

# GUIDE FOR THE PREPARATION OF A MANUSCRIPT

(March 2017)

**1. Estimation of length:** A journal page consists of approximately 1000 words. Figures are usually reduced to fit into one column, which is 84 mm in width; the largest possible size for a figure—110 mm x 84 mm—is equivalent to 250 words.

**2. Typescript:** The typescript must be presented in the following order: (1) Title Page, (2) Synopsis and Key words, (3) Text, (4) References, (5) Appendices, and (6) Caption List, each of which should be started on a new page. The pages must be numbered consecutively with the Title Page as page 1. All the sections must be typewritten and double-spaced on one side of an A4-size paper with ample margins on all sides.

(1) The **Title** page must contain the title, the full name, affiliation, and mailing address of each author. The authors must specify only one person of them as Corresponding Author on the title page.

(2) A **Synopsis** must state briefly and clearly the main objective, scope, and findings of the work within 250 words. At least some **Key words** must accompany the synopsis.

(3) The **Text** in a regular article must include sufficient details to enable the readers to reproduce the results. Literatures should be referred properly.

(4) **References** must be numbered consecutively. Reference numbers in the text should be typed as superscripts with a closing parenthesis, for example, □<sup>1)</sup>, □<sup>2,3)</sup>, and □<sup>4-6)</sup>. List all references on a separate page at the end of the text. Include the names of all the authors with the surnames appearing last. Refer to the following examples for the proper format.

## 1) Journals

Use the standard abbreviations for journal names given in the International Standard ISO 4. Give the volume number, the year of publication, and the first page number.

### [Example]

- ① M. Kato, S. Mizoguchi and K. Tsuzaki: *ISIJ Int.*, **40**(2000), 543.
- ② S. Suzuki and K. Suzuki: *CAMP-ISIJ*, **5**(1992), 1433.
- ③ S. Suzuki and K. Suzuki: *CAMP-ISIJ*, **21**(2008), 111, CD-ROM.

## 2) Conference Proceedings

Give the title of the proceedings, the editor's name if any, the publisher's name, the place of publisher's headquarters, the year of publication, and the page number.

### [Example]

- ① Y. Chino, K. Iwai and S. Asai: Proc. of 3rd Int. Symp. on Electromagnetic Processing of Materials, ISIJ, Tokyo, (2000), 279.

## 3) Books

Give the title, the volume number, the editor's name if any, the publisher's name, the place of publisher's headquarters, the year of publication, and the page number.

### [Example]

- ① W. C. Leslie: The Physical Metallurgy of Steels, McGraw-Hill, New York, (1981), 621.
- ② U. F. Kocks, A. S. Argon and M. F. Ashby: Progress in Materials Science, Vol.19, ed. by B. Chalmers, Pergamon Press, Oxford, (1975), 1.

## 4) Dissertations

Give category of dissertation, the university's name, the degree year, the page number, URL, access date.

### [Example]

- S. Ono: Ph.D. thesis, Tokyo Institute of Technology, (2000), <http://www.titech.ac.jp/Thesespdfs/speck.pdf>, (accessed 2006-02-01).

## 5) Standards

Give standard number: year of designation, article/thesis title.

### [Example]

- ① JIS L 1902: 2008, Testing for antibacterial activity and efficacy on textile products.
- ② ISO 14404-1: 2013, Calculation method of carbon dioxide emission intensity from iron and steel production -- Part 1: Steel plant with blast furnace.

(5) **Appendices** may be attached as needed.

(6) Table and figure captions must be listed on a separate sheet as a **list of captions**.

## 3. Tables and Figures:

1) Tables and figures must not appear in the text.

2) Each table and figure must appear on a separate sheet.

3) They should be numbered serially in the order that they are cited in the text and identified by their numbers.

4) Proper places of insertion should be indicated in the right-hand margin of the text.

### Figures only:

5) All graphs, charts, drawings, diagrams, and photographs are to be referred as Figures. These must be photographically reproducible.

6) Figures are normally reduced to fit into a single column that is 84 mm in width. All letterings should be legible when reduced to this size.

7) When several photographs are shown as one figure, they should be arranged without leaving any space among them and separately identified as (a), (b), (c)... Magnification must be indicated by means of an inscribed scale.

8) Color printing can be arranged for figures in case the editorial board judges it necessary for proper presentation. Color printing for online journal is free of charge. Color figures are also available for book form; in this case, the authors should state 'Color' in the relevant figures, and the authors and/or institutions must bear the costs. For black-and-white printing of figures, please pay better attention to contrast and state '(Online version in color.)' at the end of the figure caption. Be sure to make active use of the colors on the online journal.

#### **4. Graphical Abstract:**

In addition to the Synopsis, authors can add a representative single-page figure showing the contents of the paper as a form of graphical abstract for their papers on the J-STAGE online journal and “GridList Abstracts.”

- 1) The graphical abstract figure should be one of the figures in the manuscript.
- 2) The graphical abstract figure should be stated 'Graphical Abstract' in the relevant figure of the manuscript at the time of submission.
- 3) A caption can be added to the figure if necessary. It should be also included in the caption list of the manuscript.

The editorial board will judge whether the figure and the caption are appropriate as the graphical abstract in due course during the reviewing process.

#### **Classification**

- I Fundamentals of High Temperature Processes
- II Ironmaking
- III Steelmaking
- IV Casting and Solidification
- V Instrumentation, Control, and System Engineering
- VI Chemical and Physical Analysis
- VII Forming Processing and Thermomechanical Treatment
- VIII Welding and Joining
- IX Surface Treatment and Corrosion
- X Transformations and Microstructures
- XI Mechanical Properties
- XII Physical Properties
- XIII New Materials and Processes
- XIV Social and Environmental Engineering