

National Conference on Challenges in Welding and Additive Manufacturing

Title of the paper

First Author ^a, Second Author ^b, Third Author ^{c*}

^aFirst author affiliation, Address, Postcode, Country

^bSecond author affiliation, Address, Postcode, Country

* Corresponding author: *email ID*

Abstract: The abstract should summarize the contents of the paper within 250 words.

Keywords: Give maximum 6 keywords, and each keyword separated by a comma.

1. Main text

The length of the full paper should be minimum of 6 pages and maximum of 12 pages in the given format.

The following content gives an overview of the guidelines to be followed while preparing the full paper.

1.1. Structure

Please do not alter the formatting and style layouts which have been set up in this template document. As indicated in the template, papers should be prepared in single column format on an A4 page (21 cm x 29.7 cm). Please submit your manuscript in Times New Roman font, font size 12 pt, single spacing between the lines, and 2.54 cm margin on all four sides. Leave a 6 pt spacing between paragraphs.

Figures and tables should be embedded as and where required. Follow this order when typing manuscripts: Title, Authors, Affiliations, Abstract, Keywords, Main text (including figures and tables), Acknowledgements, References, Appendix.

The section headings are arranged by numbers, bold and 12 pt with 6 pt spacing before and after. Section headings should be left justified, with the first letter capitalized and numbered consecutively, starting with the Introduction. Sub-section headings should be in italic letters, numbered 1.1, 1.2, etc., and left justified, with second and subsequent lines indented with 0.5 cm. Only two levels of headings should be numbered. Lower-level headings remain un-numbered; they are formatted as run-in headings.

1.2. General guidelines for the preparation of your text

Units should be expressed in SI units. All non-standard abbreviations or symbols must be defined when first mentioned, or an appendix provided. Ensure the text area is not blank except for the last page.

In cases where authors employ generative artificial intelligence (AI) and AI-assisted technologies during the "writing process", their utilization should solely aim to enhance readability and language. AI and AI-assisted technologies should not be attributed as authors or co-authors, nor should they be acknowledged as such in citations.

1.3. Tables

All tables should be numbered, and every table should have a caption. Headings should be placed above tables, center alignment and normal. Horizontal and vertical lines should be used within a table. Also, the table should fit to the content. Below is an example which the authors may find useful.

Table 1. An example of a table.

Column heading	Column A (units)	Column B
Row 1	1	2
Row 2	11	22
Row 3	111	222

1.4. Reference style

References must be listed at the end of the paper in a standard journal format. Authors should ensure that every reference in the text appears in the list of references and vice versa. Indicate references by [1] and [2,3] in the text.

Some examples of how your references should be listed are given at the end of this template in the 'References' section, which will allow you to assemble your reference list according to the correct format and font size.

2. Illustrations

All figures should be numbered, and every figure should have a caption. All photographs, schematics, graphs, and diagrams are to be referred to as figures. Lettering and symbols should be clearly defined either in the caption or in a legend provided as part of the figure. Figures should be placed at the top or bottom of a page wherever possible, as close as possible to the first reference to them in the paper.

The figure number and caption should be typed below the illustration in 12 pt, normal and centered. However, if two images fit next to each other, these may be placed next to each other to save space. For example, see Fig. 1.



Fig. 1. (a) First picture; (b) Second picture.

3. Equations

Equations and formulae should be typed in Math type or insert as equation in MS Word and numbered consecutively in parentheses on the right-hand side of the page (if referred to explicitly in the text). They should also be separated from the surrounding text with 6 pt spacing before and after.

$$(x + a)^n = \sum_{k=0}^n \binom{n}{k} x^k a^{n-k} \quad (1)$$

Acknowledgements

Acknowledgements and Reference heading should be left justified, bold, with the first letter capitalized but have no numbers.

References

- [1] Jackson, M. J., and O'Neill, W., 2003, "Laser Micro-Drilling of Tool Steel Using Nd:YAG Lasers," J. Mater. Process. Technol., 142(2), pp. 517–525.
- [2] Zhang, G., Hua, X., Li, F., Zhang, Y., Shen, C., and Cheng, J., 2019, "Effect of Laser Cleaning Process Parameters on the Surface Roughness of 5754-Grade Aluminum Alloy," Int. J. Adv. Manuf. Technol., 105, pp. 2481–2490.
- [3] Narayanan, V., Singh, R. K., and Marla, D., 2018, "Laser Cleaning for Rust Removal on Mild Steel: An Experimental Study on Surface Characteristics," International Conference on Design and Manufacturing Engineering (ICDME 2018), Melbourne, Australia, July 16–18.