

Journal of Computer Science and Technology: Instruction for Authors

Abstract Please provide an abstract of 100 to 250 words. The abstract should clearly state the nature and significance of the paper. It must not include undefined abbreviations, mathematical expressions or bibliographic references.

Keywords keyword, keyword, keyword, keyword, keyword [Keywords should closely reflect the topic and should optically characterize the paper. Please use about 3~5 keywords or phrases in alphabetical order separated by commas.]

1 Introduction

Journal of Computer Science and Technology (JCST) is an international forum for scientists and engineers involved in all aspects of computer science and technology to publish high quality, refereed papers. It is an international research journal sponsored by Institute of Computing Technology (ICT), Chinese Academy of Sciences (CAS), and China Computer Federation (CCF). The journal is jointly published by Science Press of China and Springer on a bimonthly basis in English.

The journal offers survey and review articles from experts in the field, promoting insight and understanding of the state of the art, and trends in technology. The contents include original research and innovative applications from all parts of the world. The journal presents mostly previously unpublished materials.

The coverage of JCST includes computer architecture and systems, artificial intelligence and pattern recognition, computer networks and distributed computing, computer graphics and multimedia, software systems, data management and data mining, theory and algorithms, emerging areas, and more.

Enhanced versions of papers previously published in conference proceedings may be considered provided:

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All the authors should follow JCST's Guidelines for Authors^①, and especially, the authors must fulfill the Ethical Responsibilities of Authors and comply with the Referencing Guidelines.

2 Content

2.1 Text

Text Formatting. Please refer to JCST Submit/Publish Template (LATEX, WORD) at: <http://jcst.ict.ac.cn/EN/column/column111.shtml>.

Manuscripts submitted for reviews should follow the JCST Submit Template, and those that have passed the review and are going to be accepted should use the JCST Publish Template.

All elements of formulae should be type-written whenever possible. Use the automatic page numbering function to number the pages. Do not use field functions. Use the table function, not spreadsheets, to make tables. Save your file in TeX or LaTeX files, or docx format (Word 2007 or higher) or doc format (older Word

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Abbreviations. Abbreviations should be defined at first mention and used consistently thereafter.

Footnotes. Footnotes can be used to give additional information, which may include the citation of a reference included in the reference list. They should not consist solely of a reference citation, and they should never include the bibliographic details of a reference. They should also not contain any figures or tables. Footnotes to the text are numbered consecutively. Always use footnotes instead of endnotes.

Acknowledgments. Upon acceptance of the paper, authors may add acknowledgement of people, grants, funds, etc., which should be placed in a separate section. The names of funding organizations should be written in full.

Biography and Photo. Upon acceptance of the paper, authors will be asked to provide a short biography and a photo (with resolution = 600 dpi) of each author, to be included at the end of the manuscript.

Scientific Style. Please always use internationally accepted signs and symbols for units (SI units).

2.2 References

2.2.1 Citation

At times, it may be necessary for authors to include another author's material or to reuse portions of their own previously published work.

When an author uses text, charts, photographs, or other graphics from another author's material, the author shall:

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Reference citations in the text should be identified by numbers in square brackets. Some examples:

- 1) Negotiation research spans many disciplines [3].
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2.2.2 Reference List

The list of references should only include articles that are cited in the text and that have been published or accepted for publication. Personal communications and unpublished work should only be mentioned in the text using footnotes to give more information. Do not use footnotes or endnotes as a substitute for a reference list.

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2.3 Tables

All tables are numbered using Arabic numerals in the order they are referred to in the text.

Tables should be cited in text in consecutive numerical order. For each table, please supply a table caption

(title) explaining the components of the table. Identify any previously published material by giving the original source in the form of a reference at the end of the table caption.

Footnotes to tables should be indicated by “Note:” and included beneath the table body.

2.4 Definitions and Theorems

Definition 1 (Name of the Definition). *All definitions are numbered using Arabic numerals in the order they are presented in the text.*

Theorem 1. *All theorems are numbered using Arabic numerals in the order they are presented in the text.*

Proof. Example for a proof. □

2.5 Artwork and Illustrations Guidelines

2.5.1 Electronic Figure Submission

- Supply all figures electronically.
- For vector graphics, the preferred format is EPS; for halftones, please use TIFF format. MSOffice files are also acceptable.
- Vector graphics containing fonts must have the fonts embedded in the files.
- Name your figure files with “Fig” and the figure number, e.g., Fig1.eps.

2.5.2 Line Art

Definition 2 (Line Art). *Lines are black and white graphic with no shading.*

Do not use faint lines and/or lettering and check that all lines and lettering within the figures are legible at final size. All lines should be at least 0.1 mm (0.3 pt) wide. Scanned line drawings and line drawings in bitmap format should have a minimum resolution of 1200 dpi. Vector graphics containing fonts must have the fonts embedded in the files.

2.5.3 Halftone Art

Definition 3 (Halftone Art). *Halftones include photographs, drawings, or paintings with fine shading, etc.*

If any magnification is used in the photographs, indicate this by using scale bars within the figures themselves. Halftones should have a minimum resolution of 600 dpi.

