Quick and Dirty Instructions for the New ACM Typesetting Format—acmart Class*

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Preamble
Since April 2017, ACM has adopted a unified format (acmart.cls) for its publications. The newcomers to the communities should have no problem using it, as it will be just the right template to use. This new format has several important changes that might confuse particularly seasoned members of the SenSys and BuildSys communities and of their affiliated workshops, who have been accustomed to the old (slightly modified) sig-alternate.cls style. One such change is that all ACM conference proceedings are now using 9pt fonts for the main text. This new style uses several packages and free fonts (Linbiolinum and LinLiberte), which are available in all major TeX distributions (TeXLive, MikTeX, MacTeX) 2015 and later. If you have older distributions, your documents will not have proper fonts.

Important Rules
1. The preferred format is \LaTeX. If you are not an avid \LaTeX user, you can use the new Word format, but make sure to read the User Guide (1) carefully, and install the new Linbiolinum and LinLiberte fonts that comes with the package.
2. Read the User Guide (1). Read it again, especially if you were using the old style.
3. Do not change anything in the acmart.cls file.
4. Do not change any length, such as \textlength, \textheight, or any margin in the body of your paper.
5. Look at the sample-sigconf.tex and create your own with all the relevant information and include the body of your manuscript at the end.
6. The ACM-Reference-format block provides proper and full citation information of your manuscript (if published) and it is required for all manuscripts (regular or short papers, as well as demo and poster abstracts). Do not set printacmref to false to disable it to save space, because you will be asked to include it for your Camera Ready manuscript.
7. ACM now uses CCS Categories (replacing Terms) block in all publications. This block, as well as Keywords are required for all short or regular papers (not needed for demo or poster abstracts). Please provide proper content for them (see the User Guide for details).

Top Matter
The details are on pages 8–9 of the User Guide (1), but please note that ACM discourages the use of “merged” authors block, such as shown below:

*Please note that the examples and some content in this document reflect the recent SenSys 2018 and SenSys and BuildSys communities, the suggestions are also applicable to the ACM editions (odd years) of the CPS-IoT Week Conferences, particularly the ISPN.
Instead, use a separate \affiliation for each author to generate the following:

\begin{tabular}{|lll|}
\hline
Ben Trovato & G.K.M. Tobin & Lars Thørväld \\
Institute for Clarity in Documentation & Institute for Clarity in Documentation & The Thørväld Group \\
P.O. Box 1212 & P.O. Box 1212 & 1 Thørväld Circle \\
Dublin, Ohio 43017-6221 & Dublin, Ohio 43017-6221 & Hekla, Iceland \\
trovato@corporation.com & webmaster@marysville-ohio.com & larst@affiliation.org \\
\hline
\end{tabular}

The title block of each (regular or short) paper is followed by four blocks:

\begin{tabular}{|ll|}
\hline
ABSTRACT & 1 INTRODUCTION \\
This paper provides a sample of a \LaTeX document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings. & The proceedings are the records of a conference. ACM seeks to give these conference by-products a uniform, high-quality appearance.
\end{tabular}

CCS CONCEPTS
*Computer systems organization → Embedded systems; Redundancy; Robotics; *Networks → Network reliability;

KEYWORDS
ACM proceedings, \LaTeX, test tagging

ACM Reference format:

Please note that the CCS CONCEPTS and the Keywords blocks are not required in demo or poster abstracts, but mandatory for regular or short papers.

Once you complete the permissions process with ACM, you receive an email from rightsreview@acm.org that will contain something like:

\begin{verbatim}
\copyrightyear{2018}
\setcopyright{acmcopyright}
\acmConference{Sensys’18} (The 16th ACM Conference on Embedded Networked Sensor Systems) (November 4–7, 2017, Shenzhen, China)
\acmISBN{978-1-xxxx-xxxx-x/18/11}\acmPrice{($15.00)}
\acmDOI{http://dx.doi.org/xx.xxxx/xxxxxx.xxxxxx}
\end{verbatim}

Sometimes, such emails may fall into your SPAM/Junk folder, so make sure that you let this email go to your mailbox, instead.

