

GUIDE FOR THE PREPARATION OF A MANUSCRIPT

(January 2020)

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.

Additionally, the total size of files uploaded to the online submission review system should be less than 19.5MB, excluding Supporting Information file.

- (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 and provide the E-mail address and the contact address (in English).
- (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, □¹⁾, □^{2,3)}, and □⁴⁻⁶⁾. List all references on a separate page at the end of the text.
 - a) Include the names of all the authors, starting with the initials of first names followed by the surname.
 - b) In addition, if the language of the reference is other than English, the language must be specified at the end of each reference. For example, if a reference is in Japanese, “(in Japanese)” must be included at the end the reference.
 - c) It is recommended that if the reference has a digital object identifier (DOI), the uniform resource locator (URL) of the DOI be clearly given at the end as shown in the sample entry.
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, URL of the relevant DOI.

[Example]

- ① M. Kato, S. Mizoguchi and K. Tsuzaki: *ISIJ Int.*, **40**(2000), 543. <https://doi.org/10.2355/isijinternational.40.543>
- ② S. Suzuki and K. Suzuki: *CAMP-ISIJ*, **5**(1992), 1433 (in Japanese).
- ③ S. Suzuki and K. Suzuki: *CAMP-ISIJ*, **21**(2008), 111, CD-ROM (in Japanese).

2) Conference Proceedings

State the title of the proceedings, (abbreviation of conference), (venue), editor's name (if available), publisher's name, location of publisher's headquarters, (year of publication), page number, format of electronic media (if the proceedings are not published as a booklet), URL of the relevant DOI, (accessed date).

[Example]

- ① **In cases where the publisher's name is available**
Y. Chino, K. Iwai and S. Asai: Proc. 3rd Int. Symp. on Electromagnetic Processing of Materials (EPM 2000), ISIJ, Tokyo, (2000), 279.
- ② **In cases where the location of the conference is available**
K. Tsutsumi, J. Kubota, A. Hosokawa, S. Ueoka, I. Sumi, H. Nkano, and A. Kuramoto: Proc. 9th European Continuous Casting Conf. (ECCC 2017), (Vienna), The Austrian Society for Metallurgy and Materials, Leoben, (2017), 1032, USB memory.
- ③ **In cases where the publisher is unknown and page number of electronic media is unavailable**
H. Harada and M. Tanaka: Proc. 5th Int. Congr. on CO₂ Reduction in Steel Industry, (Kyoto), (2020), CD-ROM. <https://hal.archives-ouvertes.fr/hal-01334718>, (accessed 2019-09-25).

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, URL of the relevant DOI.

[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/Thesepdfs/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 (in Japanese).
- ② ISO 14404-1: 2013, Calculation method of carbon dioxide emission intensity from iron and steel production -- Part 1: Steel plant with blast furnace.

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

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

6) Websites

URL citations that are judged to be continuous and of reliable public organizations/agencies are permitted only if documents are not officially published or are difficult to obtain. In such cases, provide the (title of the document), the (publication date), URL, (accessed date).

[Example]

- ① T. Tanaka: President's message, the Iron and Steel Institute of Japan, <https://www.isij.or.jp/about/message/>, (accessed 2019-09-25).
- ② Ministry of the Environment, Government of Japan: White Paper, (Annual Report on the Environment, the Sound Material-Cycle Society and Biodiversity in Japan 2018), (June 5, 2018), <https://www.env.go.jp/en/wpaper/index.html>, (accessed 2019-07-22).
- ③ Agency for Natural Resources and Energy, White Paper, (Annual Report on Energy, FY2018 Annual Report on Energy (Energy White Paper 2019)), (June 7, 2019), https://www.enecho.meti.go.jp/about/whitepaper/2019pdf/whitepaper2019pdf_2_1.pdf, (accessed 2020-01-07).