2.5.4 Combination Art

Definition 4 (Combination Art). *Combination art is combination of halftone and line art, e.g., halftones containing line drawing, extensive lettering, color diagrams, etc. Combination artwork should have a minimum resolution of 600 dpi.*

2.5.5 Color Art

If black and white will be shown in the print version, make sure that the main information will still be visible. Many colors are not distinguishable from one another when converted to black and white. A simple way to check this is to make a xerographic copy to see if the necessary distinctions between the different colors are still apparent. If the figures will be printed in black and white, do not refer to color in the captions and text.

Color illustrations should be submitted as RGB (8 bits per channel).

2.5.6 Figure Lettering

To add lettering, it is best to use Times New Roman. Please keep lettering consistently sized throughout your final-sized artwork, usually about 8 pt.

Variance of type size within an illustration should be minimal, e.g., do not use 8-pt type on an axis and 20-pt type for the axis label.

Avoid effects such as shading, outline letters, etc. Do not include titles or captions within your illustra-

tions.

2.5.7 Figure Numbering

All figures are to be numbered using Arabic numerals in the order they are referred to in the text. Figures should always be cited in text in consecutive numerical order.

Figure parts should be denoted by lowercase letters: (a), (b), (c), etc.

If an appendix appears in your article and it contains one or more figures, number the appendix figures: A1, A2, A3, etc.

2.5.8 Figure Captions

Each figure should have a concise caption describing accurately what the figure depicts. Include the captions in the text file of the manuscript, not in the figure file.

Figure captions begin with the term **Fig.** in bold type, followed by the figure number, also in bold type. No punctuation is to be included after the number, nor is any punctuation to be placed at the end of the caption.

Identify all elements found in the figure in the figure caption; and use boxes, circles, etc., as coordinate points in graphs.

Identify previously published material by giving the original source in the form of a reference citation at the end of the figure caption.

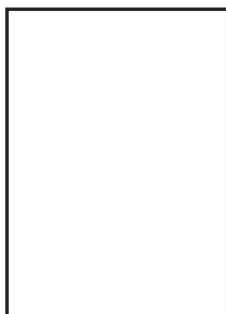


Fig.1. Example for inserting a one-column wide figure.

Table 1. Caption of This One-Column Wide Table

Note: You may explain the meaning of some special format, e.g., in bold, and/or give the full names of the abbreviations used in the table whose full names have not presented in the text.

2.5.9 Placement and Size

When preparing your figures, size figures to fit in the column width (one-column or two-column as needed).

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If you include figures that have already been published elsewhere, you must obtain permission from the copyright owner(s) for both the print and online format. Please be aware that some publishers do not grant electronic rights for free and that Springer will not be able to refund any costs that may have occurred to receive these permissions. In such cases, material from other sources should be used.

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In order to give people of all abilities and disabilities access to the content of your figures, please make sure that:

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Springer accepts electronic multimedia files (animations, movies, audio, etc.) and other supplementary files to be published online along with an article or a book chapter. This feature can add dimension to

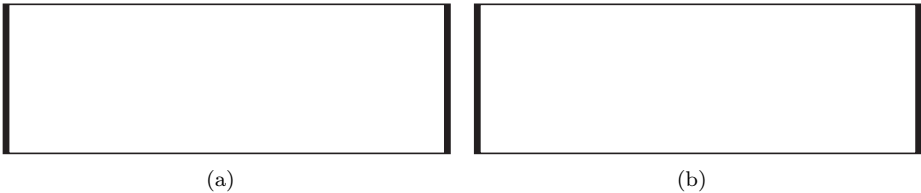


Fig.2. Example for inserting a two-column wide figure. (a) Title of sub-figure (a). (b) Title of sub-figure (b).

Table 2. Caption of This Table

the author’s article, as certain information cannot be printed or is more convenient in electronic form.

We encourage research data to be archived in data repositories wherever possible.

3.1 Submission

Please supply all supplementary material in standard file formats.

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Audio, Video, and Animations. Aspect ratio: 16:9 or 4:3; maximum file size: 25 GB; minimum video duration: 1 sec; supported file formats: avi, wmv, mp4, mov, m2p, mp2, mpg, mpeg, flv, mxf, mts, m4v, 3gp.

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.pdb (chemical), .wrl (VRML), .nb (Mathematica notebook), and .tex can also be supplied.

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Upon acceptance of the paper, authors will be asked to provide highlight of the paper. It is a short collection of information (e.g., text and graphics), in 4 ~ 5-pages PPT (with the first page presenting the title and the authors), to convey the research problem and the kernel findings, to provide readers with a quick overview of the article. The highlights describe the essence of the research (e.g., research problem, kernel contribution, results or conclusions) and highlight what is distinctive about it.

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- visiting the English language tutorial which covers the common mistakes when writing in English;

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7 [\[last section\]](#) Conclusions

Although a conclusion may review the main points of the paper, do not replicate the abstract as the conclusion. A conclusion might elaborate on the importance and results of the work, and/or suggest applications and extensions.

[\[The references should be listed at the end of the manuscript and numbered in the order they are referred to in the text.\]](#)

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