## INSTRUCTIONS FOR AUTHORS – Engineering with Computers

1. Legal requirements: The author(s) guarantee(s) that the manuscript will no 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/366.

- 2. 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
- 3. Editorial procedure: Papers must present scientific results that are essentially new. All manuscripts are subject to peer review. Manuscripts should be submitted in English. An electronic submission, including a pdf file of the complete paper, should be sent to Prof. Mark S. Shephard, Director Scientific Computation Research Center, Rensselaer Polytechnic Institute, Troy, New York 12180-3590, USA. Telephone: (518) 276-6795; Fax: (518) 276-4886, E-mail: shephard@scorec.rpi.edu

Please be sure to include your e-mail address and your fax number.

Manuscripts which are returned to the authors for revision should be sent back

within 5 weeks; otherwise they will be considered withdrawn.

Papers that do not conform to the journal norms may be returned to the authors for revision before being considered for publication.

The author is responsible for the accuracy of the references

### 4. 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 details see point 5.

All manuscripts are subject to copy editing.

# 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
- Abstract. Each paper must be preceded by an abstract of not more than 200 words describing the main thrust of the paper.

  • Keywords. Up to 6 keywords should be supplied after the Abstract
- characterising the scope of the paper.
- **Abbreviations** should be defined at first mention in the abstract and again in the main body of the text and used consistently thereafter.
- Funding. Authors are expected to disclose any commercial or other associations that might pose a conflict of interest in connection with submitted associations that might puse a common of merest in common or institutional or corporate affiliations of the authors should be acknowledged.
- 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.

The accuracy of the references is the authors' responsibility. Inconsistencies between the reference list and text citations may lead to a delay in publication. References should be numbered in the order in which they appear in the text and listed in numerical order. Journal titles should be abbreviated according to standard conventions. References with correct punctuation should be styled as follows:

Chapter in a book:

Green G, Black B, Red R (2002) Title of chapter. In Yellow R et al. (eds). Title of book, Publisher, Place of publication, pp 156-165.

Green G (2000) Title of Book. Publisher, Place of publication

Journal Article:
Black B, Red R, Green G (2001) Journal article. Journal name abbreviated Volume No:page numbers.

References such as "personal communications" or "unpublished data" cannot be included in the reference list, but should be mentioned in the text in parentheses: this also applies to papers presented at a meeting but not yet published or accepted for publication. A date should be given for both "personal communications" and "unpublished data".

Papers which have been accepted for publication should be included in the list of

references with the name of the journal and "in press".

Oral communications should only be mentioned in the acknowledgements.

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

Example:

Ward J, Robinson PJ (2004) How to detect hepatocellular carcinoma in cirrhosis. Wald J, Nobilishi 13 (2004) How to detect replaced and a cardinoma in diffusion. 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.

Line drawings. Please submit good-quality prints. The inscriptions should be clearly legible.

Half-tone illustrations (black and white and colour). Please submit well-

contrasted photographic prints with the top indicated on the back.

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 (80mm) or be 110 mm. The maximum length is 230 mm.

Figure legends must be brief, self-sufficient explanations of the illustrations. The

legends should be placed at the end of the text.

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).

For color illustrations the authors will be expected to make a contribution (£308, plus VAT per color page) towards the extra costs.

5. Electronic submission: Please send only the final version of the article, as

accepted by the editors. Text and figures must be sent as separate files.

Technical instructions for preparing your manuscript: Please utilize the Word templates made available to authors. The Word template and a LaTeX journal articles is available http://www.springer.com/sgw/cda/frontpage/0,,3-40049-11-0-0,00.html

Text: The zip file should be sent uuencoded.

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 article.
- 8. Submit all figures as separate files and do not integrate them within the text. Data formats

Save your file in two formats:

- 1. RTF (Rich Text Format) or Microsoft Word compatible formats
- 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.
- -Color illustrations: Store color illustrations as RGB (8 bits per channel) in TIFF
- -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 a zip file (text and illustrations in separate files) to the Editorial

Please always supply the following information with your data: journal title, 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.

6. 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 Editorial Office before returning the proofs to the publisher. **7. Offprints** 

Twenty-five offprints of each contribution are supplied free of charge. If you wish to order additional offprints you must return the order form with the corrected proofs. You are then entitled to receive a pdf file of your article for your own personal use