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Abstract

[Here begins the body of the abstract.]

Please write your abstract here. In the next pages of this document, you will find detailed instructions of how to prepare the abstract for the BICTAM-CISM Symposium on “Dispersed Multiphase Flows: from Measuring to Modeling”. The abstract will be published as Symposium proceedings in electronic form. The abstract including figures, tables, and references should not be longer than 1 page. The abstracts will be uploaded in Portable Document Format (PDF). The authors are responsible for converting their abstract to PDF. Abstracts that do not meet the formal requirements listed in the instructions or contain inappropriate content will not be uploaded. Abstracts that meet the formal requirements listed in the instructions will be uploaded without any changes. If you are not clear about any of the instructions or would like to get further information on formatting, please contact the Symposium chairman at [marchioli@uniud.it](mailto:marchioli@uniud.it).

[Here ends the body of the abstract.]

*Keywords: BICTAM-CISM Symposium, instructions, formatting, abstract*

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\*Footnotes may be used to indicate research grant, sponsoring agency, etc. These should not be numbered but referred to by symbols, e.g. \*,+. The footnote text may be produced in a small font.

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**Instructions for the preparation of a camera-ready abstract**

## 1. Introduction

This document provides the instructions to write an abstract for the BICTAM-CISM Symposium on “Dispersed Multiphase Flows: from Measuring to Modeling”. The abstract is expected to be written in grammatically correct and easily readable English. Authors who are not proficient in English are kindly advised to take the help of a linguist before typing. The abstract should be thoroughly checked for spelling mistakes. Please, use this  $\LaTeX$  2<sub>ε</sub> bundle for compilation of the document.

## 2. Format

The abstract must be written on paper size A4 (21.0 cm/29.7 cm). Text should be produced within the following dimensions: single column with total width 17.0 cm and maximum length 23.5 cm. Margins must be equal on both sides and equal on the top and bottom. The usual text must be written with letter size 9 pt and single spacing. Unless stated otherwise, the font used must be Times Roman. The words figure, reference and equation have to be abbreviated as Fig. 1, Eqn (2) and Ref. [3], unless they appear as the first word of a sentence. In this case they should be typed in full as Figure 1, Equation (2) and Reference [3]. When a problem is studied in a number of references, one can also refer to them by recalling [1,2,3]. Please be consistent in the use of punctuation, figures, capital letters and abbreviations, and in nomenclature and symbols. The author should take much care to make the paper most communicative, clearly demonstrating the novelty of their idea, by making effective use of the space available.

### 2.1. Title

The title should be written in 12 pt boldface letters and centered. It begins 3.5 cm below the upper edge of the sheet. The title should be short and adequately reflect the paper contents. If a title is longer than 1 line, the title lines should be in single spacing.

### 2.2. Author

The author’s name should include name, middle initials (if any) and surname. The name(s) should be centered and 9 pt boldface letters should be used. The single space should be between the title’s last text line and the first text line of the author’s name.

### 2.3. Affiliation

The author’s affiliation should be written in 9 pt italic letters and centered. In case of many affiliations they may be numbered consecutively.

### 2.4. Abstract

The abstract (max. 10 lines) and keyword section should have horizontal lines at the top and at the bottom.

### 2.5. Keywords

Keywords should be written in 9 pt italic letters.

### 2.6. Headings of sections

The headings should be written left aligned. The main headings should be written in 9 pt boldface letters and the secondary headings in 9 pt italic letters.

### 2.7. Spacing

We recommend the use of single line spacing. However, when typing complicated mathematical text the space between text lines may be increased to prevent sub- and super-script fonts overlapping one another and making your printed matter illegible. If you are using a desktop publishing program make sure that your auto-adjust for interline spacing is suitably set to prevent overlapping but without leaving too much space.

