

EXTENDED ABSTRACT PREPARATION INSTRUCTIONS

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This document describes the format for the BUILD-IT Workshop manuscripts. The official language is English, therefore all manuscripts should be prepared in this language. Each manuscript should begin with an abstract describing the main ideas of the contribution. The abstract should contain no more than 200 words.

Keywords: *no more than five words in italic, separated by commas (,)*

1. Introduction

This document contains all necessary information to prepare a manuscript for the BUILD-IT Workshop 2023. All extended abstracts must be submitted through the congress website www.inm.cnr.it/buildit2023. Please visit the workshop website, then follow the “Instructions” contained in dedicated web page and submit your contribution via the dedicate form. Please note that the online submission system only accepts PDF files no larger than 10 MB.

2. General style parameters

This document uses predefined styles to satisfy all the requirements of the BUILD-IT Workshop manuscript format. Please while writing your paper do not modify any of the important parameters embedded in this document, such as: fonts, page layout, and style.

- Manuscript page size: Letter (215.9 × 279.4 mm).
- All manuscript page margins: 20 mm.
- Basic text font: 11 point Times family font (Times, Times New Roman, etc.).
- Manuscript Title: 17 points sans-serif font (preferably Helvetica or Arial), in bold.
- Section titles: 14 point sans-serif font (preferably Helvetica or Arial), in bold.
- Left and right margins: justified.
- First line of each paragraph: indented by 5 mm.

3. First page of the manuscript

Special parts of the manuscript first page include: Congress logo, manuscript title, author names and affiliations and abstract.

The title should be typeset using 17 point bold Arial or Helvetica font, with capital letters only. The “Title” style has been adjusted to use these values. This style also adjusts vertical spacing above and below the title. If the title is longer than one line, it should be manually broken to equalize line lengths.

Author names should be typeset using 14 point, Times New Roman font, while affiliations should be type-set using 11 point italics Times New Roman font. “Author” and “Affiliation” styles have been defined to use these values. The styles also adjust vertical spacing above and below author and affiliation lines as well as left and right

line indentations. If there are two or more authors belonging to the same institution, they should be mentioned in one line preceding the affiliation. In this case authors should be separated by commas (,) except for the last author name, which should be preceded by *and*. If there are two or more authors belonging to different institutions, the affiliation should be written for all the authors with a differing institution affiliation. An example of the affiliation style for two or more authors is provided on the first page of this guide. In both cases, there should be only one email address, preferably that of the presenting author.

The abstract text should be typeset using 10 point Times New Roman font. The abstract text should be separated from the rest of the manuscript with a horizontal line. The “Abstract” style has been created to choose this font, to adjust vertical and horizontal spacing around the abstract, and to add the horizontal line. The abstract should be self-contained; therefore, do not refer to the list of references. The abstract should contain no more than 200 words.

4. Sections

Sections should be numbered with Arabic numerals. Section headings should be typed in sans-serif font (Helvetica, Arial) and left-justified. Section heading size should be 14 pt. Section headings should be typed using bold face font. The “Heading 1” style has been adjusted to follow these rules. Please do not use deeper section headings than sections.

5. Equations

Mathematical formulas can be placed in the middle of text lines (inline math) or in separate paragraphs. Inline math should be used only for short equations. Please avoid build-up constructions (like fractions, matrices, etc.) in inline math.

Long and important mathematical formulas should be placed in separate paragraphs, centred, and with a left-justified number, like the following:

$$\sum_{i=1}^{\infty} \frac{1}{2^n} = 1. \quad (1)$$

Generally, all displayed formulas should be numbered consecutively, beginning with 1. However, only one line of a multi-line formula should be numbered, except when separate references to different lines are necessary.

6. Figures

All illustrations (line drawings, charts, plots, photos, etc.) should be adjusted to provide reasonable trade-offs between resolution and memory usage. When scaling an illustration, make sure the font size and line thickness are still large enough to be legible. All illustrations should be centred on the page. However, when there are two or more narrow illustrations, it may be reasonable to put them side-by-side. All illustrations should be captioned



Figure 1: Figure caption example.

below the illustration. Captions should be numbered consecutively, centred, and written using a Times family font with point size 11. The “Caption” style has been adjusted to follow these rules.

7. Tables

Tables should be centred on the page. All tables should be captioned above the table. Table captions should be numbered consecutively, centred, and written using Times family font with point size 11.

Table 1: Table caption example.

Important dates	Deadline
Extended abstract submission	1 June 2023
Notification of acceptance	3 July 2023
Registration (free of charge)	17 July 20 2023
Workshop	19-20 October 2023

8. References

The heading of the references section should not be numbered. All references to the literature should appear at the end of the paper. An example of the proper format for references is given at the end of this guide. The numbering of references should be in ascending order and should reflect the order of appearance of the references in the text. An example of the proper format for references is given below. Use numbers in square brackets to refer to particular positions in the literature. For example, to refer to the first position in the literature list presented at the end of this guide, you should write [1, 2]. Citations are managed and automatically formatted by the `buildit.bst` style.

9. Other important information

Your manuscript should not exceed the maximum of three (3) pages. The BUILD-IT Scientific Committee has the right to *reject papers considered inappropriate for the proceedings*, even if the manuscript originally appeared to be acceptable.

Manuscript will be peer-reviewed and are advised to be received as a PDF file no later than **1 June 2023**. In case of any problems in preparing a PDF file, please email the BUILD-IT Organizers.

REFERENCES

1. Fuller, A., Fan, Z., Day, C. and Barlow, C. Digital twin: Enabling technologies, challenges and open research, *IEEE Access*, **8**, 108952–108971, (2020).
2. Mashaly, M. Connecting the twins: A review on digital twin technology & its networking requirements, *Procedia Computer Science*, **184**, 299–305, (2021).