



<http://www.springer.com/500>

Soft Computing

A Fusion of Foundations, Methodologies and Applications

Editor-in-Chief: A. Di Nola

ISSN: 1432-7643 (print version)

ISSN: 1433-7479 (electronic version)

Journal no. 500

Springer Berlin Heidelberg

Legal requirements

The author(s) guarantee(s) that the manuscript will not be published elsewhere in any language without the consent of the copyright owners, that the rights of third parties will not be violated, and that the publisher will not be held legally responsible should there be any claims for compensation.

Authors wishing to include figures or text passages that have already been published elsewhere are required to obtain permission from the copyright owner(s) and to include evidence that such permission has been granted when submitting their papers. Any material received without such evidence will be assumed to originate from the authors.

Manuscripts must be accompanied by the "Copyright Transfer Statement". The form can be obtained from springeronline.com/journal/00500. Please see page A4 for details relating to copyright.

Open Choice Publication

In addition to the normal publication process (whereby an article is submitted to the journal and access to that article is granted to customers who have purchased a subscription), Springer now provides an alternative publishing option: Springer Open Choice. A Springer Open Choice article receives all the benefits of a regular 'subscription-based' article, but in addition is made available publicly through Springer's online platform SpringerLink. To publish via Springer Open Choice, upon acceptance please visit www.springeronline.com/openchoice to complete the relevant order form and provide the required payment information. Payment must be received in full before publication or articles will be published as regular subscription-model articles. We regret that Springer Open Choice cannot be ordered for published articles.

Editorial procedure

Manuscripts should be submitted in English, in duplicate to the editors-in-chief, the managing editor or to one of the regional editors (for addresses see cover page A2). Please be sure to include your e-mail address and your fax number. The manuscripts and the figures will not normally be returned, unless specifically requested by the authors. Please do not transmit electronic data to the publisher until your manuscript has been reviewed and accepted for publication. Please follow the instructions below.

Manuscript preparation

General remarks

To help you prepare your manuscript, Springer offers a template that can be used with Winword 7 (Windows 95), 97, 2000 and Word for Macintosh. For authors who prefer LaTeX Springer offers the macropackage LaTeX2e document class `svjour`. For details see **Electronic Submission of final version.**

Manuscripts should be typed in double-line spacing throughout on one side of the paper only and with at least 2.5 cm (1 inch) margins.

Title page

The title page should include:

- The name(s) of the author(s)
- A concise and informative title
- The affiliation(s) and address(es) of the author(s)
- The e-mail address, telephone and fax numbers of the communicating author
- Acknowledgements of funding and grants (if any)

A list of **symbols** should follow the abstract if such a list is needed.

Symbols must be written clearly. The numbering of chapters should be in decimal form.

The international system of units (SI units) should be used. In mathematical expressions, the proper hierarchy of parentheses $\{ \{ () \} \}$ is to be observed. Vectors should be denoted by bold face lower case letters, and matrices or tensors by bold face capital letters.

Abstract. Each paper must be preceded by an abstract presenting the most important results and conclusions.

Formulae and symbols

These must be written legibly and will be typeset in italics. They should be written or marked as such in the manuscript unless they require different styling. Please use correct designations for standardized DIN regulations.

Keywords

Three to five Keywords should be supplied after the Abstract for indexing purposes.

Footnotes. *Essential footnotes* to the text should be numbered consecutively and placed at the bottom of the page to which they refer.

Footnotes on the title page are not given reference symbols. Footnotes to the text are numbered consecutively; those to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data).

Introduction. The *Introduction* should state the purpose of the investigation and give a short review of the pertinent literature (max. one printed page).

Acknowledgements. These should be as brief as possible. Any grant that requires acknowledgement should be mentioned. The names of funding organizations should be written in full.

Appendices. If there is more than one appendix, they should be numbered consecutively. Equations in appendices should be designated differently from those in the main body of the paper, e.g. (A1), (A2) etc. In each appendix equations should be numbered separately.

References

The list of References should only include works that are cited in the text and that have been published or accepted for publication. Personal communications should only be mentioned in the text. If available the DOI can be added at the end of the reference in question. Citations in the text should be identified by *numbers in square brackets*, and the list of references at the end of the paper should be both *alphabetized* under the first author's name and numbered. References by the same author or team of authors should be listed in chronological order. Papers which have been accepted for publication should be included in the list of references with the name of the journal and "in press". The author is responsible for the accuracy of the references. Here are a few examples for the style of references:

Journal articles

Grissom LE, Harcke HT (1997) Ultrasonography of nondevelopmental dysplasia of the hips. *Pediatr Radiol* 27: 70–74

Ward J, Robinson PJ (in press) How to detect hepatocellular carcinoma in cirrhosis. *Eur Radiol* DOI 10.1007/s00330-004-1450-y

Books

Larcher W (1995) *Physiological plant ecology*, 3rd edn. Springer, Berlin Heidelberg New York

Multiauthor books

Hovind HJ (1986) Traumatic birth injuries. In: Raimondi AJ, Choux M, Di Rocco C (eds) *Head injuries in the newborn and infant. (Principles of pediatric neurosurgery)* Springer, Berlin Heidelberg New York, pp 87–109

A paper published online but not (yet) in print can be cited using the **Digital Object Identifier (DOI)**. The DOI should be added at the end of the reference in question.