## 3. Figures and tables

Figures can be included provided that the abstract does not exceed the 1-page limit. Figures should be arranged below the text, should have a self-contained caption and should be positioned in flush-left alignment with the text margin. All figures should be clearly displayed by leaving at least single line of spacing above and below them. When placing a figure at the top of a page, the top of the figure should be at the same level as the bottom of the first text line of other column.

All notations and lettering should be no less than 2 mm high. The use of heavy black, bold lettering should be avoided, as this will look unpleasantly dark when printed. The name of a figure should appear below it. All figures must be numbered sequentially starting with number 1, e.g. Figure 1: Plot of a beam eigenfunction  $u = u(x)$ . Please ensure that all spelling and annotations (numbers, letters, symbols and captions) conform to their usage in the text. Colour figures cannot be included in their original form and will be reproduced in black and white.

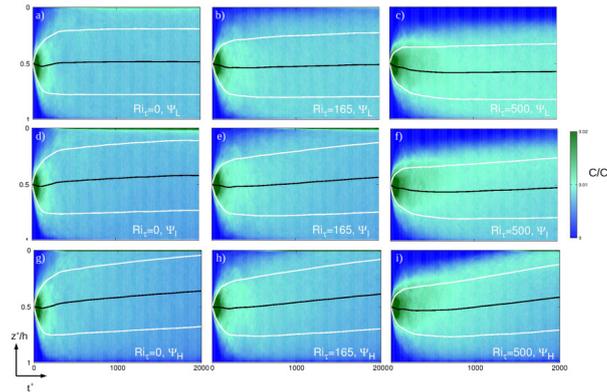


Figure 1: Figure caption.

Tables should not be included, unless really needed. In this case, tables should be presented in the form shown in Table 1. Their layout should be consistent throughout. If tables do not fit into one column they may be placed across both columns in which case they should be placed at the top or at the bottom of a page. Horizontal lines should be placed above and below table headings, above the subheadings and at the top of the table above any notes. Vertical lines should be avoided. The name of a table should appear above it. Captions should be numbered sequentially starting from 1, i.e. Table 1: Numerical results.

Table 1: Comparison of analytical and numerical results

	Settling Velocity		Deposition Coefficient	
	Numerical	Analytical	Numerical	Analytical
Case A	0.101	0.100	2.26E-4	2.20E-4
Case B	0.202	0.200	1.13E-3	1.15E-3
Case C	0.403	0.400	5.66E-2	5.75D-2

#### 4. Equations

Equations should be placed flush-left with the text margin and should be preceded and followed by a 3 pt vertical space.

$$Ax^2 + Bx + C = 0 \tag{1}$$

If the formulae are numbered, make sure that they are numbered consecutively. Place the numbers in parentheses flush with the right-hand margin of the column and level with the last line of the equation. Please ensure that subscripts and superscripts are clearly legible. The meaning of the variables used should be given or clear from the context.

#### 5. Page numbers

Please do not number the page of the abstract. Page numbers will be numbered consecutively later by the editors.

#### References

[1] Moran, B., Hoover, W.G. and Bestiale, S., Diffusion in a periodic Lorentz gas, *J. Stat. Phys.*, 48, pp. 709-726, 1987.

[2] Marchioli, C., and Soldati, A., Reynolds number scaling of particle preferential concentration in turbulent channel flow, *Proceedings of the 6th International Conference on Multiphase Flow*, Sommerfeld M. Ed., Martin-Luther Universitat, Halle-Wittenberg, Vol. 1, pp. 1-6, 2007.

[3] Batchelor, G.K., *An Introduction to Fluid Dynamics*, first ed., Cambridge Mathematical Library, Cambridge, 1967.

The references given above are examples of the following types: 1) paper in a journal, 2) paper in a conference proceedings, 3) book. References should be collected at the end of your paper in alphabetical order according to the numeric sequential system. Each item in the list of references should be referred to in the text and quoted with numbers enclosed in brackets [1], [2], [3]. The references should be set in the following order: author’s surname, initials, title, publication, volume, page range, year.