

Top margin of 36mm on the first page

# Format and Instructions for the Preparation of Papers in IWGC-7 Proceedings

## - Format for General Paper (Subtitle; If Necessary) -

14pt Bold Roman  
16pt line space

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12pt Roman  
14pt line space

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10pt Italics  
11.5 pt line space

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**Abstract:** The IWGC-7 proceedings will be published in a soft cover booklet. All papers must be produced clearly in A4-size (297mm × 210mm), and accurately within the dimensions as shown on these pages. Papers should be prepared using this supplied template. Microsoft Word should be used in preparation and PDF file should be used in submission. Note that manuscripts will be camera-ready ones with no photographic reduction. The organizing committee reviews the contents and format of the manuscript. The papers are accepted for publication after the contents and format check of the organizing committee. Thus, the authors are asked to read these instructions carefully for quicker acceptance of your paper.

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**Key words:** *Instruction, Preparation, Format, Camera-ready manuscripts, A4 size, No photographic reduction, High quality printout*

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9pt Italics Roman  
9.5pt line space

Column margin 6mm

20mm margin

9pt Roman  
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20mm margin

### 1. FORMAT OF A PAPER FOR IWGC-7

#### 1.1. Preparation and Submission of and Electronic file

Microsoft Word shall be used in preparation and PDF file shall be used in submission. The assigned address will not accept any other format. When creating your PDF file, please select "include all embedded fonts". You are not recommended to use 2-bytes characters and Asian fonts e.g. Japanese, Korean, Chinese fonts in texts, equations, figures and tables in order to avoid possible printing problems.

1) The final PDF version of your paper shall be submitted using the following address:

"IWGC-7 Committee" <iwgc7@compo.jsms.jp>

2) The file name shall be initiated by the ID number in a letter of acceptance followed by your family name. For example, a paper by Taro A. NIPPON with ID: O123 would have the file name of "O123-nippon.pdf".

3) The paper should not exceed 4 pages including illustrations. Large ones over 4 pages might be accepted with additional charge. Please contact our secretary (iwgc7@compo.jsms.jp). The electronic submission file should not exceed 5 Megabyte in file size.

#### 1.2. Layout of Paper (Margins)

Text must be printed within the dimensions shown on these pages; total width of 170mm for main text on every page but 150mm for abstract and key words, and a maximum length of 222mm on the first page and 230mm on

10pt Roman  
10.8pt line space

following pages. Margins of text are recommended as follows. Top margin is 36mm on the first page, but 28mm on following pages, and bottom margin 38mm on every page. Right and left margins are 20mm for main body, but 30mm for abstract and key words. Leveling of lines of both columns on the last page is preferable.

#### 1.3. Head (Title, Authors, Affiliations, Abstracts and Key Words)

Title of article, author(s), affiliation(s), 200-300 word abstract (no abstract for short communications), and 5-10 key words are printed in one column as shown on this page. Title should be in 14pt bold roman (using capitals for the first character of each word, excepting articles, conjunctions, prepositions etc., excepting the symbols of

(One line space)

Table 1. Summary of margins to be used.

Item	Margin mm
Top margin on the first page	36
Top margin on the subsequent page	28
Bottom margin	38
Left and right margin for main body text	20
Left and right margin for abstract and key word	30

Bottom margin of 38mm

↑  
Top margin of 28mm  
on subsequent pages  
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Table 2. Summary of font, size and line space to be used.

Item	Font	Size(pt)	Line space(pt)	Line space(mm)
Title & subtitle	bold roman	14	16	7.0
Name of author	roman	12	14	
Affiliation and mailing address	italics	10	11.5	4.0
Abstract	roman	9	9.5	3.4
Key words	italics	9	9.5	3.4
Main body text	roman	10	10.8	3.8
References	roman	9	9.5	3.4

(One line space)

chemical elements etc.), names of authors in 12pt roman, affiliations in 10pt italics with asterisk marks (no asterisk mark in the case of the same affiliation for all authors), abstract in 9pt roman, and key words in 9pt italics. Line spacing of 3.4mm(9.5pt) is recommended in printing abstract and key words.

