

FINSIG'01 Author Instructions

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ABSTRACT

This document is the authors' instructions for preparing and submitting the final papers for the 2001 Finnish Signal Processing Symposium (FINSIG'01). Please, follow these instructions as closely as possible. When preparing the paper, your task is to follow the layout and style of this instruction paper as well as possible in every aspect. The abstract of the paper is to have maximum of 150 words. Please leave two blank lines after the abstract.

1. INTRODUCTION

The Proceedings of FINSIG'01 will be CD-ROM Proceedings, only. When creating the final printable paper, please give due consideration to the format of the proceedings. The CD-ROM Proceedings of FINSIG'01 will consist of printable FINSIG'01 papers in portable document format. Page numbers will be inserted by the FINSIG'01 organizers when preparing the CD-ROM, authors are asked not to insert page numbers.

At least one author for each paper is required to register to FINSIG'01, pay the registration fee, and present his/her paper at FINSIG'01.

This instruction paper is organized as follows: In section 2, instructions concerning the final papers are given. In section 3, submission instructions are given, and section 4 concludes the instruction paper.

2. FINAL PAPER INSTRUCTIONS

Please adhere to the guidelines below to maintain uniformity in the FINSIG'01 Proceedings. Your task is to follow these instructions and simulate the looks of this instruction paper as closely as possible.

2.1. General Instructions

All text must be written in *English*, which is the official language of FINSIG'01.

Length of your final printable paper is limited to four (4) A4-size pages. Longer papers will not be accepted. The final papers are to be submitted preferably in portable document format (as .pdf files), but if this is not possible, submissions in postscript form (as .ps files) are also acceptable. The organizers will convert your .ps files into .pdf files for the Proceedings.

Please, use colors in figures and tables, and even in text if appropriate. Using color will greatly increase the readability of the paper, for example, lines in figures can easily be identified by the same color in figure caption, c.f. Fig. 1. The colored objects must be designed so that they look good also if printed with black and white printers. Therefore, it is suggested that, for example, lines in the figures are identified by both colors and line types.

Use fonts with care. Do not use any special font packages or language dependent encoding, and constrain yourself to the most common fonts available. Remember, that this also holds for the text in figures. Do not embed any fonts into the .ps or .pdf files since this tends to greatly increase the file size, unless it is absolutely necessary for you to use some special fonts, in which case it is mandatory to embed those fonts. The organizers may change non-printing problematic fonts if that can be done easily and without harming the paper, otherwise, you will be asked to provide a new version of the paper.

2.2. Layout Specifications

All papers must be written using single line spacing, and in two-column format with page size set to A4. The size of an A4 page is approximately 21 cm by 29.7 cm, i.e., approximately 8.26" by 11.96". The space between the two columns is 5 mm. The left and right margins of the paper are to be set to 2 cm, and top and bottom margins to 2.5 cm. Thus, column width is 8.24 cm. Do not add any text (e.g., no page numbers or headers) on the margins of your paper. It is recommended that you hyphenate the text.

2.3. Style Instructions

Type size for all the text is 10 points, except for paper title, authors' names, and references. Times Roman is the preferred font throughout the paper. Do not overcrowd and create an unreadable paper by decreasing the line spacing or by leaving out blank lines. Leave a blank line between paragraphs. The paragraphs are justified but not indented.

2.3.1. Paper Title

Paper title is to appear in size 18 points, boldface letters with the first letters of the words capitalized, centered across the top of the two columns on the first page as indicated. Paper title should not include abbreviations, unless the abbreviation is extremely well known.

2.3.2. Authors' Names and Affiliations

Authors' names and affiliations appear below the title in 12 point capital and lower case letters. The authors' names are in italics, punctuated as in this instruction paper, except that there is no comma before "and" if there are only two authors. You should include at least the mailing and e-mail addresses in contact information. Phone and fax numbers, and URLs may also be given. Please do leave a blank line between the title and the authors' names, between the authors' names and the affiliations, and two between the contact information and the start of the text.

