

Authors' Instructions for Preparation of the Extended Abstract Contributions for the ECCOMAS Multibody Dynamics 2017

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Abstract

This document presents basic instructions for preparation of your Extended Abstract contribution for the ECCOMAS Thematic Conference on Multibody Dynamics 2017 using L^AT_EX2e. On the Conference website <http://multibody2017.cz> you will find the necessary files. You can use this document as a template for your contribution.

Contribution for Extended Abstract should be written in English and it is strictly limited to two pages with A4 size. It should contain, beside the list of the authors, their organizations with addresses and e-mails. In case of joint authorship, the name of the speaker who will present the paper at the conference should be underlined. The reference marks can be omitted if all authors are from the same affiliation.

Submission of Extended Abstract contributions will be done exclusively through the Conference Management System at <https://www.conftool.com/multibody2017>. In order to make a submission, first you have to register in the Conference Management System. The only file to be submitted is a PDF¹ of your Extended Abstract contribution (like camera ready) so it is vital that it visually corresponds to the given style, same as for this article. Size of your PDF file is limited to 5 MB. For the full compliance of your contribution with the style of Book of Abstracts you can use this file as a template with defined styles (for title, author list, paragraph and so on). Print area for your contribution is 170 mm × 237 mm at A4 paper size. The text should be justified and should occupy full line width. Font of the manuscript should be the standard L^AT_EXfont and for the body of the text use 10 pt size with single line spacing. Bold type and underlining should be avoided. Following the style defined by this document font sizes and styles are given in Table 1. For e-mail address remove hyperlinks (underlining). Headers and footers defined by this template are empty because it will be included during the process of final layout of the Book of Abstracts. Also please mark the author presenting the contribution at the conference by underlining his/her name in the author list.

Tables should be included using the same style as shown in Table 1. The contents of the table should be explained in its header.

Table 1: Font sizes and styles.

<i>style element</i>	<i>Example</i>	<i>size and style</i>
normal text	normal text	\normalsize, 10pt
title	Title	\bf\Large, size 14pt
list of authors	<u>Firstname Lastname</u>	\large, size 12pt
list of authors' institutions	Organization	\small, size 9pt
headings (only 1 level)	Abstract, References	\bf\large, size 12pt
caption	Figure caption	\small, size 9pt
list of reference	[1] B. Etkin and L.D. Raid. . .	\normalsize, size 10pt

Line drawings, if in raster format, should have a resolution of at least 600 dpi. Vector images are preferred. Figures should be numbered and should have a caption preferably positioned under the figures, in contrast to the caption belonging to a table, which should appear above the table. In this case, please center the figures or your tabular material as well as captions. Alternatively, in order to make more efficient layout, captions can be placed on the side. It is also possible to put figures (or figures and tables) side-by-side. In order to ensure a reasonable quality of the reproduction of your illustrations we do not advise usage of shading. The contrast between the elements of the illustration should be as pronounced as possible. If program screen-shots are necessary, please make sure that you are happy with the print quality before you send the files. Illustrations for the printed Book of Abstracts should

¹It will be produced by the [dvipdfm -p a4 filename.dvi] command.

be black and white (greyscale) since Book of Abstract will not be printed in color. If you use colored figures please make sure that they are legible in black and white. Some colors as well as the contrast of converted colors show up very poorly when printed in black and white.

Figures and graphs must be included using the same style as shown in Figure 1. The contents of the Figure should be explained in its caption.

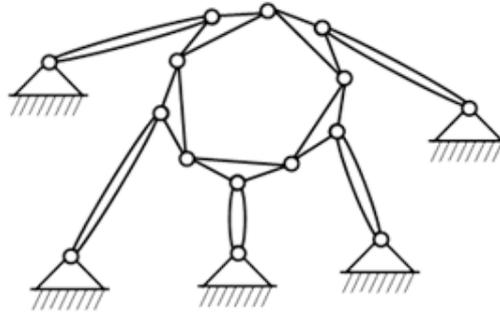


Figure 1: Example figure; presenting a scheme of benchmark [3].

Equations or formulas should be centered and set in a separate line with extra space above and below and should be numbered for reference. The equation numbers should be consecutive within your contribution and should be written in parentheses on the right margin, like for example equation (1)

$$\begin{bmatrix} \mathbf{M} & \mathbf{\Phi}^T \\ \mathbf{\Phi} & \mathbf{0} \end{bmatrix} \begin{bmatrix} \ddot{\mathbf{s}} \\ -\boldsymbol{\lambda} \end{bmatrix} = \begin{bmatrix} \mathbf{p}_1 \\ \mathbf{p}_2 \end{bmatrix}. \quad (1)$$

Reference entries should be printed in order of citation. Each reference can be cited in the body of the abstract with its list number in the square brackets, like for example [1] or [2]. Examples are given at the end of this article to present the general style for references.

Acknowledgments

For Acknowledgments the heading should be treated as a section heading and should not be assigned a number.

References

- [1] O. A. Bauchau. Flexible multibody dynamics. Springer, Dordrecht, 2011.
- [2] W. Schiehlen. Multibody system dynamics: Roots and perspectives. *Multibody System Dynamics*, 1:149-188, 1997.
- [3] A. Author. Numerical solution of multibody dynamical systems in interaction with fluid. In E. Editor and C. Coeditor, editors, *Proceedings of the International Symposium on Computational Mechanics*, pages 215-217. University of Mechanics, City, 2016.