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# Guideline of Manuscript Instructions for Ti-2011 Proceedings (Paper Title: 14 point bold face, flush left)

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First Author<sup>1</sup>, Second Author<sup>1</sup>, Third Author<sup>2</sup> (Author: 12 point, flush left)

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<sup>1</sup>Northwest Institute for Nonferrous Metal Research, Xi'an 710076, China

<sup>2</sup>Northwestern Polytechnical University, Xi'an 710012, China (Affiliation: 9 point italic, flush left)

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This guideline describes how to prepare your camera-ready manuscript for the Proceedings of 12<sup>th</sup> World Conference on Titanium (*Ti-2011*). Your abstract should be submitted through the *Ti-2011* website from June 30 to December 30, 2010. The manuscripts will be reviewed and returned to authors for revision during the Conference (June 19-24, 2011). The conference proceedings will be published in December, 30 2011. (Abstract: 8 point with no indent)

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**Keyword:** titanium (*Ti*), body centered cubic (*bcc*), biomaterials, microstructure, fatigue strength, hydrogen embrittlement, corrosion, coating, (Keywords: 8 point italic, flush left)

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## 1. Styling of Manuscript (First level heading: 10 point bold, flush left)

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### 1.1 Language (Second level heading: 10 point bold, flush left)

All contributions must be written in English (Text: 10 point)

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### 1.2 Sheet and Typing style

Commercial A4 size (210 mm x 297 mm) sheets should be used. Margins of text are recommended as follows; Top and bottom margins are 20 mm and 26 mm, respectively, right and left margins are 18 mm and 15 mm, respectively. Therefore, the typing area of each page must be 177 mm x 251 mm (including paper title).

About 60 lines per page are preferred. Type-setting should be made in two columns (see the separate example). All the manuscript should be written in a Times font, for example, Times New Roman.

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### 1.3 Length

Please contribute your paper to 4 pages for general papers and limit to 8 pages for keynote and plenary papers. Odd number of pages should be avoided in order not to cause blank pages in Proceedings.

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### 1.4 Manuscript Arrangement

On the first page, the following should be typed: 1) Title, 2) Authors, 3) Affiliation, 4) Abstract, 5) Keywords. From the following forwards, the contents should include the main text, acknowledgement if any, references.

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## 2. Manuscript Making

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### 2.1 Subdivision and Headings

The title of your paper should be typed in bold face (14 point font size) and placed flush left. The first level headings (e.g., 1. Introduction, 2. Experimental Procedures, ..., 5. Conclusion) and second level headings (e.g., 3.1 Microstructure evolution, 3.2 Burger orientation relationship) should be typed in bold face (10 point) and placed flush left.

Further subdivision heading is left at the discretion of authors. Please place single blank line before and after the first level heading, and place one blank line before the second level heading.

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### 2.2 Name and Affiliation(s) of Author(s)

Both the first name and last name should be written out fully (12 point). Middle name can be abbreviated. The affiliation(s) (9 point) should give a sufficient postal address. The postal zip code and country name should also be given. When authors belong to different research organizations, each organization should be designated by superscript numbers, in the form 1, 2 etc.

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### 2.3 Keywords

All letters should be in small letters (8 point italic). Name of elements, chemicals, compounds and so forth should be fully spelled out with the symbol of the element. e.g., titanium (*Ti*), body centered cubic (*bcc*), biomaterials.

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### 2.4 Abstract

The abstract (200 words in maximum) should be typed (8 point) with no indent. It should not have the heading "Abstract".

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### 2.5 Main Text

Main text should be in 10 point. The first line of each new paragraph should be indented by 3 mm. Please do not use blank lines to separate paragraphs from each other.

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### 2.6 Tables and Figures

Tables and figures should be numbered in sequence and set them in bold face and behind them a dot, e.g., **Table 1.** and **Figure 2.** Table and figure captions (8 point) should be placed above the table and below the figure, respectively, and placed flush left. It is requested that no color figures and photographs should be included in the manuscript, because they do not provide proper contrast in black/white printing. If you wish to have these printed in color, the additional fee of 100 yuan per print page must be paid.