2.3.3. Abstract

Each paper includes an abstract of maximum of 150 words that appears in the beginning of the paper. The abstract consists of only text, and it should contain only one paragraph. In the final paper, the abstract is italicized as in this paper. There are no equations, graphics, or references in the abstract.

Please remember that the abstract is an advertisement for you paper, based on which the paper is either read or forgotten.

2.3.4. Major Headings

Major headings appear in 10-point capital boldface letters, centered in the column. Use the decimal numbering system in the headings, except for the headings of sections abstract, acknowledgment, and references, which are not numbered. Use one blank line before and after each major heading. Examples of the various levels of headings can be seen in this instruction paper.

2.3.5. Secondary and Tertiary Headings

Secondary headings appear in 10-point capital and lower case, boldface letters. Tertiary headings appear in italics

in capital and lower case letters. They both start at the left margin, and have one blank line both before and after them. Use of lower level headings is discouraged.

2.3.6. Abbreviations and Footnotes

Define abbreviations and acronyms the first time they are used in the text, for example like this: This paper discusses finite impulse response (FIR) filters. Please, avoid footnotes.

2.3.7. Equations

The equations are to be centered with respect to the column. Within the margins, equations may span both columns is necessary. Number equations consecutively with equation numbers in parentheses flush with the right margin of the column, as in (1). Define all the symbols used in your equations before or immediately after the equation, at least the first time you use each symbol. Here is an example: The frequency response of an N th-order FIR filter can be expressed as

$$H(e^{j\omega}) = \sum_{n=0}^N h(n)e^{-j\omega T}, \quad (1)$$

where $h(n)$, $n = 0, 1, 2, \dots, N$, are coefficients of the FIR filter of length N , $\omega = 2\pi f$ is angular frequency with frequency f in Hertz, and T is sampling interval. Use the same letter size in equations as in the normal text. There is a blank line both before and after an equation. Please, observe also the italicization of symbols.

2.3.8. References

List and number all references at the end of the paper. References appear in point size 8. Give all authors' names, i.e., do not use *et al.* in the reference list, unless there are more than six authors. Capitalize only the first letter of the first word in a paper title. List and number the references in the order they first appear in the text. When referring to them in the text, type the corresponding reference number in square brackets, like here [1].

Examples of how to refer to a book [1], to an article or chapter in a book [2], to a journal article [3], and to a conference paper [4], are given in the reference list of this instruction paper. Also given are examples for referring to a still unpublished conference paper that has been accepted for publication [5], and to WWW pages [6,7]. Please give due consideration to the credibility and availability of your references. For matters that are not discussed in these instructions or cannot otherwise be observed from this document, you may also consult [8].

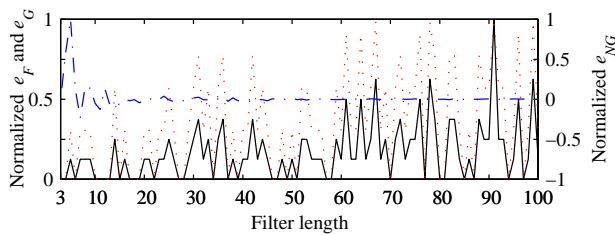


Fig. 1. Normalized magnitude response (solid), group delay (dotted) and noise gain (dash-dot) errors, e_F , e_G , and e_{NG} , respectively.

2.3.9. Figures

All illustrations, photos, diagrams, graphs, etc., are considered figures. Use notation “Fig. 1” to refer to figures in text. Figures must appear within the designated margins. If possible, position figures at the tops of columns, rather than in the middle or at the bottom. Caption and number every figure. The figure labels and numbers are written in boldface, and the captions are justified, c.f. Fig. 1. Please leave one blank line before each figure, and after each figure caption. Please make sure that all the text in figures is clearly readable both on screen and if printed with either color or black and white printers. For examples, see Figs. 1 and 2.

2.3.10. Tables

Place numbering and captions of the tables directly above the tables, c.f. Table 1. Please, use colors also in tables. Leave one blank line above the table caption and below the table. Justify the table captions.

