is to be written using the Style “Normal”.

Explain acronyms at their first appearance in the paper. Example: Computational Fluid Dynamics (CFD). Later on, you can refer to this phrase as CFD. The Keywords list is an exception. You can insert acronyms in the Keywords list if they are generally known for a fluids engineer.

1.1. This is Heading 2: Language

The language of the paper is English, and the preferred spellings are British English.

1.2. Length and Style

The maximum length of the paper is confined to 8 pages.

Papers should be written in the third person in an objective, formal and impersonal style.

1.3. Units

SI units should be used wherever possible.

1.4. Authors' List

For the corresponding author, the name of institution, full postal address, telephone number, and the email address are to be specified, as shown in the example at the beginning of the paper. The corresponding author is indicated by superscript „1”. For the further authors, it is sufficient to specify the name of institution and the email address.

1.5. Submission of Manuscript

After preparation of the paper on the basis of this template file, a pdf file is to be generated from the manuscript. The only acceptable way of manuscript submission is online submission in MS Word or LaTeX format including a pdf version. After generation of the pdf file, the authors must check the structural integrity of the manuscript (i.e. whether the paragraphs remained in a structure as formatted originally in the CMFF template files). By printing a hard-copy, the appropriateness of paper format is also to be checked (e.g. whether the styles have been retained after generation of the pdf file, and whether all of the characters, symbols and figures appear properly in the paper). Authors are solely responsible for the format of their paper since no subsequent editing of the manuscripts is undertaken by the Conference Organisers. Final papers not fulfilling the format requirements may be excluded from the publication process.

The papers must be submitted online, using the Easy Chair application at <https://www.easychair.org/conferences/?conf=cmff22>.

In their correspondence with the Conference Organisers, authors are requested to use the ID Number of their abstract in order to make easy identification possible. The proper receipt of the manuscript will be acknowledged by the Conference Organisers.

The deadline for submission of the draft manuscripts is 20 February 2022. Delayed submission threatens the appropriateness of the review process and may lead to exclusion of the paper from the publication process.

Your paper will be subjected to peer review. In the case of English language of inadequate quality, the Organisers request the authors for revision of the paper on the basis of proof-reading arranged by the authors. Please do not forget spell-checking.

Once a paper has been accepted for conference publication, the authors will be requested for Copyright Transfer.

1.6. Publication

Once a manuscript has been submitted, it is considered that at least one of the authors pays the Registration Fee and one author presents the paper at the Conference.

If one author has paid the Registration Fee, he/she is entitled to have max. two papers included in the Proceedings. Therefore, authors appearing more than twice in the lists of authors must take care that any of their co-authors have also paid the Registration Fee, in order make possible the publication of the paper.

2. FIGURES

Figures are to be inserted into the body of the text in the columns by such means that their maximum width is equal to the width of the column, i.e. 74 mm. They are recommended to be adjusted to full column width. The settings of style “Figure”, to be used for the figures, ensure that blank lines of 12 pt are left above the upper edge of the figure as well as between the lower edge of the figure and the figure caption.

The settings of style “Legend of figure” ensure that a blank line of 12 pt is left between the figure caption and the body of the text. The figures are to be numbered consecutively, and they must be referred to in the body of the text with use of the figure numbers. In the figure caption, “Figure...” must appear, with a dot, as shown in the example. In the body of the text, “Figure...” is to be applied at the first appearance of reference to the figure. Later on, this reference is to be abbreviated as “Fig.”. In the case of referring to more figures, expressions e.g. “Figures 1 to 3” and later on, “Figs. 1 to 3” are to be used.

An example for a figure is as follows:

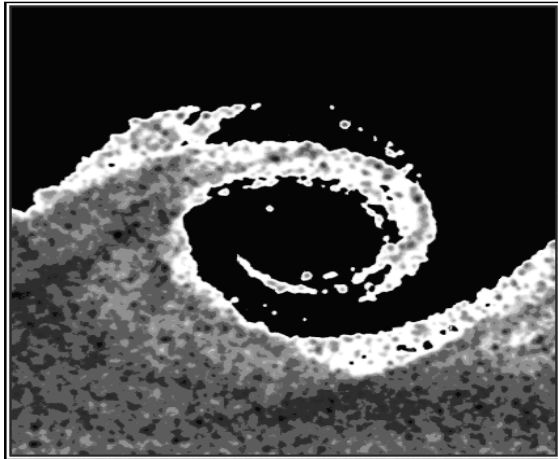


Figure 1. Vortical phenomenon (Style “Legend of figure”)

Coloured figures are acceptable for the e-Proceedings. However, they are recommended to be avoided, thus providing a grayscale printable version of the paper for the review, and reading process. It is the Author’s responsibility to decide whether a given figure is more informative in coloured or in grayscale form.

