

## INSTRUCTIONS FOR PREPARING AN EXTENDED ABSTRACT FOR THE 13<sup>TH</sup> WORLD CONGRESS ON COMPUTATIONAL MECHANICS

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**Key words:** Instructions, Multiphysics Problems, Applications, Computing Methods Abstract.

**Abstract.** This document provides information and instructions for preparing an extended abstract to be made available for downloading from the WCCM2018 website.

### 1 INTRODUCTION

All participants whose abstract has been accepted for presentation at the Congress may submit an extended abstract until **May 15, 2018**. The submission of the extended abstract is not mandatory. The abstracts will be submitted for approval for indexation in the Congress Proceedings Citation Index ISI Web of Knowledge (Thomson Reuters). *This is not a guarantee that they will be approved for indexation.* The abstract should be written following the format below. *The file must be converted to Portable Document Format (PDF) before submission.* The organizers do not commit themselves to include in the any extended abstract received later than the above-mentioned deadline. The corresponding author should be the speaker, and is expected to register and pay his registration fee by the early registration deadline date.

### 2 GENERAL SPECIFICATIONS

The Extended abstract must be written in English within a printing box of 16cm x 21cm, centered in the page. The Extended abstract including figures, tables and references must have a minimum length of 6 pages and must not exceed 12 pages. Maximum file size is 4 MB.

### **3 TITLE, AUTHORS, AFFILIATION, 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 Roman, 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. It should be written centered, in 12pt boldface Roman, 12pt below the title.

#### **3.3 Affiliation**

Authors' affiliations should be written centered, in 11pt Roman, 12pt below the list of authors. A 12pt space should separate the two different affiliations.

#### **3.4 Key words**

Please, write no more than six key words. They should be written left aligned, in 12pt Roman, and the line must begin with the words Key words: boldfaced. A 12pt space should separate the key words from the affiliations.

#### **3.5 Summary (optional)**

Use 12pt Italic Roman for the summary. The word Summary must be set in boldface, not italicized, at the beginning of the first line. The text should be justified and separated 12pt from the key words, as shown in the first page of these instructions.

### **4 HEADINGS**

#### **4.1 Main headings**

The main headings should be written left aligned, in 12pt, boldface and all capital Roman letters. There should be a 12pt space before and 6pt after the main headings.

#### **4.2 Secondary headings**

Secondary headings should be written left aligned, 12 pt, boldface Roman, with an initial capital for first word only. There should be a 12pt space before and 6pt after the secondary headings.

## **5 EDITORIAL HEADING**

The first page has to include the Editorial Heading, as shown in the first page of these instructions. Successive pages will include the name of the authors.

## **6 TEXT**

The normal text should be written single-spaced, justified, using 12pt (Times New) Roman in one column. The first line of each paragraph must be indented 0.5cm. There is not inter-paragraph spacing.

## **7 PAGE NUMBERS**

In order to organize the extended abstract, it is better to number the pages. Page numbers are not included in the printing box.

## **8 FIGURES**

All figures should be numbered consecutively and captioned. The caption title should be written centered, in 10pt Roman, with upper and lower case letters.

A 6pt space should separate the figure from the caption, and a 12pt space should separate the upper part of the figure and the bottom of the caption from the surrounding text.

Figures may be included in the text or added at the bottom of the Extended abstract.

## **9 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.

## **10 TABLES**

All tables should be numbered consecutively and include caption (10pt Roman, upper and lower case letters).

A 6pt space should separate the table from the caption, and a 12pt space should separate the table from the surrounding text.

## **11 FORMAT OF REFERENCES**

References should be quoted in the text by superscript numbers [<sup>1,2</sup>] and grouped together at the end of the Extended Abstract in numerical order as shown in these instructions.

## 12 CONCLUSIONS

- - Extended abstracts in format for publication should be submitted electronically before May 15, 2018. They must be converted to Portable Document Format (PDF) before submission. The maximum size of the file is 4 Mb.
- - The speaker (corresponding author) is expected to pay his registration fee during the advance period (before May 15, 2018) for the presentation to be included in the final program of the Congress.

## REFERENCES

[1] Zienkiewicz, O.C. and Taylor, R.L. The finite element method. McGraw Hill, Vol. I., (1989), Vol. II., (1991).

[2] Idelsohn, S.R. and Onate, E. Finite element and finite volumes. Two good friends. Int. J. Num. Meth. Engng. (1994) 37:3323–3341.