INSTRUCTIONS TO PREPARE A FULL-LENGTH PAPER FOR THE EUROMECH578 COLLOQUIUM ON ROLLING CONTACT MECHANICS FOR MULTIBODY SYSTEM DYNAMICS

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Keywords: Multibody Dynamics, Hertzian Contact, Experimental Validation, Tire Model, Wheel-rail Contact.

Summary: *This document provides information and instructions for preparing the full-length paper for the EUROMECH578 Colloquium (10-13 April, 2017 in Madeira Island, Portugal).*

1. INTRODUCTION

The Colloquium publication will consist of a CD or pen drive containing papers of the contributions received and a printed Book of Abstracts containing the accepted abstracts. The authors should upload the full-length paper (max 20 pages) to the online submission system, using the format of this template, by February 01, 2017.

The early registration deadline is January 30, 2017 and the colloquium fee payment deadline for presenting authors is February 15, 2017. Registration of presenting authors and colloquium fees paid by March 01, 2017 is mandatory for paper inclusion in the Proceedings and Colloquium Program. Papers unpaid after this date will be removed from the final program.

Further information can be found at the conference webpage: www.dem.ist.utl.pt/euromech578

2. GENERAL SPECIFICATIONS

The full-length paper must be written in English and should have a maximum length of approximately 20 pages.

3. TITLE, AUTHORS, KEY WORDS

The first page must contain the Title, Author(s), Affiliation(s), Key words and the Summary. The Introduction must begin immediately below, following the format of this template.

3.1 Title

The title should be written centered, in 14pt, boldface Times, all capital letters. It should be single spaced if the title is more than one line long.

3.2 Author

The author's name should include first name, middle initial and surname.

3.3 key words

Please, write no more than six keywords.

4. FIGURES

Figures are automatically numbered consecutively and captioned, and should be embedded in the Paper.

Figure 1. Caption goes here.

5. EQUATIONS

A displayed equation is numbered, using Arabic numbers in parentheses. It should be centered, leaving a 6pt space above and below to separate it from the surrounding text. The following example is a single line equation:

$$Ax = b \tag{1}$$

The next example is a multi-line equation:

$$\begin{aligned} Ax &= b \\ Ax &= b \end{aligned} \tag{2}$$

6. TABLES

All tables are automatically numbered consecutively and captioned.

C11	C12	C13
C21	C22	C23
C31	C32	C33
C41	C42	C43
C51	C52	C53

Table 1. Example of the construction of a table.

7. FORMAT OF REFERENCES

References should be quoted in the text by numbers [1, 2, 3] and grouped together at the end of the Abstract in numerical order as shown in these instructions. Use the $unsrt$ style either with the $BibTeX$ or the $\backslash bibitem$ format.

8. CONCLUSIONS

We look forward to receive your contributions for this conference.

References

[1] Schiehlen, W., Multibody System Dynamics: Roots and Perspectives, Multibody System Dynamics, 1, 149-188, 1997.

[2] Flores, P., Ambrosio, J., Pimenta Claro, J., Lankarani, H., Kinematics and Dynamics of Multibody Systems with Imperfect Joints, Springer, Heidelberg, Germany, 2008.

[3] Hulbert, G., Ma, Z.-D., Wang, J., Gluing for Dynamic Simulation of Distributed Mechanical Systems, in: Advances in Computational Multibody Systems, J.Ambrosio (ed.), Springer, Dordrecht, The Netherlands, 69-94, 2005.