Author's Guide
International Conference
Control of Oscillations and Chaos (COC'97)

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Abstract

This document provides instructions for preparing a paper for Proceedings of the International Conference on Control of Oscillations and Chaos. Two volumes of proceedings are planned which will be available on-site by the registration at the beginning of the conference. Since the proceedings will be printed by photo-offset from the original prepared by you, it is imperative that the margins and style described in this guide be adhered to carefully. Our guidelines basically follow those adapted for IEEE CDC publications. In particular, we used the instruction written by C.B. Shrader for 35th IEEE Conference on Decision and Control (December, 1996). The guidelines detailed in this document will enable the Conference to maintain uniformity in the proceedings and to avoid additional publication charges. This document describes the preparation of exact size manuscripts. To ensure high-quality proceedings readability of your original manuscript is of paramount importance.

1 Manuscript Submission

Authors submit their manuscripts to the National Organizing Committee along with the required forms (**The IEEE Copyright form, The COC'97 Registration form, The Hotel Reservation form**). **Two copies** of the camera-ready original of your paper must be sent by post, not fax, at the address given below. Your manuscript must be received by **June 15, 1997**. The address is:

Prof. A.L. Fradkov
COC'97 Organizing Committee
The Institute for Problems of Mechanical Engineering
61 Bolshoy V.O.
St.Petersburg 199178, Russia

In no circumstances should your paper or even any part of it be sent in electronic form.

International participants should take into account that the state post service is very slow in Russia (e.g., it takes about month to deliver a letter from USA to St.Petersburg), so commercial post services, such as Federal Express or Euroletter are recommended.

2 General Specifications

2.1 Important Information

1. You need to submit a camera-ready manuscript using a high quality printer on exact size A4 (210 mm by 297 mm) white paper, using one side of a sheet. A high quality, 300 dpi or more, laser-printed manuscript is preferable.
2. Those participants who will deliver a Plenary or Semi-Plenary Lecture should submit a full-size paper of six (6) pages, four (4) pages are allowed for each Regular Paper and each Poster Paper is allotted a short paper of two (2) pages in the proceedings. Each manuscript must follow this rule. Authors with multiple submissions must apply these guidelines to each manuscript separately. Up to three additional pages will be permitted for a charge of 80 US Dollars for each additional page.
3. The deadline for receipt of your camera-ready manuscript by the Organizing Committee is **June 15, 1997**. Papers received after the deadline, or without the necessary forms, may not be included in the proceedings.
4. Be sure to fill out, and send with your manuscript, the IEEE Copyright Form.
5. The title and authorship of your paper will appear in the final program, in the table of contents,

and author index of the proceedings as they are shown in your manuscript submitted to the Organizing Committee.

6. When mailing your manuscript to the Organizing Committee, make sure to include your complete mailing address and type of your report (Plenary, Regular or Poster) on the **outside** of the envelope.

2.2 Preparation of Exact Size Manuscripts

Your paper must be printed actual size (i.e., exactly how it is to appear in the proceedings) in two columns. As part of the printing process your document will be photographed. To ensure that this can be done with one camera setting for all papers, and to ensure uniformity of appearance for the proceedings, the papers should conform to the following specifications. If your paper deviates significantly from these specifications, the printer may not be able to include your paper in the proceedings. It is highly recommended to use LaTeX in preparing and formatting your manuscript (see below).

On the first page, the distance from the top edge of the paper to the top of the first line of type (i.e., the title) should be **30 mm**. On the second, and subsequent pages, the distance from the top edge of the paper to the top of the first line of type should be **26 mm**. The text should be centered left-to-right on the page, i.e., left and right margins should be the same (**16 mm**). The width of each column should be **84 mm**. The distance between the two columns of text should be **10 mm**. On the first page, the distance from the bottom edge of the paper to the bottom of the last line of type on the page should be no less than **30 mm**. On the second and subsequent pages, the distance from the bottom edge of the paper to the bottom of the last line of type on the page should be no less than **26 mm**. This allows room for the printer to insert the copyright notice on the first page and page numbers.