The authors must ensure that the symbols and characters applied in the figures are sufficiently large and the lines applied for line drawings are sufficiently thick to guarantee acceptable visibility. Final papers containing figures of bad visibility may be excluded from the publication process.

The format of the paper, also regarding the quality of the figures, will be checked during the peer review process. If necessary, authors will be notified for improvement of figure quality for the final manuscript.

3. EQUATIONS

Equations, together with their serial number, are to be edited with use of the table format specified in the examples below.

One blank line in Style “Normal” is to be left above and below each equation.

Equation	(Nr.)
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The equations are to be numbered consecutively, and they must be referred to in the body of the text with use of the equation numbers. In the body of the text, the abbreviated form of e.g. “Eq. (22)” is to be applied. When referring to more equations, the abbreviated form of e.g. “Eqs. (1) to (3)” is to be used.

$$c_{L,D} = \frac{dF_{L,D}}{ds \ell (\rho/2) v_{ref}^2} \quad (22)$$

An example for insertion of an equation is given above.

4. TABLES

The tables are to be numbered consecutively, and to be equipped with captions using the Style “Legend of table”. They must be referred to in the body of the text with use of the table numbers.

One blank line in Style “Normal” is to be left below each table. The Style “Legend of table” ensures appropriate distances between the body of the text, the figure caption, and the table.

The maximum width of the table is equal to the width of the column, i.e. 74 mm. It is recommended to adjust the tables to full column width.

Table 1. Style of title: Legend of table

In the table caption, e.g. “Table 1.” must appear, with a dot, as shown in the example above. In the body of the text, when referring to the table, e.g. “Table 1” is to be used, without a dot. When referring to more tables simultaneously, the form of e.g. “Tables (1) to (3)” is to be used.

5. SUMMARY (OR: CONCLUSIONS...)

It is compulsory to summarise the results discussed in the paper.

ACKNOWLEDGEMENTS

If relevant. No numbering in the title (of Style “Heading 1”) is applied. Example:

This work has been supported by the Hungarian National Research, Development and Innovation Centre under contract No. K 112277.

APPENDICES (E.G. APPENDIX A ETC.)

If relevant. Title style: “Heading 1”.

REFERENCES

No numbering in the title (of Style “Heading 1”) is applied.

References must be included at the end of the paper, in the order to which they have been referred in the text. Examples for the format of references in the body of the paper: [1] or [1, 2] or [1-9]. (The latter is to be used when simultaneously more than two references are referred to.) Names of the authors of a reference can be emphasized in the body of the text if necessary. For example: “Recently, Corsini et al. [12]...”.

Examples for format of references in the reference list, using the basic format of the Style “References”, are as follows.

- [1] Beiler, M. G., and Carolus, T.H., 1999, “Computation and Measurement of the Flow in Axial Flow Fans with Skewed Blades”, *ASME J Turbomachinery*, Vol. 121, pp. 59-66.
- [2] Yamaguchi, N., Tominaga, T., Hattori, S., and Mitsuhashi, T., 1991, “Secondary-Loss Reduction by Forward-Skewing of Axial Compressor Rotor Blading”, *Proc. Yokohama International Gas Turbine Congress*, Yokohama, Japan, pp. II.61 - II.68.
- [3] Kuhn, K., 2000, “Experimentelle Untersuchung einer Axialpumpe und Rohrturbine mit gepfeilten Schaufeln”, *Dissertation Technische Universität Graz, Institut für Hydraulische Strömungsmaschinen*.
- [4] Lakshminarayana, B., 1996, *Fluid Dynamics and Heat Transfer of Turbomachinery*, John Wiley & Sons, Inc.
- [5] Spalart, P., and Allmaras, S., 1992, “A One-Equation Turbulence Model for Aerodynamic Flows”, *Technical Report AIAA-92-0439*.
- [6] Vad, J., and Bencze, F., 1998, “Three-Dimensional Flow in Axial Flow Fans of Non-Free Vortex Design”, *Int J Heat Fluid Flow*, Vol. 19, pp. 601-607.