

FINAL PAPER INSTRUCTIONS FOR AUTHORS

Author 1 name	Author 2 name
Organisation	Organisation
City, Country	City, Country

ABSTRACT

This paper contains information for preparing the **final camera-ready paper** for the PIMRC'06 conference to be held on September 11–14, 2006 in Helsinki, Finland. This paper also provides an example how the paper title and section headings should look like. Authors are expected to follow these instructions. In addition to producing good-looking papers they also ensure a uniform look for the papers in the proceedings.

NOTE that templates have been changed slightly from the first paper submission: i) IEEE CCC information is added to the lower left corner of the first page, ii) column width and side margins have been changed to correspond the IEEE papers, which means that more text can be involved into the papers.

This file **gives guidelines for the preparation of the final PDF version of the paper**. Please follow the instructions in order to ensure that the paper can be published in the IEEE Xplore.

I. INTRODUCTION

Each paper can have at most 5 printed two-column pages in the proceedings. Over length papers are due to extra charges.

The maximum file size is 5Mb.

The conference organizers have prepared sample latex class-file (pimrc.cls) and MSWord doc-file (pimrc.doc), which should be followed.

II. GENERAL

It is desired that authors will use writing styles that are commonly used in the literature, e.g., IEEE type style used in IEEE Transactions on Signal Processing, which is quite closely followed here. Font size should not be smaller than 10 pt, which is the desired size. Line separation should be the font size plus 2 pt, which is regular practice. Fonts can be any regularly used type, e.g., times, times new roman and cmr are all right.

There should not be page numbers in footers or headers and the left header should contain the conference name "The 17th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'06)" at 9 pt size.

The lower left corner of the first page of the paper has to include IEEE CCC number at 9pt. The number is 1-4244-0330-8/06/\$20.00©2006IEEE.

III. MARGINS

Paper size is A4 (297 × 210 mm). The margins and other strategic information are presented in Table 1.

Table 1: Margins, text width, etc. definitions.

size	object
15 mm	left and right margin
15 mm	top margin (includes the header)
10 mm	header and text separation
27 mm	foot margin
180 mm	text width
88 mm	column width
4 mm	column separation
240 mm	text height
10 pt	normal font size
9 pt	header/footer font size
14 pt	document title font size
8 pt	reference list font size

IV. TITLE AND HEADINGS

A. Paper Title

The paper title should be centred and capitalized at 14 pt font size. The author name(s), affiliations and countries (no phone or e-mail information) should be centred below the paper title. These should be in regular size.

B. Section Numbers

Primary section headings should be centred and enumerated by Roman numerals. Secondary headings are flush left and enumerated by using capital letters. Tertiary headings are indented and enumerated by Arabic numerals followed by a parenthesis. Lower level headings should not be used.

1) Section Fonts

All section headings should be written using the normal font size. Primary section headings should be written using LARGE AND SMALL CAPS, while all the rest headings are italicized.

V. EQUATIONS

Equations should be centred and numbered in parenthesis onto right hand side like

$$x(t) = \int_a^b t \sin qt dt. \quad (1)$$

References to equations should be done using equation numbers, e.g., 'In (1) t means time and q is a constant'. Mathematical variables should be written in italics whereas functions as regular text.



Figure 1: An example.

VI. REFERENCES

References to figures and tables should be done as Fig. 1 and Table 1, respectively.

The literature reference list should be made as in IEEE transactions using either full names or official abbreviations. The font size is 8 pt line spacing being 9.5 pt (thus reducing the size of the list). The references should be numbered in the order of appearance. In text, reference numbers are enclosed by square brackets, e.g., 'In [1, 2, 3]'.

VII. FIGURES AND TABLES

Captions should be above tables and below figures. Tables, figures and their captions should be centred. Clarity is the key point in figures and tables. An example figure is Fig. 1.

VIII. FINAL PDF-FORM GENERATION

The papers have to be delivered in the IEEE Xplore compliant PDF form! It is very important to produce such files since the papers are delivered to IEEE Xplore, which accepts only papers that satisfy certain rules. You have two possibilities.

A. Create PDF Yourself

If you create the PDF on your own, please follow the guidelines set in the IEEE web page

<http://www.ieee.org/portal/pages/pubs/confpubcenter/index.html>.

The pages include, e.g., job settings for Acrobat Distiller and describe how fonts can be checked. Important is that all fonts are *embedded subsets* and preferably *Type 1* fonts. This is required since otherwise all fonts may not be shown in all systems (and we definitely want that all readers can read our documents, do we?) and fonts may not be so nice.

If you create the PDF-file on your own you *has to use the web page in the following subsection to check is your file IEEE compliant or not.*

B. PDF File Generation Web Page

THE RECOMMENDED WAY TO PRODUCE PDF-FILES IS AS FOLLOWS.

PIMRC'06 organizers have have been arranged with IEEE a web page that can do conversion to IEEE Xplore compliant PDF form from many formats like doc and dvi files. The address is

<http://216.228.1.34/pdfexpress/log.asp>

The needed conference ID is **pimrc06**. The site is open until June 30. Note that the site is used to generate (and check) PDFs, not to collect them. The collection is done through the conference organizers' web page.

Please, spare some time for the conversion and possible actions it may require. The site warns that it may take a few work days, however, usually it is rather fast.

