

Instructions for preparing a full paper for the ECCOMAS Thematic Conference on Multibody Dynamics 2015

Name1 A. Surname1*, Name2 B. Surname2[#], Name3 C. Surname3[†], Name4 D. Surname4[†]

* Faculty of Mechanical Engineering
University of Technology
Address, Postcode City, Country
email1@address

[#] Institute for Mechatronics
University of Technology
Address, Postcode City, Country
email2@address

[†]Institute of Mechanics
University of Technology
Address, Postcode City, Country
[email3, email4]@address

ABSTRACT

The paper should be formatted according to the style guidelines presented in this template. The title of the paper should be typed in 14pt bold font and centred. Author names should be typed in 11pt bold font. In addition, the name of the presenting author should be underlined. Affiliations should be typed in general formatting style, centred within a corresponding bounding box. The reference marks can be omitted if all authors are from the same affiliation. The abstract part of the final paper should be formatted as one paragraph not longer than 250 words and it should fit to the title page. The abstract begins with the “ABSTRACT” header typed in bold 11pt. A maximum of 5 keywords have to be added after the abstract.

Keywords: Keyword 1, Keyword 2, Keyword 3, Keyword 4, Keyword 5.

1 INTRODUCTION

All text should be written in Times New Roman font. General text should be justified and divided into logical paragraphs separated by 6pt spaces. All section headers except abstract and references header should be numbered using Arabic numbers. The headers are separated from the last preceding paragraph by 18pt space and the following text by 6pt space. Section headers should be typed in bold capital characters.

Subsections should be numbered using multilevel numbering. A maximum of two sublevels is allowed. The subsection headers are separated from the last preceding paragraph by 12pt space and the following text by 6pt space, they should be typed in bold characters. A font size of 11pt should be used if not specified otherwise.

2 GENERAL INSTRUCTIONS

The paper must be written in English. The total length of the paper may not exceed 12 pages. The template margins must be followed. The paper used should have the size 210 x 297 mm, which is the European A4 size. It is suggested to use styles for formatting, automatic reference and figure numbering to avoid editorial errors. To avoid compatibility problems it is advised to use only the Latin alphabet and underscore character in the file name.

2.1 Equations

Equations must be numbered consecutively using right flushed Arabic numbers in brackets as shown in Equation (1)

$$\mathbf{M}\ddot{\mathbf{q}} + \mathbf{\Phi}_q^T \alpha (\ddot{\mathbf{\Phi}} + 2\xi \omega \dot{\mathbf{\Phi}} + \omega^2 \mathbf{\Phi}) = \mathbf{Q} \quad (1)$$

All symbols of the equation should be explained.

2.2 Figures and tables

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.

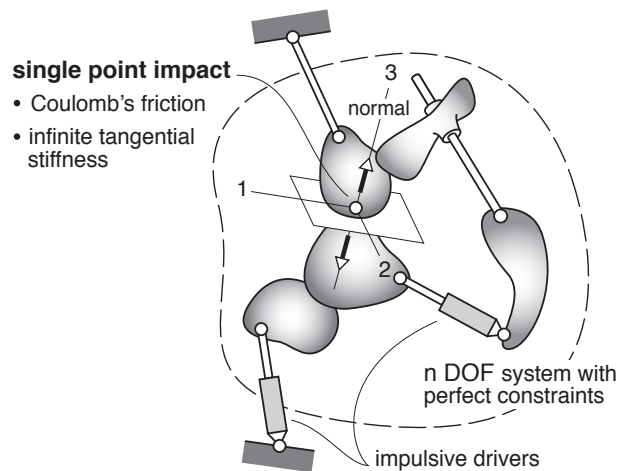


Figure 1. Example of a figure and its caption.

A resolution of 300dpi for pictures and 600dpi for line art is suggested, 1px wide lines in figures should be avoided as they may become invisible in print. There is no limit on the amount of figures as long as the total length of the paper is within the specified limit. Figures should be centred on the page.

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

Table 1. Example of a table and its header.

T11	T12	T13	T14
T21	T22	T23	T24

2.3 References

Number citations consecutively in square brackets. Type the reference list at the end of the abstract following the style shown below, where [1] exemplifies the case of a textbook, [2] is an article in a journal and [3, 4] are articles in conference proceedings.

3 SUBMISSION OF THE FULL PAPER

Authors are optionally requested to submit the full paper of a maximum of 12 pages no later than April 17, 2015, to the conference website: <http://www.multibody2015.org>. The uploaded file must be in the PDF format. When creating the PDF, please make sure to use A4 as paper size. Before submitting your paper, check that it is according to the conference style guidelines presented in this template.

4 CONCLUSIONS

We very much look forward to welcoming you in Barcelona! Best wishes and the warmest regards from the Organizing Committee of the ECCOMAS Thematic Conference on Multibody Dynamics 2015.

REFERENCES

- [1] J-C. Samin, P. Fiset. *Symbolic Modeling of Multibody Systems*. Kluwer Academic Publishers, Dordrecht, 2003.
- [2] J.M. Font-Llagunes, A. Barjau, R. Pàmies-Vilà, J. Kövecses. Dynamic analysis of impact in swing-through crutch gait using impulsive and continuous contact models. *Multibody System Dynamics*, Vol. 28, No. 3, pp. 257–282, 2012.
- [3] R. Seifried, W. Schiehlen. Computational analysis and experimental investigations of impacts in multibody systems. In P. Eberhard (Ed.) *IUTAM Symposium on Multiscale Problems in Multibody System Contacts*, pp. 269–280, Springer, 2007.
- [4] F. Naets, R. Pastorino, J. Cuadrado, W. Desmet. Use of sub-system global model parameterization models in extended Kalman filtering for online coupled state/force estimation. In Z. Terze (Ed.) *Proceedings ECCOMAS Thematic Conference on Multibody Dynamics*, pp. 391–400, Zagreb, Croatia, 2013.