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# TYPING INSTRUCTIONS FOR CAMERA-READY MANUSCRIPT

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## ABSTRACT

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These instructions show how to format the paper in its final full length. Authors are requested to refer to this sample, for the paper size and margins, title, authors, affiliations, abstract, nomenclature (if needed), headings, etc. Times New Roman fonts are required. Line spacing should appear as in this Paper Sample. The paper must be written in English language and should not exceed 6 pages. Papers must be sent as a “*pdf*” file, using the Conference web site, strictly before 31 March 2009.

Please, consider that the overall quality of the book will strongly depend on how all these requirements are fulfilled. Hence, be sure that your paper is written according to the herein prescribed style.

Contributions will only be included in the ECOTRIB 2009 proceedings and accepted for presentation at the conference if at least one of the authors of each accepted abstract is registered before 31st of March, 2009. Each author registration can cover a maximum of 2 papers.

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**Keywords:** keyword 1, keyword 2 [, keyword 3] [, keyword 4] [, keyword 5]

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## NOMENCLATURE

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$a$  length of axial lands

$a'$  =  $a/L$

$C$  radial clearance

.....

.....

$Re_h$  =  $(\rho/\mu)(D/2)h\Omega$  Reynolds number

$\lambda$  =  $L/D$

$\mu$  lubricant viscosity

.....

.....

$\Omega$  = rotational speed of journal

## INTRODUCTION

The proceedings of the *Ecotrib 2009* European Conference on Tribology (Pisa, June 7-10 2009) will be published as a book (black and white) with a CD-ROM included. Papers accepted for publication must be sent in electronic format, using the Conference web site <http://ecotrib2009.ing.unipi.it>, strictly before 31 March 2009. Papers sent after this deadline will not be included in the conference proceedings.

The best papers presented at the Conference will be selected for publication of extended versions in special issues of peer-reviewed international journals.

Papers must be written in English language and the total length should not exceed 6 pages (please avoid to have an odd number of pages).

Documents will be accepted only in “.pdf” format (portable document format) and must be lighter than 3 MByte. To avoid compatibility problems the authors should take care to embed in the document (as a subset) all the fonts used and to ensure compatibility with the PDF version 1.5 (Acrobat 6) or earlier. Since files will be edited to add page numbers, they must be free from any kind of password security. Please check the readability of the final paper on different computers and with different readers.

Files must be named with the surname of the first author, such as *gulliver.pdf*. If there is more than one paper with the same first author, add a progressive number: *gulliver\_1.pdf*, *gulliver\_2.pdf*, ...

The following instructions show how to format the paper in its final full length. The present paper is itself written in the required style and may be used as a template.

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## DOCUMENT LAYOUT

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Use A4 (210x297 mm) as paper size, leaving a 25 mm margin on all sides. All text must be written using a single-spaced 12-points *Times New Roman* font, except for greek characters and additional symbols. For enhanced text use *italicized characters* (avoid bold or underlining).

Start the paper with the title (16 points, capital letters, bold, centered) preceded by two blank lines; after three blank lines list the authors and, after a further blank line, list the affiliation of each author as shown above. Leave three lines and type the Abstract, following with one blank line and a list of keywords.

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### Headings

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Use one or two structure levels. First level headings (including Introduction, Nomenclature list, Reference list) are written in bold capital letters; they are centered, preceded by two blank lines and followed by one. Minor headings (in bold characters) are flush with the left-hand margin, preceded and followed by a blank line.

### Symbols and equations

Equations have to be centered in the page. Equation numbers should be displayed consecutively, enclosed in parentheses and flush with the right-hand margin.

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$$\frac{\partial}{\partial x} \left( G_x h^3 \frac{\partial p}{\partial x} \right) + \frac{\partial}{\partial z} \left( G_z h^3 \frac{\partial p}{\partial z} \right) = \frac{D\Omega\mu}{4} \frac{\partial h}{\partial x} \quad (1)$$

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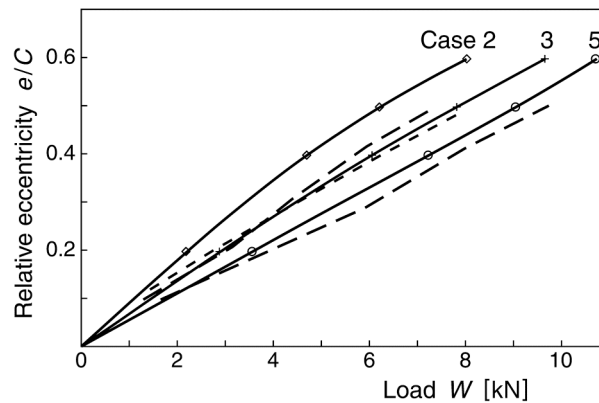
Leave a blank line before and after the equation.