Example:

Ward J, Robinson PJ (2004) How to detect hepatocellular carcinoma in cirrhosis. *Eur Radiol* DOI 10.1007/s00330-004-1450-y

Illustrations and Tables

All figures (photographs, graphs or diagrams) and tables should be cited in the text, and each numbered consecutively throughout. Lowercase letters (a, b etc.) should be used to identify figure parts. If illustrations are supplied with uppercase labeling, lowercase letters will still be used in the figure legends and citations.

For submission of figures in electronic form see below.

Line drawings. Please submit good-quality prints. The inscriptions should be clearly legible. *Half-tone illustrations (black and white and color).* Please submit well-contrasted photographic prints with the top indicated on the back. *Magnification* should be indicated by *scale bars*. *Plates.* Several figures or figure parts should be grouped in a plate on one page.

Size of figures. The figures should either match the width of the column (8.7 cm) or be 13.1 cm or 17.7 cm wide. The maximum length is 24.4 cm.

Figure legends. Figure legends must be brief, self-sufficient explanations of the illustrations. The legends should be placed at the end of the text.

Tables. Tables should have a title and a legend explaining any abbreviation used in that table. Footnotes to tables should be indicated by superscript lower-case letters (or asterisks for significance values and other statistical data).

Color illustrations. For color illustrations the authors will be expected to make a contribution (€ 950 or US \$ 1150, plus VAT) towards the extra costs, irrespective of the number of color figures.

Electronic submission of final version

Please send only the final version of the article, as accepted by the editors.

Preparing your manuscript

The journal accepts either LaTeX or Word documents.

Text

LaTeX

The preferred format is LaTeX.

The electronic version should include the original source (including all style files and figures) and a PostScript version of the compiled submission. Authors who prepare their papers with LaTeX are encouraged to use Springer's global macro package for this journal, available at springeronline.com/journal/500

Word

The template is available:

* via ftp:

Address: <ftp://ftp.springer.de/>

User ID: ftp

Password: your own e-mail address

– Directory: /pub/word/journals

– file names: sv-journ.zip or

sv-journ.doc and sv-journ.dot

* via browser:

– <ftp://ftp.springer.de/pub/Word/journals>

– file names: sv-journ.zip or sv-journ.doc and sv-journ.dot

The zip file should be sent unencoded.

Layout guidelines

1. Use a normal, plain font (e.g., Times Roman) for text.

Other style options:

- for textual emphasis use italic types.
 - for special purposes, such as for mathematical vectors, use boldface type.
2. Use the automatic page numbering function to number the pages.
 3. Do not use field functions.
 4. For indents use tab stops or other commands, not the space bar.
 5. Use the table functions of your word processing program, not spreadsheets, to make tables.
 6. Use the equation editor of your word processing program or MathType for equations.
 7. Place any figure legends or tables at the end of the manuscript.
 8. Submit all figures as separate files and do not integrate them within the text.

Data formats

Save your file in two different formats:

1. RTF (Rich Text Format) or Microsoft Word compatible formats, Figures eps or tiff.
2. pdf (a single pdf file including text, tables and figures). Make sure that all fonts are embedded.

Illustrations

The preferred figure formats are EPS for vector graphics exported from a drawing program and TIFF for halftone illustrations. EPS files must always contain a preview in TIFF of the figure. The file name (one file for each figure) should include the figure number. Figure legends should be included in the text and not in the figure file.

- *Scan resolution:* Scanned line drawings should be digitized with a minimum resolution of 800 dpi relative to the final figure size. For digital halftones, 300 dpi is usually sufficient.
- *Colour illustrations:* Store color illustrations as RGB (8 bits per channel) in TIFF format.
- *Vector graphics:* Fonts used in the vector graphics must be included. Please do not draw with hairlines. The minimum line width is 0.2 mm (i.e., 0.567 pt) relative to the final size.

General information on data delivery

Please send your data, preferably a zip file (text and illustrations in separate files, unencoded) to the Editor in Chief either:

* by e-mail (only suitable for small file sizes)

* or on any of the following media:

- On a diskette [you may use .tar, .zip, .gzip (.gz), .sit, and compress (.Z)]

– On a ZIP cartridge

– On a CD-ROM

In case you have not sent electronic files of your article together with the accepted version, you should send your data, preferably a zip file (text and illustrations in separate files, unencoded) to Springer-Verlag either:

* Via <ftp://ftp.springer.de/> (to our ftp.server;

log-in “anonymous”; password: your e-mail address; further information in the readme file on the server)

* or by e-mail (only suitable for small volumes of data)

Please always supply the following information with your data: journal title, manuscript number, operating system, word processing program, drawing program, image processing program, compression program.

The file name should be memorable (e.g., author name), have no more than 8 characters, and include no accents or special symbols. Use only the extensions that the program assigns automatically.

Proofreading

Proofreading is the responsibility of the author. Corrections should be clear; standard correction marks should be used. Corrections that lead to a change in the page layout should be avoided. The author is entitled to formal corrections only. Substantial changes in content, e.g. new results, corrected values, title and authorship are not allowed without the approval of the responsible editor. In such a case please contact the Editor-in-Chief before returning the proofs to the publisher.

Offprints, Free copy

Orders for offprints can be placed by returning the order form with the corrected proofs. Each author will receive one complimentary copy. All copies are supplied to the communicating author.