Information for Authors

The *Journal of Information Processing Systems* (JIPS, ISO abbreviation: J. Inf. Process. Syst.; pISSN: 1976-913X, eISSN: 2092-805X) is the official international journal of the Korea Information Processing Society (KIPS). JIPS is a peer-reviewed journal that publishes high-quality papers on the state of the art of information processing systems and related fields.

The aim of JIPS is to provide an international forum for academic and industrial researchers all over the world to promote, share, and discuss all major research issues and developments in different areas of information processing systems and related fields. This journal publishes theoretical research contributions presenting new techniques, concepts, or analyses, reports on experiences and experiments of implementation and application of theories. Tutorials on recent technologies and trends are also welcome. In addition, featured articles with outstanding contributions and results are selected by the journal's Editorial Board and introduced in the journal homepage. The subjects covered by this journal include, but are not limited to, topics related to (A) computer systems and theory; (B) multimedia systems and graphics; (C) communication systems and security; and (D) information systems and applications. In order to disseminate the recent technological advancements as quickly as possible, the acceptance of submitted papers will be finally decided according to publication plan. To be accepted, however, a paper must be judged to be truly outstanding in its field and to be of interest to a wide audience.

- **Division A: Computer Systems and Theory** includes computational theory, algorithm theory, grid/clustering computing, middleware, multimedia theory (synchronization, indexing, compacting), parallel/distributed processing theory, and computer systems applications.
- **Division B: Multimedia Systems and Graphics** includes artificial intelligence, image processing, voice processing, natural language processing, multimedia, human-computer interfaces, pattern recognition, computer graphics, the semantic web, and web services.
- **Division C: Communication Systems and Security** includes internet computing, network systems and devices, wireless/ad-hoc/sensor networks, network modeling and simulation, network management techniques, telecommunications, communication protocols, transmission techniques, communication systems, digital rights management, security, encryption and cryptography, compression, and coding.
- **Division D: Information Systems and Applications** includes databases, software engineering, e-commerce, data mining, information retrieval, and computer education.

Manuscripts for submission to the Journal of Information Processing Systems (JIPS) should be prepared according to the following instructions.

I. COPYRIGHTS AND CREATIVE COMMONS ATTRIBUTION LICENSE

A submitted manuscript, when published, will become the property of the journal. Copyrights of all published materials are owned by KIPS. The Creative Commons Attribution Non-Commercial License (http://creativecommons.org/licenses/by-nc/4.0/) is also in effect. The KIPS copyright transfer form is available at http://jips-k.org/resources2/format/KIPS_Copyright.doc.

II. RESEARCH AND PUBLICATION ETHICS

For the policies on research and publication ethics not stated in this instruction guide, the "Guidelines on Good Publication" (http://publicationethics.org/resources/guidelines) apply.

A. Authorship

Authorship credit should be based on (1) substantial contributions to conception and design, acquisition of data, or analysis and interpretation of data; (2) drafting the article or revising it critically for important intellectual content; (3) final approval of the version to be published; and (4) agreement to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved. Authors should meet these four conditions.

After the initial submission of a manuscript, any changes whatsoever in authorship (adding author(s), deleting author(s), or re-arranging the order of authors) must be explained by a letter to the editor from the authors concerned. This letter must be signed by all authors on the paper. JIPS does not correct authorship after final acceptance unless a mistake has been made by the editorial staff. Authorship may be changed before final

acceptance when the authorship correction is requested by all of the authors involved with the manuscript.

The corresponding author takes primary responsibility for communication with the journal during the manuscript submission, peer review, and publication process, and typically ensures all the journal's administrative requirements have been met. The corresponding author should be available throughout the submission and peer review process to respond to editorial queries in a timely manner, and should be available to respond to critiques of the work and cooperate with any requests from the journal for data or additional information or questions about the paper even after publication. JIPS does not allow multiple corresponding authors for one article. Only one author should correspond with the editorial office and readers for one article. JIPS does accept notice of equal contribution for the first author when the study was clearly performed by co-first authors. There is no limitation on the number of authors.

