

Guideline and Instructions (Paper Title: 14 point bold, aligned left)

All Description in Times New Roman

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First Author¹, Second Author¹ and Third Author^{2*} (Author: 12 point, aligned left)

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Keywords: titanium (Ti), microstructure, fatigue strength, Electron microscopy, Biomaterial (Keywords: 8 point italic, aligned left, maximum ten keywords)

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1. Introduction (First level heading: 10 point bold, aligned left)

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The manuscript should be written in **English**. The extended abstract prepared in PDF should be submitted through the web submission system **no later than August 31, 2021**. (Text: 10 point)

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2. Preparation of Manuscript

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2.1 Page Size and Layout (Second level heading: 10 point bold, aligned left)

The manuscript should be prepared on standard A4 size (210 mm x 297 mm) with top and bottom margins of 25 mm, and right and left margins of 15 mm. The typing area would be 180 mm x 247 mm. The line grid should be set 50 lines per page. The manuscript should be written in **Times New Roman**, except for symbols and necessary characters. The maximum length of the extended abstract is **2 pages**.

On the top of the first page, 1) Title (14 pt, bold), 2) Author(s) (12 pt), 3) Affiliation (9 pt, italic), 4) contact of the corresponding author (9 pt, italic), and 5) Keywords (8 pt, italic) should be listed left-aligned, as displayed in the sample above.

After a blank line, the main text should be typed in **two columns** followed by Acknowledgement and REFERENCES if necessary.

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2.2 Headings

The headings should be typed in bold face with the same size as the text (10 pt) and aligned left. First level heading should be numbered as "1. First Level Headings", place single blank lines before and after the heading. Second level heading should be numbered as "1.2 Second Level Headings" and follow a blank line. Further level headings are left at the discretion of authors.

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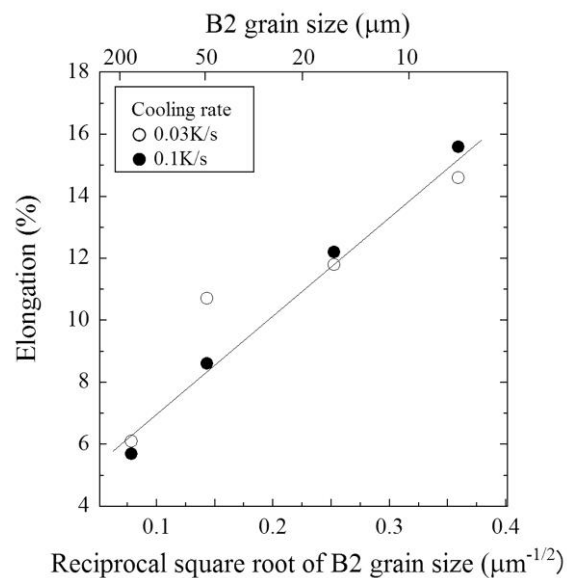
2.3 Tables and Figures

Tables and figures should be numbered in sequence, respectively and typed in bold face for example, **Table 1**, **Fig. 1** and **Fig. 2**. Table and figure captions should be in 8 point and placed above the table and below the figure, respectively, and aligned on center.

The figure(s) and table(s), themselves should be aligned center. Large figure(s) and table(s) are allowed to be placed in single column format.

For greyscale and color images, the resolution of 300 dpi or higher is recommended.

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Fig. 1 Effect of prior B2 grain size on the room temperature tensile elongation. (Caption: 8 point, aligned on center)

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Table 1 Recommended master alloy compositions for making typical titanium alloys by the blended elemental P/M method ⁵⁾

(Caption: 8 point, aligned on center)

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Alloy	Recommended master alloy compositions	Powder weight ratio (Mass Pct)
Ti-5.5Al-3.5Sn-3Zr-0.3Mo-1Nb-0.3Si (IMI829)	MA1 2Al-3.5Sn-2.83Ti (24.0mass%Al-42.0Sn-34.0Ti)	Ti : MA1 : MA2 = 83.57 : 8.33 : 8.10
	MA2 3.5Al-3Zr-0.3Mo-1Nb-0.3Si (43.2mass%Al-37.0Zr-3.7Mo-12.4Nb-3.7Si)	
Ti-6Al-2Sn-4Zr-2Mo	MA1 2.5Al-2Sn-1Mo-2Ti (33.3mass%Al-26.7Sn-13.3Mo-26.7Ti)	Ti : MA1 : MA2 = 84.0 : 7.5 : 8.5
	MA2 3.5Al-4Zr-1Mo (41.2mass%Al-47.1Zr-11.8Mo)	

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2.4 Equations

Mathematical equation(s) and chemical formula(e) in the text should be type in the same size as the text (10 point). Displayed equations should be typed after single tab and numbered consecutively throughout the manuscript. The equation number should be typed in parentheses.

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$$P = (492 + 1.8 T)(20 + \log t) \times 10^{-3} \quad (1)$$

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There should be single blank line above the equation, and single blank line below it before the text continues (see above).

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2.5 Acknowledgement

The heading “**Acknowledgement**” (10 point bold face) should be placed aligned left without numbering. No blank line is required below the heading (see below).

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2.6 References

The heading “**REFERENCES**” (10 point bold face capital letters) should be aligned left without numbering. No blank line is required below the heading. Citation of references should be made consecutively in the text and typed as superscripts with closing parenthesis like ¹⁾, ^{2,3)} or ⁴⁻⁶⁾. The reference list should be typed in 8 point text using ISIJ format (please refer <https://isijint.net/production/wp-content/themes/isijint/assets/docs/pdf/instruction-to-authors.pdf>).

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2.7 Metrication

Use the International System of Units (SI) when referring to units.

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Acknowledgement (Heading “Acknowledgement”: 10 point, bold)

This work was performed under the support of the Science and Technology Agency (STA) of the Japanese government.

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REFERENCES (Heading “Reference”: 10 point bold, CAPITAL LETTERS)

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