

AIJ Journal of Technology and Design

Instructions for Authors

1. Content

• The content of the AIJ Journal of Technology and Design shall pertain to technology and design manuscripts on actual buildings or projects, and any comments and replies (discussions). For projects that have not been completed yet, as a rule, only manuscripts that intend to systematize activities of groups or committees will be allowed.

(1) Technology and design manuscripts

- (a) Technology and design manuscripts will be limited to unpublished ones. However, those described in section 2 will be considered as unpublished.
- (b) Technology and design manuscripts must give importance to reporting new facts.
- (c) Technology and design manuscripts shall have content related to any of the following categories.

• Category

I . Report on new technology and design related to planning, design, construction, and operation of buildings or projects

Please note that manuscripts under this category may include new knowledge obtained through integrating existing technologies or applying existing technology to new targets.

Keywords: advanced technology, innovative case study

Examples

1. A construction project report based on consolidation of results of research, design, and construction
2. Latest structural design, equipment design case study
3. Report on seismic retrofit of existing buildings and large-scale renewal work
4. District planning and townscape preservation planning-related advanced technology case study
5. Building-related advanced research and planning method, planning technology case study
6. Planning, design, and operation case study of proposed new functions of space and its use

II . Report on successful development of new materials, structural methods, equipment, and computer software

Keywords: elemental technology, development success

Examples

1. Successful development of new materials
2. Successful development of new construction and structural methods
3. Successful development of construction management technology, maintenance management technology, project management technology
4. Successful development of new equipment, facility systems
5. Successful development of systems related to measurement and observation

6. Successful development of environmental prediction technology
7. Successful development of technology related to analysis using computers, computing, CAD, CG, and CALS
8. Successful development of technology for conservation of historical buildings and restoration methods
9. Successful creative urban development

III. Report on new facts and documents from comprehensive research and development

Keywords: new concept, new facts

Examples

1. Report on disaster investigation by groups
2. Report on a large-scale experiment
3. Report on comprehensive observation and investigation regarding earthquake, wind, ground, and snow
4. Report on comprehensive investigation regarding materials, construction method, environment, and energy systems
5. Report on a new documentation related to planning and design, and community surveys
6. Report on new historical materials, such as architectural techniques and blueprints of historical buildings

IV. Technical reports on systematization of design and construction methods for buildings

Keywords: standards, criteria, guidelines, systematization

Examples

1. Introduction and explanation on standards, criteria, and guidelines aiming to systematize methods regarding design, planning, construction, experiment, and management
2. Introduction and explanation regarding systematized technology concepts, innovative technical proposal, standard planning techniques, research methods, rules and regulations, and standards, in relation to redevelopment, district planning, regional energy supply planning, rural planning, townscape preservation planning, environment conservation planning, and landscape creation planning

(d) When submitting a manuscript, the author (or the representative author in case of multiple authors) must specify one of the four categories, I, II, III, and IV.

(2) Discussions

For discussions, submissions should be made within one year after publication of the relevant article, which will be subsequently posted in the journal.

2. The extent of submissions that is allowed for a published material

- (1) Materials published in the Summaries of Technical Papers of Annual Meeting or Proceeding of the Architectural Research Meetings of AIJ Chapter
- (2) Materials included in standards, guiding principles, explanations, guidelines, manuals, collection of materials, reports, and textbooks published by the AIJ

