

INSTRUCTIONS FOR CONTRIBUTORS

(Revised in December, 1984)

1. Scope: The Transactions of the Iron and Steel Institute of Japan (Trans. ISIJ) is an official monthly journal of the Iron and Steel Institute of Japan, devoted to publishing in English (as an international scientific language) the original works of research, development, or engineering, with emphasis on, but not limited to, iron and steel technology.

2. Publication in Trans. ISIJ: The Editorial Committee of Trans. ISIJ reserves the ultimate right of acceptance or rejection of a paper offered for publication in Trans. ISIJ, or of deciding in what form or in which category that paper should be published. Each paper will be regarded as an independent entity, meaning that subdividing a lengthy paper into several portions and calling them Part I, Part II, etc., will not be honored. On the other hand, however, worthy papers will receive special editorial considerations.

The criteria for acceptance are the importance in contribution to the science or technology of metallurgy, the originality in idea or method, and the quality with regard to arrangement, clarity, and brevity. For those purposes, the Editorial Committee will nominate a technical referee (or referees as it may deem necessary) and a grammar reviewer.

There are no charges of any kind for publication, and the author(s) will be presented with twenty (20) copies of courtesy reprints upon publication.

3. Submission of Papers: Of the several categories that comprise a Trans. ISIJ, the Research Article, the Technical Report, the Research Note, and the Letter to Editor are internationally open to general contributors, whether they are the members of ISIJ or not. Manuscripts should be sent in together with application form provided in every volume of the Trans. ISIJ; see Article (2), reverse side.

It is presumed in good faith that the paper has neither been published nor is being offered for publication somewhere else. When the prior publication is in the Japanese language, or it was made in a journal of limited circulation, however, the Editorial Committee will consider the case for possible exception.

The paper should not exceed the maximum length of printed journal pages allowed for each category. Only exceptionally the Editorial Committee may justify a longer paper that deserves special consideration.

(i) **Research Article:** An original paper that describes experimental results or theoretical studies of significance or novelty together with clear analysis and discussion of the results.

Any paper to be published in this category must be of a length no more than ten (10) printed journal pages, complete with synopsis (500 words maximum), text body, figures, photographic presentations, tables, and table of references, and all.

(ii) **Technical Report:** A paper that describes either (A) new developments or advances achieved in the field of practical engineering, such as fabrication, equipping, controlling, products development, and factory construction, preferably with analysis of problems or difficulties encountered and overcome in the process; or (B) collection of data of general interest, such as results of new testing method or of simulation, preferably with analysis of problems or difficulties encountered and overcome in compilation.

The maximum length is ten (10) journal pages.

(iii) **Research Note:** A short (no more than 4 journal pages) research paper or technical report that aims at an early publication of, say, discovery of new phenomenon or devising of a novel experimental method, even if theoretical analysis is as yet incomplete. Synopsis is not necessary.

Papers submitted for publication in this category will receive a special editorial attention.

(iv) **Letter to Editor:** Short essays (2 journal pages maximum) of the following nature will be considered for publication in this category.

- (A) Comments or evidences (for or against) with regard to papers already published in either Trans. ISIJ or Tetsu-to-Hagané; or
- (B) Opinions or proposals on fundamental notions of science, technology or education (in respect to the scope of the journal).

4. Preparation of Manuscript: For cares that should be exercised in preparing a manuscript, see the reverse side of this sheet.

5. Copyright: The copyright of any article published in the Trans. ISIJ belongs to ISIJ. Transfer of copyright must be done prior to publication, preferably at the time of submission of manuscript. Permission will in general be given to the original authors for them to use their own articles, provided that they submit a written notice of intent, indicating the purpose and particulars of quotation, to ISIJ well in advance of such usage.

6. Revising of Manuscripts: Revising should be done and the corrected manuscript be returned to the Editorial Committee within 3 months' time. Manuscripts arriving later than this will be regarded as newly submitted and be assigned with a new receipt date.

7. Reprints: Copies additional to the 20 courtesy copies may be purchased by units of 50 copies at a price that depends on the length of the paper.

8. Manuscripts: Only the unaccepted manuscripts will be returned to the author(s).

Preparation of Manuscripts

(1) Papers should be written in English, using either c.g.s. (or m.k.s.) system or Système Internationale d'Unités (SI).

(2) Manuscripts should be typewritten double-spaced with wide margins (at least 3 cm) on white paper of good quality, using one side of the sheet only. Reckon approximately 1 000 words to a printed journal page. They will be arranged into two 62-line columns of 8 cm breadth, with eight words to a line on average.

The original and one copy, each complete with application form, synopsis (500 words maximum), tables, figures, photographs, list of captions of figures and photographs, and reference list, should be sent in:

The Editorial Committee of Trans. ISIJ
The Iron and Steel Institute of Japan
Keidanren Kaikan 3rd Floor
9-4, Otemachi 1-chome, Chiyoda-ku,
Tokyo 100, JAPAN.

(3) Tables, figures (graphs, drawings, and such), and photographs (optical or electron photomicrographs, photographic illustrations, and such) should be separately numbered (*e.g.*, Table 1, Fig. 1, Photo. 1), and accompany the text. Each sheet should contain only one table, one figure, or one (group of) photograph(s).

(4) Since all the figures will be reproduced as received, *i.e.*, without redrawing or correction, they should stand direct reproduction. No manually drawn figures will be accepted.

(i) Figures should be drawn in black ink on a good quality white paper of 29.5 cm×21 cm, one figure (or one set of figures) to a sheet, the figure itself being 21 cm×16 cm max. Glossy prints of the same size are acceptable.

(ii) The 21 cm×16 cm figure will be reduced to 11 cm×8 cm (equivalent to 250 words), which is the largest size allowed for any drawings.

(iii) The standard width of a line is 0.4~0.5 mm for ordinary lines and approximately 0.2 mm for fine lines.

(iv) The maximum height of letters or numerals is 4.5 mm (18 point), and they should be scribed in black using a mechanical means. Ordinary typewriter letters are unacceptable as they are too small, even with pica, for clear reproduction.

(v) Figures should be framed and inscribed with appropriate graduation lines. The axes should be identified with the nomenclature of the parameter (or variable) concerned, its symbol, and unit (*e.g.*, Yield strength, σ_y , kgf/mm²).

(vi) Photographs should be pasted firmly on hard paper, one photograph to a sheet. When several photographs are to make up one presentation, they should be arranged without leaving margins in between and separately identified in the photograph by, for example, (a), (b), (c) . . . The photomicrographs should be provided with magnification, preferably by inscribing a scale. For the sake of quality of reproduction, original prints are preferred.

(vii) Color printing can be arranged, provided that the cost is borne by the author or his organization.

(5) References cited in the text should be consecutively numbered and be listed on a separate sheet in the order of numbering. The style should be, for example, 1) J.S.T. van Aswegen, R.W.K. Honeycombe and D.W.W. Warrington: *Acta. Metall.*, 12 (1964), 1; 2) C. Wagner: *Thermodynamics of Alloys*, Addison Wesley Press, Mass., (1952), 51.