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18mm

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Table 1. Ti alloy used for shipbuilding and their typical properties(Caption: 8 point)

| Alloy | Strength scale/Mpa | A% | Compositions (w/%) |
|-------|--------------------|----|--------------------|
| Ti31  | 630                | 18 | Ti-3Al-1Zr-1Mo-1Ni |
| Ti75  | 730                | 13 | Ti-3Al-2Mo-2Zr     |
| Ti91  | 700                | 20 | Ti-Al-Fe           |
| Ti70  | 700                | 20 | Ti-Al-Zr-Fe        |
| Ti80  | 850                | 12 | Ti-Al-V-Mo-Zr      |

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## 2.7 Equation

Numerical equation in the text should be in 10 point. Symbols for variables must be typed in italic as  $x/3$ ,  $a/(b+c)$ . The exponential symbol should be expressed as “exp”. The expression of  $4 \cdot 10^{-2}$  is used instead of  $4 \times 10^{-2}$ . Equations should be started with 6 letters spaces indent from the left margin and numbered sequentially in parentheses at the right margin.

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

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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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## 2.8 SI Unit

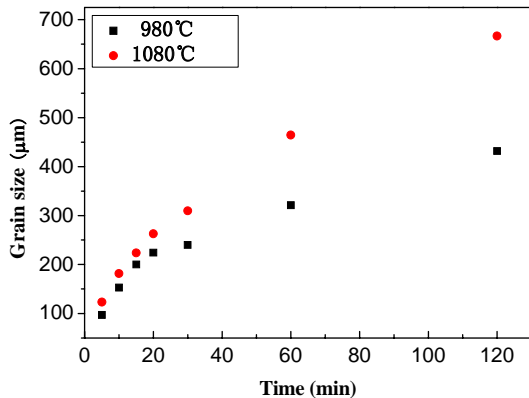
Usage of units should be based on SI units.

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## 2.9 Footnotes

No footnotes are allowed in the text. Comments and notes are to be shown in the references.

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Please send your manuscript through the *Ti-2011* website.

<http://www.Ti-2011.com>

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Figure 4. Effect of prior B2 grain size on the room temperature tensile elongation of titanium intermetallic alloy. (Caption: 8 point)

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## 2.10 Acknowledgement

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

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## 2.11 References

The heading “REFERENCES (without a number)” (10 point bold face capital letters) should be placed flush left. No blank line is required below the heading. Citation of references (8 point) should be made sequentially, in the form <sup>1, 2</sup> or <sup>3-6</sup>. A reference is described in the order: names of authors (no need of comma before “and”), the abbreviated name of journal, year, volume number(issue), page (e.g., pp.11-20) Volume number should be expressed in bold face, and the names of books in italics. The abbreviation of journal should follow the ISO standard (see below).

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## Acknowledgement(10 point bold face)

The authors wish to thank Northwest Institute for Nonferrous Metal Research for funding and support.

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## REFERENCES(10 point bold face, capital letters)

- 1) S. R. Pati and M. Cohen, *Acta Metall.* 1969; **17**: pp.189-200.
- 2) W. Köster, T. Gödecke and D. Heine, *Z. Metallk.* 1972; **63**: pp. 802-805.
- 3) W. Hume-Rothery, R. E. Smallman and C. W. Haworth, *The Structure of Metals and Alloys*, (The Metals and Metallurgy Trust of the Institute of Metals and Institution of Metallurgists, London, 1969) pp. 336-342.
- 4) E. Houdremont, *Handbuch der Sonderstahlkunde, 3. Aufl., 2. Bd.*, (Springer-Verlag, Berlin, 1956) pp. 934-939.
- 5) C. Wagner, *Steelmaking*, The Chipman Conference, ed. by J. F. Elliott, (The M.I.T. Press, Cambridge, Massachusetts, 1965) pp. 19-25.
- 6) K. Abe and Y. Sato, *Proc. 4th Int. Conf. on Rapidly Quenched Metals*, ed. by T. Masumoto and K. Suzuki, (The Japan Inst. Metals, Sendai, 1982) pp.19-25.
- 7) T. Yamada, *Collected Abstracts of the 1999 Autumn Meeting of the Japan Inst. Metals* (1999) pp.101-102.

(Reference: 8 point)