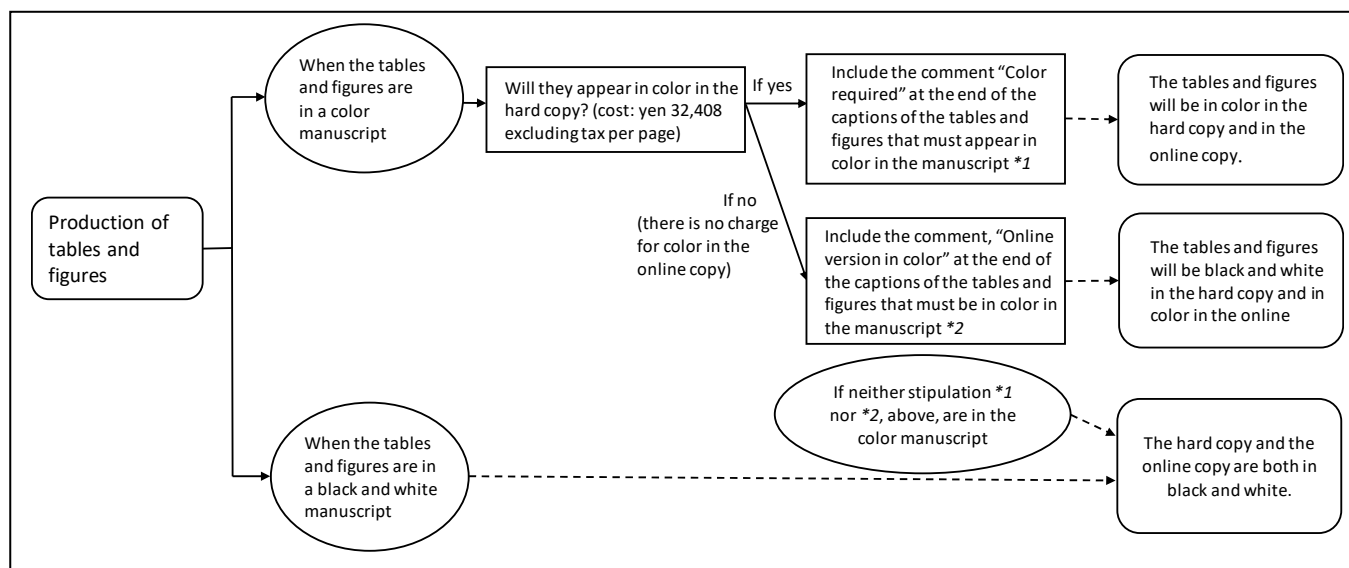
3. Tables and Figures:

- 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 and tables in case the editorial board deems it necessary for proper presentation. Color printing for online journal is free of charge. Color figures and tables are also available for book form; in this case, the authors should state "Color" in the relevant figures and tables of their manuscript, and the authors and/or institutions must bear the costs. Pay attention to contrast when submitting color figures and tables to be printed in black and white in book form. Color figures and tables will be shown in color in the online journal. Thus, please state "(Online version in color.)" at the end of the applicable figures and tables unless you want them to be printed in color in book form. If you want to have your figures and tables in black and white for both the book form and online form, please submit them in black and white.

<How tables / figures of a manuscript are to be handled>



4. Supporting Information (SI):

Video files as a supplement or as additional information to the content of the paper can be included with the online version as supporting information. SI will not be printed with the printed version, but readers can access the content from the Web.

The conditions for inclusion of SI in this journal are as follows:

- 1) Video file only, to a maximum of one file.
- 2) File size must be less than 50 MB, and the format must be mp4.
- 3) The video file name must be MovieS1.mp4.
- 4) After the figures, tables and text, include a still image of the video with a video number (use Movie S1) and a caption, then upload it. After that, upload the video file to the system.
- 5) Reference the video within your text as "Movie S1 (Supporting Information)."
- 6) At the end of the main text (before the acknowledgments, or if there are no acknowledgments, before the references) add the following statement about the accompanying SI (The DOI URL should be noted at the very end).
Supporting Information: (briefly describe the content) This material is available on the Website at <https://doi.org/10.2355/isijinternational.ISIJINT-20XX-XXX>.
- 7) The SI will be reviewed in the same way, as part of the submitted manuscript.
- 8) When a received paper is made available, the SI video made by the author will be uploaded as-is without going through a proofing process.
- 9) The SI will only be made available on the Web at the time of the main publication. It will not be released with advance online publication.

5. 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