B. Originality and Duplicate Publication

Submitted manuscripts must not have been previously published or be under consideration for publication elsewhere. No part of the accepted manuscript should be duplicated in any other scientific journal without the permission of the Editorial Board. To avoid any form of plagiarism, each manuscript is checked for similarity against the Similarity Check database using iThenticate software. If duplicate publication related to the papers of this journal is detected, the manuscripts may be rejected, the authors will be announced in the journal, and their institutions will be informed. There will also be penalties for the authors.

A letter of permission is required for any and all material that has been published previously. It is the responsibility of the author to request permission from the copyright holder for any material that is being reproduced. This requirement applies to text, figures, and tables.

C. Conflict of Interest Statement

The corresponding author must inform the editor of any potential conflicts of interest that could influence the authors' interpretation of the data. Examples of potential conflicts of interest are financial support from or connections to companies, political pressure from interest groups, and academically related issues. In particular, all sources of funding applicable to the study should be explicitly stated.

D. Process for Managing Research and Publication Misconduct

When the journal faces suspected cases of research and publication misconduct such as redundant (duplicate) publication, plagiarism, fraudulent or fabricated data, changes in authorship, an undisclosed conflict of interest, ethical problems with a submitted manuscript, complaints against editors, and so on, the resolution process will follow the flowchart provided by the Committee on Publication Ethics (http://publicationethics.org/resources/flowcharts). The discussion and decision on the suspected cases will be carried out by the Ethics Committee of JIPS.

E. Editorial Responsibilities

The Editorial Board will continuously work to monitor and safeguard publication ethics: guidelines for retracting articles; maintenance of the integrity of the academic record; preclusion of business needs from compromising intellectual and ethical standards; publishing corrections, clarifications, retractions, and apologies when needed; and excluding plagiarism and fraudulent data. The editors maintain the following responsibilities: responsibility and authority to reject and accept articles; avoiding any conflict of interest with respect to articles they reject or accept; promoting publication of corrections or retractions when errors are found; and preservation of the anonymity of reviewers.

Ⅲ. QUALIFICATION FOR AUTHORS AND LANGUAGE

A. Qualification for Authors

Any researcher throughout the world can submit a manuscript if the scope of the manuscript is appropriate.

B. Language

Manuscripts should be submitted in scientific American English.

Ⅳ. SUBMISSION AND PEER REVIEW PROCESS

A. Submission

All manuscripts should be submitted online via the journal's online submission system (https://www.manuscriptlink.com/journals/jips) by the corresponding author. More detailed instructions are available at the JIPS homepage (http://jips-k.org/submission). All articles submitted to the journal must comply with these instructions. Failure to do so will result in return of the manuscript and a possible delay in publication.

All manuscripts that have been published or submitted to other journals or books will not be considered for publication in JIPS. Revised or extended versions of papers printed in conference, workshop, or symposium proceedings may be submitted to this journal with an appropriate cover note.

B. Peer Review Process

All manuscripts are treated as confidential. They are peer-reviewed by anonymous reviewers selected by the editor and associate editors. The corresponding author is notified as soon as possible of the editor's decision to accept, reject, or request revision of manuscripts. When the final revised manuscript is completely acceptable according to the JIPS format and criteria, it is scheduled for publication in the next available issue.

The criteria for paper reviewing are as follows:
- How does this manuscript advance the field of research and/or contribute something new to the literature?
- Is this manuscript relevant to the community of readers of JIPS?
- Is the manuscript technically correct?
- Is the paper clearly written and well organized?
- Are all figures and tables appropriately provided and is their resolution in good quality?
- Does the introduction state the objectives of the manuscript, encouraging the reader to read on?
- Are the references relevant and complete? The reviewers should supply missing references.

Submitted papers will be reviewed according to the peer review process. Revisions are usually requested to take account of the referees' comments and critique. Failure to resubmit the revised manuscript within 30 days is regarded as a withdrawal. The corresponding author must indicate clearly what alterations have been made in response to the referees' comments point by point. Acceptable reasons should be given for noncompliance with any recommendation of the referees.

