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Instructions on Preparing Manuscripts for On-line Journal of Laser Micro/Nanoengineering

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The abstract should not exceed 200 words in length, and should be placed below affiliations. These pages provide you with an example of the layout and style for 100 % reproduction, with which we require you to adopt during the preparation of your paper.

Keywords: instruction, manuscript, proceedings, journal, five to ten keywords

1. Format

This is an instructional guide for using the Microsoft Word Template to format your paper for inclusion in On-line Journal of Laser Micro/Nanoengineering. You will be required to use this template to format your paper and then convert it into a PDF file. Papers not using this required format will be returned for revision. If you do not have a PDF converter, go to <http://www.gobcl.com/> to convert it for free.

Text should be produced within the dimensions shown on these pages. Paper title, authors name, affiliations, abstract and keywords should be in one column. Center the paper title at the top of the page in 16-point bold type. First characters of every word except for preposition are capitalized. First characters of author names are also capitalized. Body of paper should be in two columns.

Make use of the maximum stipulated length apart from the following two exceptions. (i) Do not begin a new section directly at the bottom of the page, but transfer the heading to the top of the next column. (ii) You may exceed the length of the text area by one line only in order to complete a section of text or a paragraph.

Please contact [Hiromi Inoue \[jlmn@jlps.gr.jp \]](mailto:Hiromi Inoue [jlmn@jlps.gr.jp]) with additional questions.

1.1 Paper size and margins

The paper size is "A4", width 210mm, length 297mm. Margins are Top 21mm, Bottom 24mm, and Right/Left 17mm each. The space between the two columns is 2.13 letters.

1.2 Spacing

We normally recommend the use of 1.0 (single) line spacing. However, when typing complicated mathematical text it is important to increase the space between text lines in order to prevent sub- and super-script fonts overlapping one another and making your printed matter illegible. If you are using a desktop publishing program, please *ensure* that your 'auto adjust' for interline spacing is set suitably to prevent overlapping and without excessive space.

2.13
letters

1.3 Fonts

Body of this paper has been produced using a 10 point Times New Roman. The paper title has been produced using an 16 point Times New Roman. Paper title and headings should be in Bold-face. *Affiliations are in Italic.* Please do not substitute other fonts. Times New Roman fonts are supplied with most computer systems.

2. Tables and illustrations

Tables and illustrations should be originals or sharp prints. They should be arranged throughout the text, preferably being included on the same page as they are first discussed. They should have a self-contained caption and be positioned at the center of a column or at the center of the text area which contains two columns if they are larger than the width of a column. Both sides of them should be kept blank. All illustrations should be clearly displayed by leaving at least a single line of spacing above and below them.

All notations and lettering should be no less than 2 mm high. The use of heavy black, bold lettering should be avoided, as this will look unpleasantly dark when printed.

Table and figure captions should be produced using a 9 point Times New Roman. Authors are required to submit all artwork, images, and figures that accompany the article in web format, either JPEG or GIF. File sizes should not exceed 5 MB

2.1 Tables

Horizontal lines should be placed above and below table headings, above the subheadings and at the end of the table above any notes. Vertical lines should be avoided.

2.2 Artwork

You may include two different types of figures in your document; **Line-art** in the form of spot graphs, bar graphs, etc., or **photo-images** such as micrographs, photos, etc. These figures must be scanned at specific resolutions to look good in print (these proceedings will be on CD-Rom and may be printed as a hard copy). Instructions for scanning are as follows:

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Table 1 Sample of the type of table you could make

Material	$\lambda = 1064 \text{ nm}$	$\lambda = 266 \text{ nm}$
A	$1.28 \times 10^8 \text{ 1/m}$	$1.50 \times 10^8 \text{ 1/m}$
B	$8.39 \times 10^7 \text{ 1/m}$	$8.21 \times 10^7 \text{ 1/m}$
C	$4.52 \times 10^2 \text{ 1/m}$	$2.09 \times 10^8 \text{ 1/m}$

***Photo-images:** Must be scanned at 300 dpi (minimum).

***Line-art:** Must be scanned at 600 dpi (minimum).

***Use of color:** Color graphics are preferred for the proceedings.

Failure to scan at these resolutions will result in very poor quality output. It is your responsibility to ensure that figures are scanned at the correct resolution. Please note that images prepared for the web are usually set at 72 dpi, which is inadequate for printing purposes. Check that all type in graphs and figures is large enough to read and understand.

