Paper Title

1st Author’s Namea, 2nd Author’s Nameb,\*

a Department Name of Organization, Name of Organization, City, Country

**ABSTRACT**

This abstract should encompass the study's objectives, methodology, principal results, and conclusions within a single paragraph format. It is imperative that the word count falls between 100 to 150 words. We advise against the inclusion of citations, footnotes, or references within the abstract and recommend ensuring that the language remains non-technical, catering to a wide readership.   
(Single line space)  
*Keywords*: Keyword1, Keyword2, Keyword3, Keyword4, Keyword5, Keyword6 (4 to 6 keywords)  
(Single line space)

# 1. Introduction (Heading)

The body of the manuscript must be formatted according to the provided template. Text should be typed using Times New Roman font at a size of 10 points. The manuscript should be between 5 to 10 pages in length, inclusive of all figures, tables, and references. Use headings and subheadings to organize the content and ensure they align with the provided template's style.

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# 2. Language

Manuscripts can be written in either English or Japanese. However, figure and table captions should always be provided in English for consistency and wider comprehension. For submissions in Japanese, authors are required to accompany their manuscript with an abstract written in English, spanning approximately two A4 pages. Conversely, for English submissions, an abstract in Japanese of similar length should be included.

# 3. Originality

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# 4. Data Archiving and Citation

For the benefit of the research community and to promote transparency and reproducibility, we encourage authors to archive supplementary materials such as G-code, CAD data, datasets, scripts, and other relevant research files.

All associated research data should be directly uploaded to the journal's website at the time of manuscript submission. Authors are expected to reference this data in the manuscript in the format: CAD data (supplementary data 1). It is imperative for the data to be in universally recognized formats, facilitating other researchers' usage and steering clear of proprietary formats. Furthermore, by uploading their data to the journal's archive, authors consent to licensing it under an open license, paving the way for fellow researchers to use, disseminate, and expand upon the original data while providing due credit.

# 5. Figures and Tables

## 5.1 Figures (Sub-Heading)

All figures and tables should be integrated into the text at appropriate points and not collected at the end. For clarity and enhanced comprehensibility, we highly recommend using figures in color. They should be labeled like "Fig. 1" or "Fig. 2", and relevant captions should be provided. Ensure that all graphics and illustrations are of high resolution and are legible when printed. For figures sourced from previously published works, authors should ensure they have the necessary permissions and duly acknowledge the original source in the caption.

Fig. 1 Example of a figure caption.

*5.2 Tables (Sub-Heading)*

Tables should be introduced in the main text with sequential titles like "Table 1" or "Table 2" and each table should carry a descriptive title.

Table 1 Example of a table caption

|  |  |  |  |
| --- | --- | --- | --- |
| Case | Method #1 | Method #2 | Method #3 |
| 1 | 12 | 34 | 32 |
| 2 | 15 | 22 | 32 |
| 3 | 22 | 24 | 34 |

# 6. Notation of Physical Quantities

Physical quantities should be presented in italic typeface to distinguish them clearly from the surrounding text. A space must be inserted between the physical quantity and its corresponding unit to enhance readability. Units should be written in Roman typeface rather than italics to maintain a clear distinction between the quantity and its unit. These conventions ensure consistency and clarity throughout the document, facilitating accurate interpretation of the data presented.

# Acknowledgments

Authors are encouraged to recognize individuals who made significant contributions to the research but do not qualify for authorship, such as those offering technical aid, writing support, or general guidance. It's also pivotal to clearly declare all funding sources related to the research, specifically naming the grant-providing institutions and mentioning grant numbers where relevant. Additionally, if there are any potential conflicts of interest that might be perceived as influencing the research or the manuscript, these should be explicitly declared, preferably in a distinct section following the acknowledgements.

# References

All references should be numbered consecutively in order of appearance and should be as complete as possible. In text citations should cite references in consecutive order using Arabic superscript numerals. Here is a brief overview of the Elsevier reference style:

* Journal articles: [Author(s) – surname followed by initials. Article title. Journal Title. Year; volume number (issue number): page range.]
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* Books: [Author(s). Book title. Publisher; Year.]
  + e.g.: Gibson I, Rosen D, Stucker B. Additive manufacturing technologies 3D printing, rapid prototyping, and direct digital manufacturing. Springer; 2015.
* Conference Proceedings: [Author(s) – surname followed by initials. Title of conference paper. Title of the conference proceedings; Year of publication: page range of contribution.]
  + e.g.: Mitsui K, Matsuzaki R, Hirano Y, Todoroki A, Suzuki Y, Optimization of fiber arrangement around circular hole for automated fiber placement, 18th US-Japan Conference on Composite Materials, 2018:Paper#187.