

INSTRUCTIONS FOR AUTHORS

1 INTRODUCTORY REMARKS

The journal AUTOMATIKA publishes scientific and professional papers in the field of automatic control, measurements, electronics, computing, communications and related areas.

The submitted paper should not have been previously published elsewhere in the same or similar form and may not simultaneously be submitted to another journal for publication. The author is the only one responsible for the contents, data reliability and all the statements in the paper.

The journal publishes: original scientific papers, preliminary communications, reviews and professional papers.

Original scientific papers should report original theoretical or practical research results. The given data must be sufficient in order to enable the experiment to be repeated with all effects described by the author, measurement results or theoretical calculations.

Preliminary communication presents one or more new scientific results but without details that allow the reported data to be checked. The papers of this category inform about experimental research, small research projects or progress reports that are of interest.

Reviews cover the state of art and tendencies in the development of the specific theory, technology and application with given remarks by the author. Such a paper ends with a list of reference literature with all the necessary items in the related field.

Professional papers report on the original design of an instrument, device or equipment not necessarily resulting from the original research. The paper contributes to the application of well known scientific results and to their adaptation for practical use.

The Editorial Board welcomes contributions to the section »From Practice«. The articles of this section are about manufacturing procedures, experiences with specific equipment applications etc.

The author should propose and argument the category of the submitted article.

Papers presented at scientific conferences can also be published in the journal upon the agreement of the conference organizer and the author.

2 WRITING INSTRUCTIONS

Papers, to be published in the journal AUTOMATIKA, should be written in Croatian or in English. Papers written in other languages may also be accepted when in the interest of the journal or profession. The metrology and terminology used in the paper have to meet legal regulations, standards and International System of Units (SI). The paper must be written in the third person singular.

The text of the paper is arranged in sections and when necessary into subsection. Sections are marked with one Arabic numeral and subsections with two Arabic numerals, e.g. 1.1, 1.2, 1.3, When a subsection is arranged in smaller parts, each of them is marked with three Arabic numerals, e.g. 1.3.1, 1.3.2, Further divisions are not allowed.

The text has to be organized in the following order:

- *authors' full names* (without grades and ranks),
- *title of the paper* (not more than 15 words). Papers should be headed by a concise but informative title that clearly reflects the subject of the paper,
- *abstract* (not more than 150 words) written in the language of the paper. It should present a brief and factual account of content and conclusions of the paper, and an indication of the relevance of the new material presented,
- *title and abstract* in English (only when the paper is not in English),
- *title and abstract* in Croatian (only when the paper is not in Croatian). The Editorial Board will arrange the abstract translation into Croatian for authors who are not familiar with the Croatian language.
- *Alphabetic list of keywords* in Croatian and in English. Keywords normally originate from the title and from the abstract.
- *Introduction* should state the reason for the work, with brief reference to previous work on the subject. It informs about the applied method and its advantages.
- *Central part of the paper* may be arranged in sections. Complete mathematical procedures for formula derivations should be avoided. The necessary mathematical descriptions may be given in an appendix. Authors are advised to use examples to illustrate the experimental procedure, applications or algorithms. In general all the theoretical statements have to be experimentally verified.
- In *Conclusions* all the results are stated, and all the advantages of the used method are pointed out. The limitations of the method should be clearly described as well as the application areas.
- *References* should be brought together at the end of the article and numbered in order of their appearance in the text followed by other literature.
- *Authors' full names* (with grades and ranks) followed by the name and address of the institution in which the work was carried out.

A list of used symbols is optional.

3 PREPARATION OF MANUSCRIPT

The volume of the article is limited to approx. 30000 characters. That includes blanks and equivalent number of characters covered by figures and tables. The manuscript incorporates four segments: text, figures (diagrams and photographs), tables and text under figures (subtitles). Each segment is prepared separately.

The text should be sent to the Editorial Board in electronic form. Any word processor may be used. MS Word is preferred. The text has to be aligned left (Justification Left or Off) and hyphenation should be turned off. An empty line is used to separate different sections. Authors

are advised not to change fonts in the text with no attributes like bold, italic etc.

The text is to be sent in *.doc* and *.pdf* format. The text to be printed in bold or italics is to be appropriately marked in the *.pdf* file. The original files if figures and diagrams (e.g. in *.cdr* format) and photographs (e.g. in *.bmp*, *.tif*, *.gif*, *.jpeg* format) are welcome. The author should e-mail the list of the attached files and their content.

Tables are created with the word processing program. Each table should be stored in a separate file without the table title.

Texts under figures and *table titles* are created in the same way as the text in the paper. They are stored in a separate *.doc* file (texts under all figures and all table titles are stored in one file).

The Editorial Board may exceptionally accept papers received only as hardcopies.

Section titles are typed in capital letters and titles of subsections in small letters. Equations are numbered with Arabic numerals in parenthesis at the right margin of the text. In the text an equation is referenced by its number in parenthesis like »... from (7) follows ...«. When reference to literature is made the publication number from the list of references in square brackets is used like »... in [3] the authors showed ...«. In the list of references literature is cited in accordance with the following examples:

– books,

[3] G. F. Franklin, J. D. Powell, M. L. Workman, *Digital Control of Dynamic Systems*. Addison-Wesley Publishing Company, Reading, Massachusetts, 1990.

– papers in journals,

[5] A. N. Michel, J. A. Farrell, *Associative Memories via Artificial Neural Networks*. *IEEE Control Syst. Magazine*, vol. 10, no. 3, pp. 6–17, April 1990.

– papers in conference proceedings

[7] N. C. Albertsen, P. Balling, F. Laursen, *New Low Gain S-Band Satellite Antenna with Suppressed Back Radiation*. Proc. 6th European Microwave Conf., pp. 14-17, Rome, Sept. 1976.

– papers on Internet

[8] R. M. Pinchback, *Teaching with Maple Academic Computing Services*, MIT, USA (<http://web.mit.edu/afs/athena.mit.edu/software/maple/www/article-ins-v5i3.html>; accessed 12 Jan. 2003).

Latin or Greek characters in italics are used for physical symbols and normal characters for measuring units and numerical values in the text as well as in *figures*. Text in figures is also written with normal letters. Character size is to be chosen on the basis of the following criteria: after expected figure size reduction a capital Latin character should be about 2 mm high.

Figures are to be created in black and white technique.

4 CONCLUDING REMARKS

Paper manuscripts, prepared in accordance with this Instructions for authors, are to be submitted to the Editorial Board of the AUTOMATIKA journal by e-mail to the address: korema@fer.hr. When being prepared for printing the text may undergo small alterations by the Editorial Board. Papers not prepared in accordance with these Instructions shall be returned to the first author. When there are several authors the first author is to be contacted. The Editorial Board shall accept the statements made by the first author.

Each author is required to enclose a photo and a short professional biography.