

Information for authors

1. Aims and scope

The *Journal of Computer Security* is an archival journal published quarterly. Its purpose is to present research and development results of lasting significance in the theory, design, implementation, analysis, and application of secure computer systems. It will also provide a forum for ideas about the meaning and implications of security and privacy, particularly those with important consequences for the technical community. The journal provides an opportunity to publish articles of greater depth and length than is possible in the proceedings of various existing conferences, while addressing an audience of researchers in computer security who can be assumed to have a more specialized background than the readership of other archival publications.

The journal welcomes contributions on all aspects of computer security: confidentiality, integrity, and assurance of service – that is, protection against unauthorized disclosure or modification of sensitive information, or denial of service. Of interest is a precise understanding of security policies through modelling, as well as the design and analysis of mechanisms for enforcing them, and the architectural principles of software and hardware systems implementing them.

A few of the topics of interest are: models of secure information flow, propagation of access rights, mechanisms for access control, covert channel detection and rate estimation, auditing and intrusion detection, operating systems and processor architectures, tools and techniques for specification and verification of security properties, and design considerations applicable in the context of particular kinds of systems, such as databases, networks, and distributed systems. The latter areas include such topics as inference control, authentication and key management protocols, and secure transaction processing. Papers on the role and application of cryptography in a secure system are appropriate. Issues of public policy may be appropriate if they have a clear impact on the research community. Software and hardware verification papers are appropriate in the context of a secure or safety-critical application.

2. Manuscripts

2.1. *Organization of the paper and style of presentation*

1. Manuscripts must be written in English. Authors whose native language is not English are recommended to seek the advice of a native English speaker, if possible, before submitting their manuscripts.

2. Submit the original and two copies of your manuscript as well as a floppy disc. Preferred format of the floppy is L^AT_EX, T_EX, WP 5 or ASCII format. Illustrations and graphics should be formatted in Encapsulated Postscript Format. Enclose the original illustrations and two sets of photocopies (three prints of any photographs).

3. *Manuscripts should be typed on one side of the paper only, with wide margins and double spacing throughout, including the abstract, footnotes and references;* this leaves room for editorial instructions to the typesetter. Every page of the manuscript, including the title page, references, tables, etc., should be numbered in the upper right-hand corner. However, in the text no reference should be made to page numbers; if necessary, one may refer to sections. Underline words that should be in italics, but try to avoid the excessive use of italics.

4. Manuscripts should be organized in the following order:

- Title page;
- Introduction;
- Body of text (divided into section and/or subsections);
- Conclusion (if any);
- References;
- Acknowledgements;
- Tables;
- Figure captions.

Any information concerning research grants, etc., should be included in the acknowledgement section preceding the references.

5. Headings and subheadings should be typed on a separate line, without indentation; do not type the whole heading in capitals.

6. SI units should be used, i.e., the units based on the metre, kilogramme, second, etc.

7. Any special instruction to the desk editor or typesetter written on the copy should be encircled. The typesetter will then know that the instruction is not to be set in type. When a typewritten character might have more than one meaning (e.g., the lowercase letter l may be confused with the numeral 1), a note should be inserted in a circle in the margin to make the meaning clear to the typesetter. If Greek letters or uncommon symbols are used in the manuscript, they should be written very clearly, and if necessary a note such as “Greek lowercase chi” should be put in the margin and encircled.

8. IOS Press reserves the right to return to the author for revision accepted manuscripts and illustrations which are not in the proper form given in this guide.

2.2. *Title page*

1. The title page should provide the following information:

- Title (should be clear, descriptive and not too long);
- Name(s) of author(s);

- Full affiliation(s);
 - Present address of author(s), if different from affiliation;
 - Complete address to which correspondence should be sent;
 - Abstract.
2. The abstract should be clear, descriptive, self-explanatory and not longer than 150 words. It should also be suitable for publication elsewhere.