2.3 Required Font Sizes

The Conference **requires** a font size of 10 points or greater. Some technical formatting programs print mathematical formulas in italic type, with subscripts and superscripts in a slightly smaller font size. This is acceptable. For the main body of the text the 10 point size roman font should be used.

2.4 Title

The title should be centered across the top of the first page. The 22 point size bold font is recommended.

2.5 Authors' Names and Addresses

The authors' names and addresses should be centered below the title. The 14 point size roman font is recommended. Please include your e-mail address. For multiauthored papers names and addresses can be placed either side by side, or one under another. Please do not put addresses in footnotes.

2.6 Paragraphs

Do not indent the initial lines of paragraphs. Leave a line clear between paragraphs.

2.7 References

References should be numbered consecutively throughout the paper and be listed at the end of the paper with the main heading **References**. When citing references in the text, type the corresponding number in square brackets [1]. References should be complete and in standard IEEE style. See the section **References** for examples of listing different kinds of publications [1]–[4].

2.8 Equations

Equations have to be numbered consecutively with the number in parenthesis, flush to the right. E.g., see the equation (1)

$$\sigma(t) = \sigma_0(t) - \int_0^T \gamma(t-s)u(s)\,ds. \tag{1}$$

2.9 Theorems, Lemmas, Remarks, Definitions and so on

The body of a theorem, or a similar statement, can be typed either in roman, or in italic font. When using LaTeX employ the `\newtheorem` command. E.g.,

Lemma 1 *Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma. Body of the lemma.*

For proofs the following style is recommended:

Proof: Body of the proof. Body of the proof. Body of the proof. Body of the proof. Body of the proof. Body of the proof. Body of the proof. Body of the proof. Body of the proof. ■

When using LaTeX, the **proof** environment, defined in the style file **cdcarta4.sty** can be applied.

2.10 Illustrations

Only simple line drawings and graphs are allowed. Halftone illustrations (pictures) and photographs are not acceptable. Do not supply Xerox copies. For the best reproduction and handling of illustrations, we prefer that they be included in your wordprocessor file or that the original be pasted. Many wordprocessors allow the insertion of figures from a drawing program or the insertion of a scanned image. For pasting of original illustrations use glue such as a glue stick. Please do not use clear tape. Do not use poor photostats, ozalids, blueprints, hectos, Xerox, etc., for the drawings,

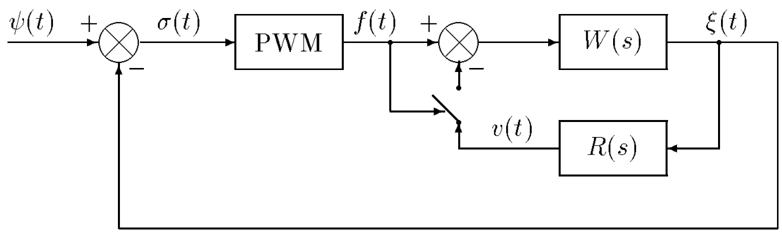

Figure 2: Two-columns sample picture

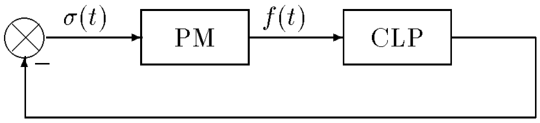

Figure 1: One-column sample picture

illustrations, or charts, since shades of blue, green, and brown do not photograph successfully. Figures should be inserted near their citation or at the end of the manuscript, after References. Large figures may extend over two columns if necessary. Make sure that you number and include a caption for each figure. See Fig. 1 and Fig. 2 for examples.

2.11 Tables

Table heading, including the number, is to be typed above the table. See, e.g.,

Table 1: Caption text

Title 1	Title 2	Title 3
Row 1, Col 1	Row 1, Col 2	Row 1, Col 3
Row 2, Col 1	Row 2, Col 2	Row 2, Col 3
Row 3, Col 1	Row 3, Col 2	Row 3, Col 3

2.12 Footnotes

Footnotes should be avoided. Authors' addresses have to be placed after the authors' names below the title of the paper. Information about any financial support should be placed in the subsection **Acknowledgements** at the end of your paper.