V. MANUSCRIPT PREPARATION

A. General Requirements

- All manuscripts must be written in MS Word (not LaTeX), and the sample of the submission format is available at http://jips-k.org/resources2/format/JIPS_Submit_Format.docx.
- The paper pages should be consecutively numbered throughout.
- Authors should express all measurements in conventional units, with International System of Units (SI).
- Only standard abbreviations should be used. The use of nonstandard abbreviations can be confusing to readers. Abbreviations should be avoided in the title of the manuscript. Abbreviations should be spelled out when first used in the text—for example, extensible markup language (XML).
- The names and locations (city, state/province [if relevant], and country) of manufacturers should be given.

B. Paper Categories

This journal's publication types include original articles and editorials. Other types are also negotiable with the Editorial Board.

1) *Original Article*

There are two types of original articles: regular papers and short papers. The page limit for regular papers and short papers are 20 and 8 single-sided pages, respectively, including tables and figures.

The manuscript for an original article should be organized in the following sequence: front cover, abstract and keywords, main text, acknowledgment, references, and author biographies. The paper pages should be consecutively numbered throughout.

(1) Front Cover

The front cover of each manuscript should include a submission area (one of the four "divisions" mentioned above), paper title, list of authors (main author and co-authors), author's affiliation, and corresponding author information. A sample form of the front cover is available at http://jips-k.org/resources2/format/Front_Cover.doc. The front cover file should be attached separately from the main text when submitting the paper. The main text should not contain the authors' names or affiliations to enable blind peer review.

(2) Abstract and Keywords

The length of the paper abstract should not exceed 250 words. Manuscripts exceeding these guidelines may be returned to the authors. Abbreviations or references are not allowed in the abstract. Up to 6~7 keywords should be listed at the bottom of the abstract to be used as index terms.

(3) Main Text

Introductory discussion should be kept to a minimum, and material published elsewhere should be referenced, not reproduced. Any material not essential to the continuity of the text should be placed in the Appendices.

Formulas must be numbered. Figures (or pictures) and tables, with captions, must be numbered and referred to in the text. References in the reference list must be numbered in the order of occurrence and referred to in the text by bracketed numbers.

(4) Tables and Figures

Tables are self-explanatory and should not repeat any material from the main article or figures. If the tables or figures are not original, the author should request permission from the relevant copyright holder, and it should be noted in the caption of the tables or figures that permission has been granted.

Figures are numbered consecutively in the sequence mentioned in the text and must have a caption written in the form of a single paragraph. The caption should contain an explanation of all abbreviations and symbols used, and indicate the size value of lines or bars unless shown directly on the figure. The figure number should be placed at the lower-left corner of each figure, and the numbering order must be from left to right, then from upper to lower. Citations of figures in the text or parentheses are abbreviated, e.g., Fig. 1, Figs. 1 and 2, Figs. 1-3, (Fig. 1), (Figs. 1 and 2), (Figs. 1-3). Even if the figures (or pictures) are reduced in size for publication, they should be sufficiently large and clear enough not be affected by the process.

When the text refers to both figures and tables, they should be mentioned in parentheses, e.g., (Table 1; Fig. 2) and (Tables 1-3; Figs. 4-6).

(5) List of References

In the text, references should be cited with Arabic numerals in brackets, numbered in the order cited. In the References section, the references should be numbered and listed in order of appearance in the text. The references should only include works that have been published or accepted for publication. Personal communications and unpublished works should only be mentioned in the text. The correct citation format for an article in JIPS is as follows:

Books

[1] A. A. Helal, M. Mokhtari, and B. Abdulrazak, *The Engineering Handbook of Smart Technology for Aging, Disability, and Independence*. Hoboken, NJ: Wiley, 2008.

[2] C. Sutton and A. McCallum, "An introduction to conditional random fields for relational learning," in *Introduction to Statistical Relational Learning*, L. Getoor and B. Taskar, Eds. Cambridge, MA: MIT Press, 2007, pp. 93-128.

Journals

[3] J. Lee, J. G. Andrews, and D. Hong, "Spectrum-sharing transmission capacity," *IEEE Transactions on Wireless Communications*, vol. 10, no. 9, pp. 3053-3063, 2011.

Report

[4] 3rd Generation Partnership Project (3GPP), "Evolved universal terrestrial radio access (E-UTRA); radio frequency (RF) system scenarios (Release 9)," 3GPP Technical Specification Group Radio Access Network, Technical Report TR 36.942 V9.1.0, 2010.