2.3. Tables

1. Authors should take notice of the limitations set by the size and layout of the journal. Large tables should be avoided. It may be better to divide large tables into smaller ones.
2. Drawn tables intended for direct reproduction should not be folded.
3. Tables should be numbered according to their sequence in the text. The text should include references to all tables.
4. Each table should be typewritten on a separate page of the manuscript. Tables should never be included in the text.
5. Each table should have a brief and self-explanatory title.
6. Column headings should be brief, but sufficiently explanatory. Standard abbreviations of units of measurement should be added between parentheses.
7. Vertical lines should not be used to separate columns. Leave some extra space between the columns instead.
8. Any explanations essential to the understanding of the table should be given in footnotes at the bottom of the table.

2.4. Illustrations

1. IOS Press does not redraw or typeset illustrations; they are reproduced photographically from the author's original drawings. *It is therefore very important that the original drawings be of the highest quality.*
2. Illustrations (line drawings and photographs) should be on separate sheets of paper, not pasted on pages and not folded.
3. Illustrations should be numbered according to their sequence in the text. References should be made in the text to each illustration.
4. Each illustration should be identified on the reverse side (or, in the case of line drawings, on the lower front side) by its number and the name of the author. If it is not clear which is the top and which is the bottom of the illustration, indicate which is which.
5. Illustrations should be designed with the format of the page of the journal in mind. They should be of such a size as to allow a reduction of 50%.
6. If the illustrations are not produced by software, lettering should be done using transfer letters or Indian ink. Make sure that the size of the lettering is big enough to

allow a reduction of 50% without it becoming illegible. The text in the illustration should be in English. Use the same kind of lettering on every illustration.

7. On maps and other illustrations where a scale is needed, use bar scales rather than numerical ones, i.e., do not use scales of the type 1:10,000. This avoids problems if the illustration needs to be reduced.

8. Each illustration should have a self-explanatory caption. The captions to all illustrations should be typed on a separate sheet of the manuscript.

9. Explanations should be given in the typewritten legend. The text in the illustration itself should be kept to a minimum.

10. Photographs are only acceptable if they have good contrast and intensity. Only sharp and glossy original photographs without screen can be satisfactorily reproduced. Reproductions of photographs which have already appeared in print cannot be accepted.

11. Colour illustrations cannot usually be included, unless the cost of their reproduction is paid for by the author.

2.5. References

1. All publications cited in the text should be presented in a list of references following the text of the manuscript. The manuscript should be carefully checked to ensure that the spelling of the authors' names and the dates are exactly the same in the text as in the reference list, and that the reference list is complete.

2. The list of references should be arranged alphabetically by authors' names, and chronologically per author. If an author's name is mentioned separately as well as with one or more co-authors, the following order should be used: publications of the single author, arranged in chronological order – publications of the author with one co-author – publications of the author with more than one co-author. Publications by the same author(s) in the same year should be listed as, for example, 1985a, 1985b, etc.

3. Use the following system for arranging your references:

- (a) For periodicals: [initials, name], [title paper], [title periodical (italics)] [volume (bold)]([number, if any]) ([year]), [first page]–[last page].
- (b) For books: [initials, name], [title book (italics)], [publisher], [place of publication], [year].
- (c) For papers in proceedings: [initials, name], [title paper], in: [title book (italics)], [volume, if any], [initials, names of editors], eds, [publisher], [place of publication], [year], pp. [first page]–[last page].
- (d) For unpublished reports, departmental notes, etc.: [initial, name, if any], [title paper]. Unpublished [description], [name of institute, department, etc.].

4. Do not abbreviate the titles of periodicals, or use only standard abbreviations, in the list of references.

5. In the case of publications in any language other than English, the original title is to be retained. However, the titles of publications in non-Latin alphabets should be transliterated, and a notation such as “(in Russian)” or “(in Greek, with English abstract)” should be added.

6. *Citation in the text is indicated by numbers in square brackets.* Multiple citations are set with spaces: [25–27, 31]. More detailed citations are set as in following examples: see [12, p. 760] and also [5, Chapter V, p. 233].

Sometimes author’s name(s) can be given along with the reference by number. Then, if reference is made to a publication written by more than two authors, the name of the first author should be used followed by ‘et al.’. However, you should never use ‘et al.’ instead of author’s names in the list of references.

2.6. Footnotes

1. Footnotes should only be used if absolutely essential. In most cases it will be possible to incorporate the information in the text.