You may use this page also to *check is the self converted paper IEEE Xplore compliant or not*. In the latter case the website will give you instructions for correcting your file.

IX. INSTRUCTIONS TO USE THE WEB PAGE

PIMRC 2006 has registered for use of a new IEEE tool: IEEE PDF eXpress. The new IEEE Xplore Requirements for PDF will be enforced as of 2005. All conference articles submitted for inclusion in IEEE Xplore must adhere to the IEEE Xplore PDF specification for compatibility. IEEE PDF eXpress is a free service to IEEE conferences, allowing their authors to make IEEE Xplore-compatible PDFs (Conversion function) or to check PDFs that authors have made themselves for IEEE Xplore compatibility (PDF Check function).

Steps for submission:

1. Create your manuscript(s)
2. Proofread and check layout of manuscript (it is highly recommended that you do this BEFORE going to IEEE PDF eXpress.)
3. Create IEEE PDF eXpress account
4. Upload source file(s) for Conversion; and/or PDF(s) for Checking
5. Use IEEE PDF eXpress to attain IEEE Xplore-compatible PDF(s). The site contains extensive instructions, resources, helpful hints, and access to technical support.
6. Submit final, IEEE Xplore-compatible PDF(s) following the conference organizers' instructions. The deadline for the final paper submission is 23 June 2006.

IEEE PDF eXpress will be available when acceptance mails have been sent and will be open until June 30.

A. More Detailed Instructions

Once you go to the web page you have three possibilities to process

- First-time users:
 - a) Click "New Users - Click Here".
 - b) Enter pimrc06 for the Conference ID, your e-mail address, and choose a new password. Continue to enter information as prompted.
 - c) You will receive online and e-mail confirmation of successful account setup.
- Previous users, but using it the first time for a new conference:

- a) Enter pimrc06 for the Conference ID, your e-mail address, and enter the password you used for your old account.
 - b) When you click "Login", you'll receive an error saying you need to set up an account. Simply click "Continue". By entering your previously used e-mail address and password combination, you will enable your old account for access to this new conference.
 - c) Check that the contact information is still valid, and click "Submit".
 - d) You will receive online and e-mail confirmation of successful account setup.
- Returning users:
 - a) Enter pimrc06 for the Conference ID, e-mail address and password.

Once you are in, then proceed as follows:

1. For each conference paper, click "Create New Title".
2. Enter identifying text for the paper (title is recommended but not required).
3. Click "Submit PDF for Checking" or "Submit Source Files for Conversion".
4. Indicate platform, source file type (if applicable), click Browse and navigate to file, and click "Upload File". You will receive online and e-mail confirmation of successful upload.
5. You will receive an e-mail with your Checked PDF or IEEE PDF eXpress-converted PDF attached. If you submitted a PDF for Checking, the e-mail will show if your file passed or failed.
 - If the PDF submitted fails the PDF check, then do one of the following:
 - i) Submit your source file for conversion by clicking "Try again", then "Submit Source Files for Conversion".
 - ii) Read the PDF Check report, then click "The PDF Check Report" in the sidebar to get information on possible solutions.
 - iii) "Request Technical Help" through your account.
 - If you are not satisfied with the IEEE PDF eXpress-converted PDF then do one of the following:
 - i) Resubmit your source file with corrections ("Try again", then "Submit Source Files for Conversion").
 - ii) Submit a PDF by clicking "Try again", then "Submit PDF for Checking".
 - iii) "Request a Manual Conversion" through your account.

- If the PDF submitted passed the PDF Check, or you are satisfied with your IEEE PDF eXpress-converted PDF:

- i) Submit your IEEE Xplore-compatible PDF according the conference's instructions.

B. Further Information

IEEE PDF eXpress converts the following file types to PDF:

Rich Text Format Freelance

(La)TeX (DVI and all support files required)*

PageMaker

FrameMaker

QuarkXpress*

Word Pro

Microsoft Word

WordPerfect

*For documents created in formats that do not embed source files, include all support files with the final manuscript in a folder. Put this folder in a compressed archive for submission. If it is possible to embed images in the source document, you should do so to avoid potential issues, such as missing graphics.

IMPORTANT NOTE FOR L^AT_EX USERS: A DVI (DeVice Independent file) is required for L^AT_EX conversions, in addition to all associated image files (i.e., make a zip-file that contains the dvi file and all the figure files). Make sure that your L^AT_EX system can output a DVI, otherwise it cannot be converted. Be sure also to check that your images are properly referenced, and that DVI can handle the image file types used (DVI does not handle some newer image types, such as *.png).

X. HINTS FOR L^AT_EX USERS

Abstract was formed using `\{section}*` command.

Reference list may be written in smaller fonts by using `\footnotesize`-command before the list call `\bibliography{your bib-file}` (if BibTeX is used).

Type 1 fonts result if dvips -Pwww is used to produce the ps-file.

REFERENCES

- [1] J. Abel. A divide and conquer approach to least- squares estimation. *IEEE Transactions on Aerospace and Electronic Systems*, 26(2):423–427, March 1990.
- [2] P. Adry and M. Dempster. *Introduction to Optimisation Methods*. Chapman and Hall Ltd, London, 1974.
- [3] M. Haardt and E. Markus. Unitary ESPRIT: How to exploit additional information inherent in the rotational invariance structure. In *Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing*, volume 4, pages IV229–IV232, 1994.