[5] H. M. Wallach, "Conditional random fields: an introduction," University of Pennsylvania CIS, Philadelphia, PA, Technical Report MS-CIS-04-21, 2004.

Conference Proceedings

[6] P. Michel and R. E. Kaliouby, "Real-time facial expression recognition in video using support vector machines," in *Proceedings of the 5th International Conference on Multimodal Interfaces*, Vancouver, Canada, 2003, pp. 258-264.

Theses (M.S.) and Dissertations (Ph.D.)

[7] J. Mitola, "Cognitive radio: an integrated agent architecture for software defined radio," Ph.D. dissertation, Royal Institute of Technology (KTH), Stockholm, Sweden, 2000.

Standards

[8] *IEEE Standard for Information Technology, Part 15.4: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low-Rate Wireless Personal Area Networks (WPANs)*, IEEE Standard 802.15.4, 2006.

Online Sources

[9] P. Senin, "Dynamic time warping algorithm review," 2008; http://seninp.github.io/assets/pubs/senin_dtw_litreview_2008.pdf.

[10] Apache Tomcat [Online]. Available: http://tomcat.apache.org.

Other types of references not described this instruction manual should follow the *IEEE Computer Society Style Guide* (http://www.computer.org/portal/web/publications/styleguide).

(6) Author Biographies

When submitting to JIPS, authors should include biographical information for each author as well as a black-and-white photograph. Each biography should be one paragraph and should include the author's ORCID ID, educational background, work experience, and membership in professional societies.

2) *Editorial*

Editorials are invited by the editor and should be commentaries on articles published recently in the journal.

VI. FINAL PREPARATION FOR PUBLICATION

A. Final Version

After the paper has been accepted for publication, the author(s) should submit the final version of the manuscript. The sample of the final-paper format is available at http://jips-k.org/resources2/format/JIPS_Final_Format.docx. The names and affiliations of the authors should be double-checked, and if the originally submitted image files were of poor resolution, higher resolution image files should be submitted at this time. Symbols (e.g., circles, triangles, squares), letters (e.g., words, abbreviations), and numbers in figures should be large enough to be legible on reduction to the journal's column widths. All symbols must be defined in the figure caption. If the symbols are too complex to appear in the caption, they should appear on the illustration itself, within the area of the graph or diagram, not to the side. If references, tables, or figures are moved, added, or deleted during the revision process, they should be renumbered to reflect such changes so that all tables, references, and figures are cited in numeric order.

B. Manuscript Corrections

Before publication, the manuscript editor will correct the manuscript such that it meets the standard publication format. The author(s) must respond within 1 week when the manuscript editor contacts the author for revisions. If the response is delayed, the manuscript's publication may be postponed to the next issue.

C. Galley Proof

The author(s) will receive the final version of the manuscript as a PDF file. Upon receipt, within 2 days, the editorial office (or printing office) must be notified of any errors found in the file. Any errors found after this time are the responsibility of the author(s) and will have to be corrected as an erratum.

VII. PUBLICATION PAGE CHARGES

There is no submission fee. The article-processing charge for papers accepted for publication is based on the following policy. Authors may select the submission track of their choosing.

- **Regular Track** ($350 or KRW 390,000)
  : Publish papers on the first-accepted first-published basis.
  : It will take an average 1~2 years to publish an accepted paper.
- **Fast Track** ($800 or KRW 800,000)
  : It will take an average 6~7 months to publish an accepted paper.
- **Future Topic Track** ($1,100 or KRW 1,200, 000)
  : It will take an average 3~4 months to publish an accepted paper.
  : Result is either accepted or rejected for publication, and evaluation is done in the first decision.
  : [Remark] If you are planning on submitting papers to the Future Topic Track, the following requirements must be met.
    – A Topic must be future-oriented and very popular at the moment (e.g., IoT, block chain, cloud, edge computing, etc.).
    – The size must be within 5-6 pages including a photo and a profile (refer to the sample paper format).
    – References must be papers published within the last 3 years and should not be more than 10.

Contact Us