2.13 Page Numbers, Session Number, Copyright Information and Conference Identifications

These will be inserted later by the proceedings printer. The name of the author and page number should be written on the reverse of each sheet, using light pencil.

3 Headings

Main headings are to be column centered in a bold font. They may be numbered, if so desired.

3.1 Subheadings

Subheadings should be in a bold font. They should start at the left-hand margin on a separate line.

3.1.1 Sub-subheadings: They are to be in a bold font, should be indented and run in at the beginning of the paragraph.

4 Recommendations for Preparing Camera-ready Paper Originals for Printing

1) Copy should be clean, dark, and readable. Authors are encouraged to use a laser printer, preferably 300 dpi or higher.

2) Avoid paste ups where possible. If you must affix an illustration, table, or graphic, use a glue stick (do not use tape).

3) Do not submit overlays or negatives. These should be converted to a paper original by you. Also, copies from a fax machine do not reproduce as well as the original.

4) Do not write side notes or print page numbers on the originals. Notes and page numbers are to be placed on the back side using pencil.

5) Do not double space your text.

6) Do not fold or bend your originals, if possible, in mailing or shipping. If possible, use cardboard stiffeners to protect your manuscript when mailing to the printer.

5 Hints for LaTeX Users

It is highly recommended that your manuscript should be prepared using LaTeX document preparation system. LaTeX users have to employ a style file **cdcarta4.sty** which is available from COC'97 home page **http://www.ipme.ru/coc97.html**, or can be sent by e-mail on your request (please apply **coc97@ccs.ipme.ru**). The employment of this style for our conference was kindly permitted by its author Silvano Balemi. (However, all the questions concerning the style have to be sent to the Organizing Committee, but not to the author.) The LaTeX file, containing this instruction, is partly given in Appendix and can serve as a specimen.

6 Conclusions

Please make an extra effort to follow these guidelines as the quality of the publications depends on you. Thank you for your cooperation and contribution. We look forward to seeing you at our conference in St.Petersburg.

Acknowledgements
This subsection can be used to acknowledge any kind of support to your paper (e.g., you can mention your grants).

References

[1] A.Kh. Gelig, G.A. Leonov, and V.A. Yakubovich, *Stability of Nonlinear Systems with a Nonunique Equilibrium*, Moscow: Nauka, 1978 (Russian).

[2] A.L. Fradkov, "Synthesis of an adaptive system of linear plant stabilization," Avtomat. i Telemekh., no. 12, pp. 96–103, 1974 (Russian).

[3] M.Yu. Churilova, "Conditions for stabilization of nonlinear systems by harmonic external action," *Automat. Remote Contr.*, vol. 55, pp. 356–360, 1994.

[4] A.Kh. Gelig and A.N. Churilov, "Frequency-domain criteria for absolute stability of nonlinear systems with various types of pulse modulation," *Proceedings of the third European Control Conference ECC 95*, Roma, Italy, September 1995, vol. 3, pp. 2251–2255.