Table 1. Achieved mean square errors (MSE) and maximum errors (Max.) for the tests 1, 2, 3, and 4.

	Test 1	Test 2	Test 3	Test 4
MSE	5	3	6	8
Max.	9	1	4	7

3. SUBMISSION INSTRUCTIONS

3.1. Final Paper

The final paper is submitted as a .pdf or .ps file. No other file formats are accepted. Include the paper number in the file name, e.g., paper_123.ps or paper_123.pdf.

3.2. Submission Method and E-mail Address

The final papers are submitted as e-mail attachments. E-mail the final papers to tanskane@wooster.hut.fi. You should receive an acknowledgment e-mail within two working days after the organizers have received your final paper submission. The maximum size of the submission e-mail is 8 MB, this limitation is strict. Please mention the paper number on the e-mail subject line.

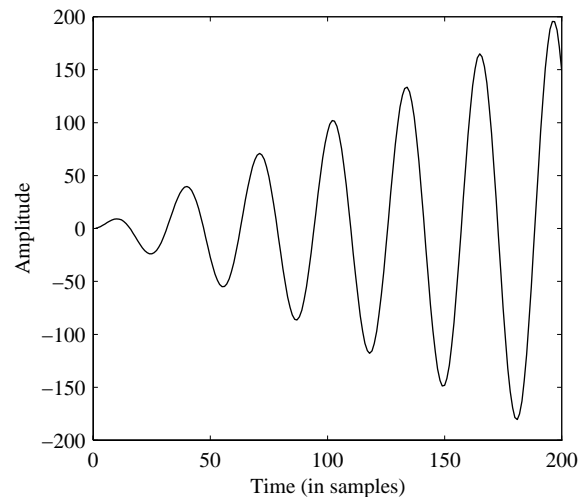


Fig. 2. A wave presented as a function of time.

3.3. Deadline of the Final Paper

The strict deadline for the final papers is May 7, 2001.

3.4. Registration and Fees

Registration Form of at least one author must be filled in and e-mailed in the same e-mail with the final paper. Registration fee of the author, whose registration is e-mailed with the final paper, must be paid by May 7, 2001. Payment instructions are on the registration form.

3.5 Copyright Forms

One Copyright Form for each paper is to be filled in, printed out on paper, dated, and signed, and mailed in an ordinary letter to: *Jarno Tanskanen/FINSIG'01, Helsinki University of Technology, P.O. Box 3000, FIN-02015 HUT, FINLAND*. Mail the Copyright Form by May 7, 2001. Copyright Forms cannot be sent via e-mail. Papers, whose Copyright Forms are not received by the organizers, cannot be included into the Proceedings. Therefore, please, fill in, print out, date, sign, and mail the copyright form now, or at your earliest convenience.

3.6. Contact E-mail for Questions

If you have any questions regarding these instructions, please send e-mail to jarno.tanskanen@hut.fi. Please, note that this e-mail address is not to be used for submitting the final papers. For the e-mail address for submitting the final papers, please see section 3.2.

4. PRESENTATIONS

All papers will be presented in oral sessions. Length of each presentation is strictly limited to 20 minutes, which includes discussions. It is strongly advised, that you design your speech to last for maximum of 15 minutes, leaving 5 minutes for discussion.

The presentation room will be equipped with an overhead projector, and with a PC and a PC projector.

5. CONCLUSIONS

In this paper, instructions for preparing and submitting final papers for FINSIG'01 are given. This paper serves also as an illustrative example for the layout and style of the final papers. Remember that a good paper always contains a concluding section that highlights the most important aspects of the paper one more time.

It can be concluded that we will enjoy a very fruitful FINSIG'01.

ACKNOWLEDGMENT

FINSIG'01 organizers wish to sincerely thank all the authors for the great contributions that will make FINSIG'01 a most fruitful scientific event. Authors are also thanked for having strictly followed these instructions, providing for the great uniformity throughout the FINSIG'01 CD-ROM Proceedings.

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