The ACM Reference format and the permissions block will be generated automatically, provided you have entered the required information above in your .tex file.
Author Anonymity

In most conferences, submission are reviewed by using either blind (reviewers are hidden from the authors) or double blind (reviewers don’t know the identity of the author(s), and the author(s) don’t know the identity of the reviewers) policies.

The authors should use anonymous option of the acmart.cls to hide their identity:

```
\begin{anonsuppress}
This work is continuation of Dr. - Trovato and his team at Institute for Clarity in Documentation. This paragraph will disappear when \texttt{(anonymous)} option is used. \end{anonsuppress}
```

Here is the important content of the front page of a Camera Ready manuscript:

```
SIG Proceedings Paper in LaTeX Format—This is a Very Long Title That will not Fit in One Line*

Anonymous Author(s)

ABSTRACT
This paper provides a sample of a \LaTeX document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings.

CSC CONCEPTS
*Computer systems organization → Embedded systems; Re-

KEYWORDS
ACM proceedings, \LaTeX, text tagging

ACM Reference Format:
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You may want to display math equations in three distinct styles: inline, numbered or non-numbered display. Each of the three are set here in in-line math style, looks slightly different when set in display style. (See next section).

You can use whatever symbols, accented characters, or non-English characters you need anywhere in your document; you can begin and end of the text that is to be in the different typeface.

But remember, you do not have to indicate typestyle changes when such changes are part of the structural elements of your article.
To avoid “long conference title” problem, use one of the following \acmConference(...) tags for SenSys'18 and BuildSys'18, respectively:

\begin{verbatim}
\acmConference[SenSys'18]{The 16th ACM Conference on Embedded Networked Sensor Systems}\{November 4--7, 2018\}{Shenzhen, China}
\acmConference[BuildSys'18]{The 5th International Conference on Systems for Energy-Efficient Built Environments}\{November 7--8, 2018\}{Shenzhen, China}
\end{verbatim}

Further, if you have a long title, use the optional \textit{ShortTitle} in the \textit{title}. As a rule-of-thumb, if your title is longer than a single column width, it should be shortened.

\begin{verbatim}
\textit{title}[SIG Proceedings Paper in LaTeX Format]{SIG Proceedings Paper in LaTeX Format---This is a Very Long Title That will not Fit in One Line}
\end{verbatim}

And if you have three or more authors (or the list is longer than a single column width), use the following with the first author’s names:

\begin{verbatim}
\renewcommand{\shortauthors}{F. LastName et al.}
\end{verbatim}

Lastly, use the names and last names of the authors in the “authors block” consistently. Pick one of the ways shown below and use it consistently everywhere, including your bibliographies:

\begin{verbatim}
Ben Travato
B. Travato
Lawrence P. Leipuner
L.P. Leipuner
Gordon K.M. Tobin
G.K.M. Tobin
\end{verbatim}

Bibliographies and Citations

Regular staff of the institutions, such as ACM and IEEE, review manuscripts for their archival journals to provide consistency and coherency in those publications. All other publications, such as conference proceedings and newsletters, are typically compiled by different volunteers, leading to various inconsistencies. Recently, ACM requires an additional “block”, ACM Reference format, in every publication to make the citation process easier. However, this is only one side of the coin, as we have to provide the other side by properly citing our references. Most common error is to use incomplete references to save space in the body of a paper. Keep in mind that ACM uses the \texttt{natbib} package and the ACM-Reference-Format.bst for processing references. Check the \texttt{User Guide} (1) (Section 2.10 Bibliography) and make sure that you provide all the required fields for each bib entry.

Acknowledgements

If you have to acknowledge someone or something in your manuscript, please insert your message between \begin{acks} and \end{acks}. This is no longer a \texttt{section} in the manuscript.

Balanced Columns

Although not enforced by ACM, SenSys and BuildSys communities have been balancing the columns on the last page of each paper by using the \texttt{balance} package. Admittedly, this might be tricky at times, but the output is much nicer as can be seen below:
Thank you for your attention and good luck in your submissions!

References

[1] Boris Veytsman. \LaTeX X Class for Association for Computing Machinery, March 2018. The current version is 1.55.