2. If used, they should be numbered in the text, indicated by superscript numbers and kept as short as possible.

3. Electronic submission guide

All accepted papers will be processed electronically. To complete the production and final printing of your paper, the publisher will need to receive your manuscript (disk plus 2 paper/hard copies) in the format described below.

3.1. General instructions

1. Papers should be submitted on floppy disk (3 1/2"). *Please do not send the files via email.*

2. Include two hard copies of the printed version of *exactly what is sent on disk.*

3. Note the operating system, software, and version number used to create your disk. Write this information on the disk label or in an accompanying letter.

4. Do not import graphics and table files in your text file. Illustrations and graphics should be formatted in Encapsulated Postscript Format (preferably).

5. Graphics and table files should be submitted separately, numbered on the disk, as referred to in the paper. A hard copy printout of the graphics and tables should be submitted along with the text.

6. Make sure your files are self-contained, i.e., there are no pointers to your system set-up.

7. Check that your files are complete. Include: abstract, text, references (bibliography), footnotes, biographies, photos, tables, figure/table captions, subject and keywords.

8. Package diskettes to protect them in mailing.

9. Please include your postal address and fax number, where proofs of the manuscript can be sent.

For the most accurate and efficient transferral of your manuscript, especially those containing extensive mathematics, use \LaTeX (preferably), \TeX or $\mathcal{A}\mathcal{M}\mathcal{S}\text{-}\text{\TeX}$ programs. Include macros used with files.

Please:

- *do not* use files in a page layout software (Ventura, Quarkexpress, Pagemaker, Frame-maker);
- *do not* send postscript files of the text;
- *do not* send the files via email.

Always include ASCII files of your paper together with the word processor files. The hard copy version and the electronic version must always be identical.

4. Copyright

1. An author, when quoting from someone else's work or when considering reproducing an illustration or table from a book or journal article, should make sure that he is not infringing a copyright.

2. Although in general an author may quote from other published works, he should obtain permission from the holder of the copyright if he wishes to make substantial extracts or to reproduce tables, plates or other illustrations. If the copyright holder is not the author of the quoted or reproduced material, it is recommended that the permission of the author should also be sought.

3. Material in unpublished letters and manuscripts is also protected and must not be published unless permission has been obtained.

4. Submission of a paper will be interpreted as a statement that the author has obtained all the necessary permission.

5. A suitable acknowledgement of any borrowed material must always be made.

6. Upon acceptance of an article by the journal, the author(s) will be asked to transfer the copyright of the article to the publisher. This transfer will ensure the widest possible dissemination of information.

5. Proofs

1. Copy editing of manuscripts is performed by the staff of IOS Press. The author is asked to check the galley proofs for typographical errors and to answer queries from the copy editor.

2. IOS Press, at its discretion, is entitled to recover from the author of any paper or report published in the journal, any cost occasioned by alterations made by the author in the printer's proof other than correction of typesetting errors and essential additions which update information in the paper; the latter preferably as sentences at the end of existing paragraphs or as new paragraphs.

6. Reprints

1. The first author of a contribution to the journal shall be entitled to receive 10 complimentary copies of the issue in which the article in question has appeared.

2. Reprints of articles can be ordered separately. Prices are available upon request from the Publisher, IOS Press, Van Diemenstraat 94, 1013 CN Amsterdam, The Netherlands. Fax: +31 20 620 34 19. Email: editorial@iospress.nl.

7. Submission of manuscripts

Submission of an article is understood to imply that the article is original and unpublished and is not being considered for publication elsewhere.

If the address to which proofs should be sent is different from the correspondence address, authors are kindly requested to indicate this. Both the editor and the publisher should be informed of any changes in either or both of these addresses. Please also supply a direct telephone number and a fax number, if available.

Papers should be submitted to:

Professor *Sushil Jajodia*, Department of Information Systems and Software Systems Engineering, George Mason University, 4400 University Drive, Fairfax, VA 22030-4444, USA

or

Dr. *Jonathan Millen*, The MITRE Corporation, Mail Stop A128, Burlington Road, Bedford, MA 01730, USA.