

Crimegraph, link prediction and detection in criminal networks

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ABSTRACT

This paper provides a sample of a \LaTeX document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings. It is an *alternate* style which produces a *tighter-looking* paper and was designed in response to concerns expressed, by authors, over page-budgets. It complements the document *Author's (Alternate) Guide to Preparing ACM SIG Proceedings Using $\text{\LaTeX}2_{\epsilon}$ and Bib \TeX* . This source file has been written with the intention of being compiled under $\text{\LaTeX}2_{\epsilon}$ and Bib \TeX .

The developers have tried to include every imaginable sort of “bells and whistles”, such as a subtitle, footnotes on title, subtitle and authors, as well as in the text, and every optional component (e.g. Acknowledgments, Additional Authors, Appendices), not to mention examples of equations, theorems, tables and figures.

To make best use of this sample document, run it through \LaTeX and Bib \TeX , and compare this source code with the printed output produced by the dvi file. A compiled PDF version is available on the web page to help you with the ‘look and feel’.

CCS Concepts

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

Keywords

ACM proceedings; \LaTeX ; text tagging

1. INTRODUCTION

The *proceedings* are the records of a conference. ACM seeks to give these conference by-products a uniform, high-quality appearance. To do this, ACM has some rigid requirements for the format of the proceedings documents: there is a specified format (balanced double columns), a specified

set of fonts (Arial or Helvetica and Times Roman) in certain specified sizes (for instance, 9 point for body copy), a specified live area (18×23.5 cm [$7'' \times 9.25''$]) centered on the page, specified size of margins (1.9 cm [$0.75''$]) top, (2.54 cm [$1''$]) bottom and (1.9 cm [$.75''$]) left and right; specified column width (8.45 cm [$3.33''$]) and gutter size (.83 cm [$.33''$]).

The good news is, with only a handful of manual settings¹, the \LaTeX document class file handles all of this for you.

The remainder of this document is concerned with showing, in the context of an “actual” document, the \LaTeX commands specifically available for denoting the structure of a proceedings paper, rather than with giving rigorous descriptions or explanations of such commands.

2. ARCHITECTURE

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3. LINK PREDICTION

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¹Two of these, the `\numberofauthors` and `\alignauthor` commands, you have already used; another, `\balancecolumns`, will be used in your very last run of \LaTeX to ensure balanced column heights on the last page.

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7. FURTHER IMPROVEMENTS

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8. CONCLUSIONS

This paragraph will end the body of this sample document. Remember that you might still have Acknowledgments or Appendices; brief samples of these follow. There is still the Bibliography to deal with; and we will make a disclaimer about that here: with the exception of the reference to the L^AT_EX book, the citations in this paper are to articles which have nothing to do with the present subject and are used as examples only.

9. REFERENCES