#### 1.4. Main Body of Text

Main body of text must be printed just under key words with 8mm line space, and in two columns with 6mm margin between them, as shown on this page. A new section must not be started directly at the bottom of page. Main text should be written using 10pt roman, and the use of 3.8mm(10.8pt) line spacing is recommended. Hyphens should be used to divide words at the end of lines to reduce spaces between words. Line spacing should be the same with lines including symbols, formulae, etc. Line spacing between paragraphs should also be the same.

##### 1.3.1. Instruction for format of chapter

A title of chapter using 10pt bold capitals, excepting the symbols of chemical elements etc. is followed by its numbering as "1.", "2." and so on. One line space is required above and below the title of chapter.

##### 1.3.2. Instruction for format of section

A title of section using 10pt bold capitals for the first character of each word, excepting articles, conjunctions, prepositions etc., is followed by its numbering as "1.3.", "2.1." and so on. One line space is required above the title of section, but no line space below it.

##### 1.3.3. Instruction for format of sub-section

A title of sub-section using 10pt bold capital for the first character, excepting the symbols of chemical elements etc., is followed by its numbering as "1.2.1.", "2.3.2." and so on. No line space is required above and below the title of sub-section.

## 2. OTHER INSTRUCTIONS IN MAIN BODY OF TEXT

SI unit systems are to be used in all texts, tables, and figures. However the following units are allowed to use:

- "min" and "h" instead of "s",
- "deg", "°" instead of "rad",
- "°C" instead of "K".

Please do not mix "deg" and "°C" in the same manuscript. Please also do not use "Å", "eV" etc.

Space may be inserted between unit and figures. However this should be consistent throughout the text. Please do not mix "273 K" and "90deg" for example.

Use italics for symbols (variable parameters) and formulae, except for "sin", "cos", "grad", "tr", and so on. Please note that superscripts and subscripts which are not variables should not be in italics like " $C_{11ij}$ ", " $S_{ij}$ ", " $F^2$ ", " $F_A$ ", " $P_{critical}$ " etc. Latin words "et al.", "i.e." etc. should also not be italics.

When only initials of a noun phrase are used for its abbreviation, spell out the phrase first both in abstract and main body text like "scanning electron microscopy (SEM)", carbon fiber reinforced plastics (CFRP) etc.

#### 2.1. Figures and Tables

Sharp and clear figures are only acceptable. Figures, including photographs, and tables should be attached to the text, preferably on the same page as they are first cited. The style of figures should be consistent throughout the manuscript. Photographs must be originals. Leave

(One line space)

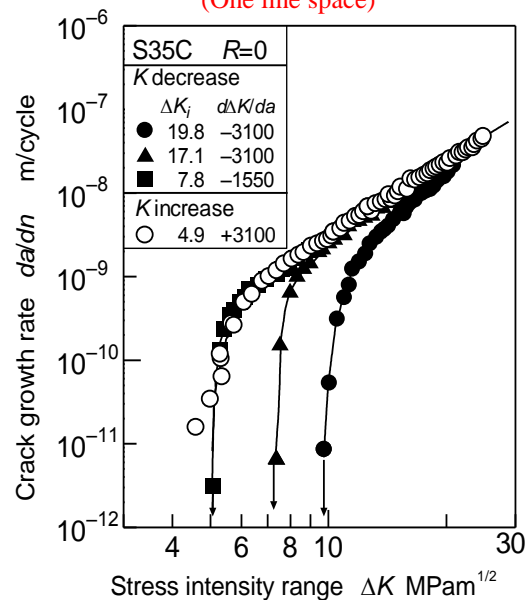


Fig.1. Figures should be reduced photographically so that lettering may be large enough to be read.

↑  
Bottom margin of 38mm  
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Table 3. Mechanical properties of materials.

Material	Young's modulus $E$ , GPa	Poisson's ratio $\nu$	Yield strength $\sigma_y$ , MPa
Aluminum Alloy	72	0.31	455
Stainless steel	193	0.28	286
Copper	124	0.33	60

(One line space)

text around 5mm space above and/or below figures or tables. Captions should be located in the center of each column.