Symbols are written in italics, except for digits:  $\Gamma$ ,  $u_x$ ,  $\beta^2$ ,  $q_1$ ,  $M_{ij}$ . This does not apply to vectors, tensors and arrays that are usually typed using bold characters:  $\mathbf{u}$ ,  $\boldsymbol{\tau}$ ,  $\mathbf{M}$ . Check carefully that the nomenclature list is in alphabetical order, also for greek symbols ( $\alpha \beta \gamma \delta \epsilon \zeta \eta \theta \iota \kappa \lambda \mu \nu \xi \omicron \pi \rho \sigma \tau \upsilon \phi \chi \psi \omega$ ).

## Figures and tables

Tables, figures, graphs and photographs have to be centered in the page. All kind of figures should be in black and white and of good quality. For plots and drawings use preferably *eps* (vectorial) rather than bitmap images.

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Fig. 1: Figure and caption.

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Color is allowed and will remain in the digital (CDROM) proceedings, however papers will be printed in black and white. Please ensure that color illustrations will reproduce clearly in grey scale and avoid in the text statements as “the red line shows ...”.

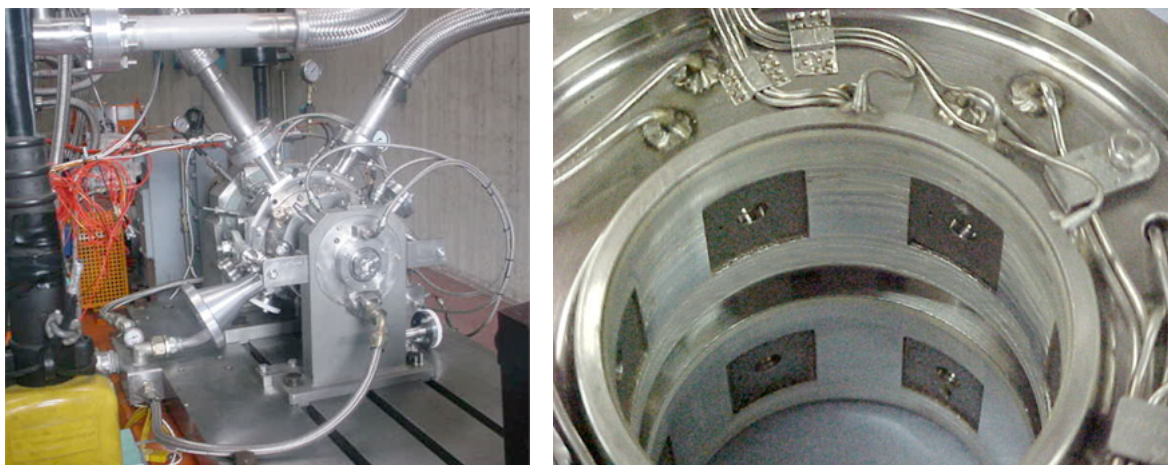


Fig. 2: Pictures.

Every figure must be numbered and must have a caption. Leave two blank lines before each figure and after the relevant caption. A blank line separates figure and caption. All above also applies to tables.

Case:	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
Speed [krpm]	10.2	10.2	17.4	24.6	24.6
Supply pressure [MPa]	4.133	6.877	6.846	4.135	6.844
Clearance [ $\mu\text{m}$ ]	122.8	124.9	122.7	119.4	117.1
Orifice parameter $\kappa_0$	0.0201	0.0140	0.0162	0.0283	0.0208

Table 1: Test results.

## References

References should be quoted in the text with a number in square brackets, for example [1] and [2]. References should be numbered according to the order cited in the manuscript. Sample references for literature of different kinds (books, journal articles, conference proceedings, reports, internet articles) are given at the end of this paper.

## FORMATTING STYLES

Let us summarize the main paragraph styles:

- *Body text*: font “Times New Roman”, 12 pt, single spacing (slightly less than 14 pt), justified on both sides; please avoid “orphan” lines;
- *Title of the paper*: all capital letters, 16 pt, bold, centered.
- *Main headings*: all capital letters, 12 pt, bold, centered; leave two lines before and one line after.
- *Minor headings*: 12 pt, bold, flush left; leave one line before and after.
- *Centered*: as body text, but centered. Use for authors, author affiliation, captions.

## REFERENCES

- [1] Dowson D., Higginson G.R., *Elasto-Hydrodynamic Lubrication, the Fundamentals of Roller and Gear Lubrication*, Pergamon Press, Oxford, UK, 1966.
- [2] Reynolds O., *On the Theory of Lubrication and Its Application to Mr. Beauchamp Tower Experiments, Including an Experimental Determination of the Viscosity of Olive Oil*, Philos. Trans. R. Soc., 177 (1886), 157-234.
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- [4] DuBois G.B., Ocvirk F.W., *Analytical Derivation and Experimental Evaluation of Short Bearing Approximation for full Journal Bearings*, NACA Rep. 1157 (1953).
- [5] Karkanis, S.A., Magoulas, G.D., and Karras, D.A., *Neural Network based textural labeling of images in multimedia applications*, <http://citeseer.nj.nec.com/548073.html>.