Do not capitalize your short-paper title

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Abstract: Place a brief summary of your work here. Do not use more than 100 words. The field of automation processes and systems is one of the fundamental and fascinating areas at the interface of automation technology and medicine. Due to the advancing digitalization and the immersion of machine learning in all areas of life, control and automation technology is becoming increasingly important in medicine. The main objective of BMS24/AUTOMED 2024 is to discuss current trends and provide a forum for new research results in this field. The interdisciplinary approach of the event is intended to create new synergies between technical and medical sciences.

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# I. Introduction

Two section headers should not follow each other directly without textual content.

## I.I. Subsection

Your paper should have not more than two pages. The template is used to format your paper and style the text. All margins, column widths, line spaces, and text fonts are prescribed; please do not alter them. Do not squeeze more text into the limited number of pages. Use only the formats defined for this document.

Number equations consecutively with equation numbers inparentheses flush with the right margin, as in (1). Use parenthesesto avoid ambiguities in denominators. Punctuate equationswhen they are part of a sentence, as in

 (1)

Make sure figures are still legible. Fig. 1 is an example for figure. Note numbers in figures and graphs must be legible in A4 size paper format

Figure 1: It is good practice to explain the significance of the figure in the caption. Each figure should be able to be standing alone.

Do not put borders around your figures. Each figure/table should be mentioned in the text.

Use the abbreviation “Fig.” throughout the text of your abstract, even at the beginning of a sentence.

Figure axis labels are often a source of confusion. Use words rather than symbols. As an example, write the quantity “Energy” or “Energy, E” not just “E”. Separate units with a slash, e.g. “Energy / J” or “Energy in J”. Do not label axes only with units.

## I.II. Second subsection, if necessary

To provide consistent reproducibility, please include axes and tick marks on all four sides of your graphs and avoid the use of grid lines (note that grid lines tend to clutter a graph if dark or reproduce poorly if light). Please also include an explanatory legend within your graphs when two or more curves or sets of data are included. Avoid explaining the different symbols and curves in the figure caption alone - using a legend results in a much more easily understood figure. Do not abbreviate “Table”. Tables are numbered with Arabic numerals, as can be seen in Table 1.

# II. Material and methods

Define abbreviations and acronyms the first time they are used in the text, even after they have been defined in the abstract. Abbreviations such as IEEE, SI, MKS, CGS, sc, dc, and rms do not have to be defined. Do not use abbreviations in the title or heads unless they are unavoidable



Figure 2: Format your data graphs as described in the text above.

Table 1: Font size and format.

|  |  |  |
| --- | --- | --- |
| **Format Style** | **Font Sizeand Type** | **Element** |
| Title | 24, Bold, Calibri | Title |
| Author List | 12, Bold, Calibri | Authors |
| Affiliations | 12, Italic, Calibri | Affiliation |
| Corr. Author’s E-Mail Address | 12, Italic, Calibri | Affiliation |
| Abstract | 9, Italic, Times New Roman | Abstract |
| Section Title | 14, Bold, Calibri | Section Title |
| Subsection Title | 12, Bold, Calibri | Subsection Title |
| Text | 10, Times New Roman | Standard |
| Figure Caption | 9, Italic, Times New Roman | Caption |
| Table Caption | 9, Italic, Times New Roman | Caption |
| Acknowledgment Title | 10, Bold, Calibri, Small Caps | Acknowledg-ments |
| Acknowledgment Textblock | 8, Times New Roman | Acknowledg-ment Textblock |
| Author’s Statement Title | 10, Bold, Calibri, Small Caps | Acknowledg-ments |
| Author’s StatementTextblock | 8, Times New Roman | Acknowledg-ment Textblock |
| Reference Title | 10, Bold, Calibri, Small Caps | Acknowledg-ments |
| Reference Textblock | 8, Times New Roman | Reference Style |

# III. Results and discussion

Some common mistakes:

* The word “data” is plural, not singular.
* The subscript for the permeability of vacuum **0, and other common scientific constants, is zero with subscript formatting, not a lowercase letter “o”.
* In American English, commas, semi-/colons, periods, question and exclamation marks are located within quotation marks only when a complete thought or name is cited, such as a title or full quotation. When quotation marks are used, instead of a bold or italic typeface, to highlight a word or phrase, punctuation should appear outside of the quotation marks. A parenthetical phrase or statement at the end of a sentence is punctuated outside of the closing parenthesis (like this). (A parenthetical sentence is punctuated within the parentheses.)
* A graph within a graph is an “inset”, not an “insert”. The word alternatively is preferred to the word “alternately” (unless you really mean something that alternates).
* Do not use the word “essentially” to mean “approximately” or “effectively”.
* In your paper title, if the words “that uses” can accurately replace the word “using”, capitalize the “u”; if not, keep using lower-cased.
* Be aware of the different meanings of the homophones “affect” and “effect”, “complement” and “compliment”, “discreet” and “discrete”, “principal” and “principle”.
* Do not confuse “imply” and “infer”.
* The prefix “non” is not a word; it should be joined to the word it modifies, usually without a hyphen.
* There is no period after the “et” in the Latin abbreviation “et al.”.
* The abbreviation “i.e.” means “that is”, and the abbreviation “e.g.” means “for example”.

# IV. Conclusions

Although a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance of the work or suggest applications and extensions.

### Acknowledgments

##### The preferred spelling of the word “acknowledgment” in America is without an “e” after the “g”. Avoid the stilted expression, “One of us (R. B. G.) thanks . . .” Instead, try “R. B. G. thanks”.

### Author’s statement

##### Research funding: The author state no funding involved. Conflict of interest: Authors state no conflict of interest. Informed consent: Informed consent has been obtained from all individuals included in this study. Ethical approval: The research related to human use complies with all the relevant national regulations, institutional policies and was performed in accordance with the tenets of the Helsinki Declaration, and has been approved by the authors’ institutional review board or equivalent committee.

#### References

[1] G. O. Young, *Synthetic structure of industrial plastics* (Book style with paper title and editor), in Plastics, 2nd ed. vol. 3, J. Peters, Ed. New York, McGraw-Hill, 1964, pp. 15–64.

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[3] J. U. Duncombe, *Infrared navigation—Part I: An assessment of feasibility* (Periodical style), IEEE Trans. Electron Devices, vol. ED-11, pp. 34–39, Jan. 1959.