Main body text of less than 10 lines should not be separated by figures and tables. Author(s) should refer to figures as "Figure 1" or "Figures 2 and 3" in the beginning of a sentence, but "Fig. 1" or "Figs. 2 and 3" in the middle.

## 2.2. Equations

Equations should be placed in the center of column, and should be preceded and followed by line space.

(One line space)

$$\rho c \dot{T}^2 - \text{div}(k^n \text{grad} T) - \int_0^L \cos x dx = C_{12ij} \varepsilon_{ij} \cdot (1)$$

(One line space)

Place the equation numbers in parentheses flush with the right-hand margin and level with the last line of the equation. Font sizes of equations should be the same as the main body of the text (10pt). Author(s) should refer to equation(s) as "Equation (1)" or "Equations (1) and (2)" in the beginning of a sentence, but "Eq.(1)" or "Eqs.(1) and (2)" in the middle. Equations should be treated as part of main body text. Thus, when an equation is at the end of a sentence, a "period" should be placed at the end of equations. "comma"s should be placed at the end of equations depending on the structure of the sentence.

(One line space)

$$\sigma_B = \sum_{j=1}^N q_j + \frac{dE_m}{dt}, \quad (2a)$$

$$E_m = \frac{\partial P_x}{\partial t} + G_{xy} (1 + \nu_{yz}) \quad (2b)$$

(One line space)

## 2.3. References

References are numbered in the order in which they are cited in the text body. The title "REFERENCES" is in 10pt bold roman. No line space is required below the title "REFERENCES". All references should be collected at the end of the text, and in 9pt roman. Line spacing of 3.4mm is recommended. Examples are shown in the

following references; [1] or [2] for books, [3-5] for journals, and [6] for conference proceedings. Titles of journals or proceedings should be abbreviated in a standard style, and the volume number of a journal must be in bold font. For the case of domestic journals, the formal English title should be shown with or without "(in Japanese)". When there is no formal English title, the phonetic spelling is presented with "(in Japanese)". For books published not in English, the English translation of the title is presented with "(in Japanese)". Reference numbers in the text should be in square brackets as [9], [11,12], [14-17] and "see ref. [18]", but no brackets in REFERENCES.

## 3. CONCLUSIONS

- (1) When the conclusions are divided into several items with numbers, the preferred format is as follows:
- (2) Numbers are with parentheses and without indentation.
- (3) When number is not used, normal paragraphs starting with indentation can also be used.

**Acknowledgment** – Acknowledgment(s) should be written after a dash mark "-", as in this style (not hyphen "-").

## APPENDIX (If necessary)

### A1. FORMAT OF APPENDIX

#### A1.1 Format

Format of appendix should follow the format of the main body text as shown in section 1.4 and chapter 2.

#### NOMENCLATURE (If necessary)

- A: Section area of specimen  
 P: Applied load  
 $E_m$ : Young's modulus of matrix  
 $\sigma_y$ : Yield strength

10pt only for title

## REFERENCES

1. A. G. Guy, Introduction to Materials Science, McGraw-Hill Kogakusha, Ltd., Tokyo (1972) .
2. H. Okamura, Introduction to Fracture Mechanics, Baifukan, Tokyo (1976) 320 (in Japanese).
3. T. Inoue and D. Y. Ju, J. Thermal Stress, **14** (1992) 183.
4. A. Sasaki and T. Masunaga, J. Soc. Mater. Sci., Japan, **66** (1999) 1221 (in Japanese).
5. K. Komai, K. Ohtani and F. Okamura, Kikai Zairyo, **20** (1969) 747 (in Japanese).
6. K. Ogawa, Proc. ICF10, Elsevier Science Ltd. (2001) ¥DATA¥CONTENT¥1013¥PAPER.PDF (CD- ROM).
7. K. Imai and Y. Naka, Proc. 6th Int. Conf. Mechanical Behaviour of Materials, Vol.2 (ed. by M. Jono and T. Inoue), Mater. Eng. Soc., Kyoto (1991) 181.

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