- (3) Abstracts or supplementary materials published in symposiums, research presentations, and international conferences
 - (4) Materials published internally in university bulletins and research reports of research institutes
 - (5) Reports on the results of research or a survey commissioned by the governmental organizations, industries, or groups
3. Handling of submissions in a series
- (1) In case of submissions in a series to multiple volumes, each submission must be completed by itself.
In such a case, the title should describe the main topic definitively, with the overall topic given as a subtitle.
 - (2) For submissions in a series, the submission for the subsequent volume will be accepted only after the review for the previous volume is completed.
4. Submission eligibility
- (1) A member (individual) of the AIJ
 - (2) A group or committee directly involved in the research pertaining to the manuscript. In such a case, the name of the author (multiple authors are allowed) should be given, and the corresponding author should be an AIJ member (individual). The names of other members of the committee may be mentioned in the main text if needed.
 - (3) The AIJ is in no way responsible for the eligibility of the author as presenter (familiarity with the material presented) of the manuscript.
5. Articles
- (1) Manuscripts and comments and replies can be in either Japanese or English.
 - (2) Abstracts in English must be provided for technology and design manuscripts.
 - (3) The technical manuscripts should be between four to six pages in camera-ready PDF format. The discussions should be within one page in camera-ready PDF format, and no extra page will be allowed.
 - (4) Please refer to the "[Manuscript Format Guidelines](#)" for manuscript formatting and detailed instructions on writing.
6. Manuscript submission
- (1) The manuscript must be prepared in conformance with the writing instructions and submitted electronically as a PDF file.
 - (2) The preferred review category and review research section based on the following list should be specified. More than one preferred research section can be specified.
"Materials and Construction," "Structures," "Fire Safety," "Environmental Engineering," "Architectural Planning and Design," "Architecture System and Management," "Urban Planning," "Rural Planning," "History and Theory of Architecture," "Marine Architecture," "Information Systems Technology," "Education," "Disaster," "School Building," "Global Environment"
 - (3) Manuscript submissions can be made three times a year.
 - (4) The date on which the manuscript is submitted to the manuscript submission site will be set as the manuscript receipt date (date received).

However, if revisions to the manuscript have been specified, and the revised manuscript is resubmitted within 30 days of notification from the AIJ, the manuscript receipt date for the first submission will be registered as the revised manuscript receipt date. If the resubmission is not completed within 30 days, the first manuscript receipt date will be nullified, and the date on which the revised manuscript reaches the AIJ will be registered as the revised manuscript receipt date.

7. Acceptance or rejection of technology and design manuscripts

(1) The author will be duly notified of the acceptance or rejection of the manuscripts, after the “Committee on AIJ Journal of Technology and Design” makes the final decision based on review judgment criteria.

(2) The review judgement criteria for the technology and design manuscripts are as follows.

a. Whether the manuscript is recognized as technically valuable and useful, and contains novel content or knowledge

b. Whether the manuscript, in general, satisfies the following criteria

b-1) Technical novelty and usefulness

b-2) Clarity, method, and accuracy of description, and reliability of the results

b-3) Suitability of terminologies, relevant citations, and neutrality from commercialism

c. Whether the following main criteria are satisfied and given by category

c-1) Category I manuscripts: Innovativeness

c-2) Category II manuscripts: Possibilities (Potential)

c-3) Category III manuscripts: Objectivity

c-4) Category IV manuscripts: Comprehensiveness

(3) The category of technology and design manuscripts is used only for review criteria and is not posted in the manuscripts published in the journal.

(4) For “accepted” manuscripts based on review, the manuscript receipt date (date received) and acceptance date (date accepted) will be clearly mentioned.

(5) For “rejected” manuscripts based on review, only one resubmission will be allowed within one year from the date of notification of rejection. In such a case, the resubmission should be clearly mentioned, and the reply from the author with respect to the comments from the reviewers should also be attached.

(6) With respect to “rejected” manuscripts, if the author is not satisfied with the reason given for “rejection,” the author may raise an objection to the “Committee on AIJ Journal of Technology and Design” by clearly stating the reason for believing that the reason given for “rejection” is unfair.

8. Acceptance or rejection of discussions

The “Committee on AIJ Journal of Technology and Design” will judge the acceptance or rejection of discussions and handle the subsequent processing.

9. Copyright

(1) The author will entrust the copyright of the published technology and design manuscript or discussions (comments and replies) to the AIJ.

However, when there is a request from a third party for permission concerning reproduction, citation, and reprint of articles, the AIJ will contact the original author to confirm consent.

- (2) There is no restriction on personal use by the author of the technology and design manuscripts or discussions.
- (3) The editorial publishing rights will belong to the AIJ.

10. Format of the AIJ Journal of Technology and Design

The journal will be published electronically.

11. Publication charges

For publication of accepted technology and design manuscripts in the AIJ Journal of Technology and Design, the charges are JPY 60,000 (without taxes) for articles within 4 to 6 print pages. For discussions, it is free of charge and limited to one page only.

12. Where to submit

- Electronic submissions of technology and design manuscripts and discussions should be made at the manuscript submission website, which can be accessed from the URL given in the article submission notification page of the AIJ website.

- All communications on “raising of objections” should be sent in written form to the following address:

Committee on AIJ Journal of Technology and Design
Architectural Institute of Japan
5-26-20 Shiba, Minato-ku, Tokyo 108-8414