2.3 Figures

Figures should be placed as close to where they are referenced as possible. Figure captions should be in Times New Roman font and numbered consecutively with the title centered below the figure. Always insert your figure caption separately from your figure so that any resizing of your figure does not affect the figure caption. Photographic images must include a scale marker.

3. Equations

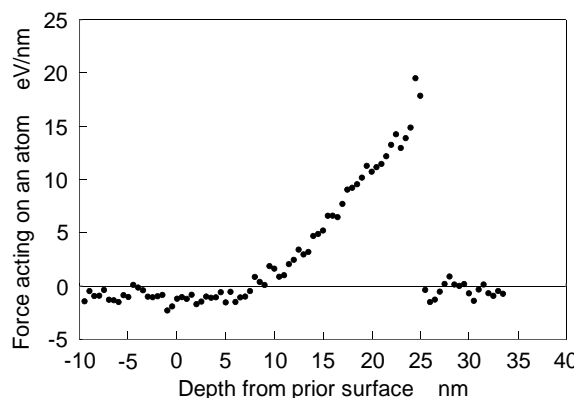
Equations should be placed flush-left with the text margin.

$$f_2(x_{ij}) = \begin{cases} A(B/x_{ij}^p - 1/x_{ij}^q) \exp[1/(x_{ij} - a)], & x_{ij} < a \\ 0, & x_{ij} \geq a \end{cases} \quad (1)$$

Make sure that they are numbered consecutively. Place the numbers in parentheses flush with the right-hand margin and level with the last line of the equation. However, simple expressions should be left in the text, written on one line, e.g., $R=a/(b+c)$.

4. Units and abbreviations

It is desirable that SI units are used. All abbreviations should be spelt out in full on first appearance, e.g., scanning tunneling microscope (STM).

**Fig. 1** Sample of the type of graph you could make.

5. Transfer of copyright

The Transfer of Copyright Form must be completed by the lead author and submitted with the manuscript. No paper shall be published in the Journal unless the form is received. The form is available at URL of <http://www.jlps.gr.jp/jlmn/>

A JLPS copyright does not preclude subsequent publication of material appearing in the Journal; in fact, you retain ownership of the paper and are free to distribute it as you deem appropriate, or to publish in another venue.

6. Submission of the manuscript

Original manuscripts should be submitted to the following address, along with a CD that includes both a PDF and Microsoft Word file of their papers by post or business mail.

Sending address:

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C/o Katayama Lab., JWRI-Joining and Welding
Research Institute, Osaka University
11-1 Mihogaoka, Ibaraki, Osaka 567-0047, Japan
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7. Suggestion of possible reviewers

The authors can suggest possible reviewers. If the authors have possible reviewers, please attach the list of at least three names, with full information on postal and e-mail addresses, telephone number, and fax number, to the Copyright Transfer Form.

Acknowledgments and Appendixes

(1) Acknowledgments, dedications, and funding sources, if any, should be placed at the end of text before the references. No section numbers should be given.

(2) Appendixes follow the acknowledgments and precede the list of references. If there are two or more appendixes, they should be labeled Appendix A, Appendix B, etc.

References

- [1] T. Handai, J. Riken, J.W. North, F. Minami, and S. Seisan: J. Appl. Phys., 74, (1993) 1119. (Journals)
- [2] T. Handae, J. Riken, G.C. East, M. Nishi, J.W. North, F. Minami and S. Seisan: "Laser Precision Microfabrication" ed. by J.D. Center and D. Senri, (Publisher, Tokyo, 1999) p.864. (Books)
- [3] N. Kakoh, and K. Saitama: Proc. 1th Int. Symp. on Laser Precision Microfabrication, Ohmiya, (2000) p.919. (Conference Proceedings)
- [4] C. Sonic: U. S. Patent 3316647 (2001) (Patent)

References should be listed at the end of your paper. Do not begin them on a new page unless it is absolutely necessary. Above we have listed some references according to the numeric sequential system [1-3]. In this system references are numbered in the order in which they are cited in the text.