Appendix

Below you find a shortened version of these instructions written in LaTeX.

```
\documentstyle{cdcartA4}
\begin{document}
\bibliographystyle{unsrt}
\pagestyle{empty}
\newtheorem{lemma}{Lemma}
\newtheorem{thm}{Theorem}
\newtheorem{claim}{Claim}
\newtheorem{Ass}{Assumption}
\newtheorem{prop}{Proposition}
\newtheorem{obs}{Observation}

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}
\date{}
\maketitle
\thispagestyle{empty}

\begin{abstract}
.......................................

\end{abstract}

\section{Manuscript Submission}

Authors submit their manuscripts to the
National Organizing Committee along with
the required forms.  Your manuscript must
be received by {\bf June 1, 1997}.
..........................................

\subsection{References} References should be
numbered consecutively throughout the paper
and be listed at the end of the papere with
the main heading {\bf References}.
When citing references in the text,
type the corresponding number in square
brackets \cite{1}. References should be
complete and in standard IEEE style.
See the section {\bf References} for examples
of listing different kinds of publications
\cite{1}--\cite{4}.

\subsection{Equations}
Equations have to be numbered consecutively
with the number in parenthesis,
```

```
flush to the right. E.g., see
the equation~(\ref{E1})
\begin{equation}                \label{E1}
\sigma(t)=\sigma_0(t)-\int_0^T \gamma(t-s)
u(s)\,ds.
\end{equation}

\subsection{Theorems, Lemmas, Remarks,
Definitions and so on}
The body of the theorem, or of a similar
statement, can be typed either in roman,
or in italic font. When using \LaTeX~employ
the \verb|\newtheorem| command. E.g.,
\begin{lemma}
Body of the lemma. Body of the lemma.
....................................
\end{lemma}.
For proofs the following style is
recommended:
\begin{proof}
Body of the proof. Body of the proof.
....................................
\end{proof}
When using LaTeX, the {\bf proof}
environment, defined in the style file
{\bf cdcart94.sty} can be applied.

\subsection{Illustrations}
..........................................
See Fig.~\ref{Fig1} and Fig.~\ref{Fig2}
as examples.
\begin{figure}
\begin{center}
\begin{picture}(220,60)
\put(20,40){\circle{15}}
\put(23,28){{\small $-$}}
\put(15,35){\line(1,1){10}}
\put(25,35){\line(-1,1){10}}
\put(28,40){\vector(1,0){36}}
\put(34,45){$\sigma(t)$}
\put(64,30){\framebox(40,20){PM}}
\put(104,40){\vector(1,0){36}}
\put(109,45){$f(t)$}
\put(140,30){\framebox(40,20){CLP}}
\put(180,40){\line(1,0){32}}
\put(212,40){\line(0,-1){30}}
\put(212,10){\line(-1,0){192}}
\put(20,10){\vector(0,1){23}}
\end{picture}
\end{center}
\caption{One-column sample %
picture}\label{Fig1}
\end{figure}
\begin{figure*}
.....................................
\caption{Two-columns sample %
picture}\label{Fig2}
\end{figure*}
```

```
\subsection{Tables}
Table heading, including the number,
is to be typed above the table. See, e.g.,
\begin{table}[htb]
\begin{center}
\caption{Caption text}
\begin{tabular}{lll}
\hline
Title 1 & Title 2 & Title 3\\
\hline
Row 1, Col 1 & Row 1, Col 2 & Row 1, Col 3\\
Row 2, Col 1 & Row 2, Col 2 & Row 2, Col 3\\
Row 3, Col 1 & Row 3, Col 2 & Row 3, Col 3\\
\hline
\end{tabular}
\end{center}
\end{table}
.........................................

\section{Headings}

Main headings are to be column centered in
a bold font. They may be numbered,
if so desired.

\subsection{Subheadings}
Subheadings should be in a bold font. They
should start at the left-hand margin
on a separate line.

\subsubsection{Sub-subheadings} They are
to be in a bold font, should be indented
and run in at the beginning of the paragraph.
............................................

\subsection*{Acknowledgements}

This subsection can be used to acknowledge
any kind of support to your paper
(e.g., you can mention your grants).

\begin{thebibliography}{55}
\bibitem{1} A.Kh.~Gelig, G.A.~Leonov, and
  V.A.~Yakubovich,
  {\it Stability of Nonlinear Systems with
  a Nonunique Equilibrium},
  Moscow: Nauka, 1978 (Russian).
\bibitem{2} A.L.~Fradkov, ``Synthesis of
  an adaptive system of linear plant
  stabilization,''
  {Avtomat. i Telemekh.}, no.~12,
  pp.~96--103, 1974 (Russian).
..........................................
\end{thebibliography}
\end{document}
```