

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.

Upon its acceptance the article is categorized as follows: original scientific paper, preliminary communication, review and professional paper.

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 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« that are published with no categorization. The articles of this section are about manufacturing procedures, experiences with specific equipment applications etc.

The author should propose and argue 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 stored on a disk in PC format. Any word processor may be used. Word for Windows 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 to be printed in bold or italics is to be underlined on the hardcopy with straight or wave-like line respectively. The disk must be labelled with files names and the word processing package.

Three hardcopies of the text are to be sent together with the disk. The text is to be printed on one side of the A4 paper format with double line spacing (approx. 30 lines on the page) and with 3 cm margins on the left and on the right. The text to be printed in bold or italics is to be marked on all three copies of the text.

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 use 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. Powel, 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 Neura 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>)

The pages of the hardcopy should be numbered with Arabic numerals.

Figures (diagrams and photographs) should be submitted in original and two copies. The Editorial Board encourages the authors to submit figures stored on a disk using any software for graphical design. CorelDraw format is preferred. Each figure is to be stored in a separate file. The disk should be labeled with file list and program package used for creating figures.

The figure original should be of the double size in reference to the size expected to appear in the paper. Taking into account the figure size reduction 0.5 mm full lines, 0.3 mm dashed lines and 0.2 mm auxiliary lines should be used. Latin or Greek characters in italics are used for physical symbols and normal characters for measuring units and numerical values. 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. Colored figures are not accepted. The figure number should be indicated with pencil on the black side. The position of the figure in the text should be marked on the hardcopy left margin. The position of the figure 3 for example is marked with »fig. 3«. This mark may be handwritten.

Tables are created with the word processing program. Each table should be stored in a separate file without the table title. Three hardcopies of tables are to be submitted too. The position of the table in the text is marked in the same way like figure position. The »tb. 2« mark on the left margin indicates the table 2 position.

Texts under figures and table titles are created in the same way as the text in the paper. They are stored in a separate file on the disk (texts under all figures and all table titles are stored in one file). Three hardcopies should be submitted separately from figures.

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. Manuscripts are not returned to authors. 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.