

SIG Proceedings Paper in LaTeX Format*

Extended Abstract[†]

Denise M. Case
Northwest Missouri State
University
Maryville, Missouri
dcase@nwmissouri.edu

G.K.M. Tobin[‡]
Institute for Clarity in
Documentation
Dublin, Ohio
webmaster@marysville-ohio.com

Lars Thørväld[§]
The Thørväld Group
Hekla, Iceland
larst@affiliation.org

Valerie Béranger
Inria Paris-Rocquencourt
Rocquencourt, France

Aparna Patel
Rajiv Gandhi University
Doimukh, Arunachal Pradesh
India

Huifen Chan
Tsinghua University
Haidian Qu, Beijing Shi, China

Charles Palmer
Palmer Research Laboratories
San Antonio, Texas
cpalmer@prl.com

John Smith
The Thørväld Group
jsmith@affiliation.org

Julius P. Kumquat
The Kumquat Consortium
jpkumquat@consortium.net

ABSTRACT

This paper provides a sample of a L^AT_EX document which conforms, somewhat loosely, to the formatting guidelines for ACM SIG Proceedings.¹

CCS CONCEPTS

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

KEYWORDS

ACM proceedings, L^AT_EX, text tagging

ACM Reference Format:

Denise M. Case, G.K.M. Tobin, Lars Thørväld, Valerie Béranger, Aparna Patel, Huifen Chan, Charles Palmer, John Smith, and Julius P. Kumquat. 1997. SIG Proceedings Paper in LaTeX Format: Extended Abstract. In *Proceedings of ACM Woodstock conference (WOODSTOCK'97)*, Jennifer B. Sartor, Theo D'Hondt, and Wolfgang De Meuter (Eds.). ACM, New York, NY, USA, Article 4, 3 pages. <https://doi.org/10.475/123.4>

*Produces the permission block, and copyright information

[†]The full version of the author's guide is available as `acmart.pdf` document

[‡]The secretary disavows any knowledge of this author's actions.

[§]This author is the one who did all the really hard work.

¹This is an abstract footnote

Permission to make digital or hard copies of part or all of this work for personal or classroom use is granted without fee provided that copies are not made or distributed for profit or commercial advantage and that copies bear this notice and the full citation on the first page. Copyrights for third-party components of this work must be honored. For all other uses, contact the owner/author(s).

WOODSTOCK'97, July 1997, El Paso, Texas USA

© 2016 Copyright held by the owner/author(s).

ACM ISBN 123-4567-24-567/08/06.

<https://doi.org/10.475/123.4>

1 OPENING

50th ACM Technical Symposium on Computer Science Education!

- <https://sigcse2019.sigcse.org/>
- https://sigcse2019.sigcse.org/SIGCSE_2019_CFP.pdf

February 27 - March 2, 2019, Minneapolis, MN, USA

PAPERS (6 pp. max; 25 min. presentation) Papers describe an educational research project, classroom experience, teaching technique, curricular initiative, or pedagogical tool. All papers should explicitly state their motivating questions, relate to relevant literature, and contain an analysis of the effectiveness of the interventions, including limitations. Initial submissions must be anonymous. Note that an ABSTRACT SUBMISSION is now required for all papers and it is due a week before the full paper is due.

- CS Education Research papers should adhere to rigorous standards, describing hypotheses, methods, results, and limitations as is typical for research studies. These normally focus on topics relevant to computing education with emphasis on educational goals and knowledge units/topics relevant to computing education with statistical rigor; methods or techniques in computing education; evaluation of pedagogical approaches; and studies of the many populations engaged in computing education, including (but not limited to) students, instructors, and issues of gender, diversity, and underrepresentation.
- Experience Reports and Tools papers should carefully describe a computer science education intervention and its context, and provide a rich reflection on what worked, what didn't, and why. This track accepts experience reports, teaching techniques, and pedagogical tools. All papers in this track should provide enough detail for adoption by others.

- New Curricula, Programs, Degrees and Position Papers. Papers about curricula, programs and degrees should describe the motivating context before the new initiative was undertaken, what it took to put the initiative into place, what the impact has been, and suggestions for others wishing to adopt it. Position papers are meant to engender fruitful academic discussion by presenting a defensible opinion about a CS education topic, substantiated with evidence.

2 INTRODUCTION

8 Best LaTeX Editors: <https://beebom.com/best-latex-editors/>

The *proceedings* are the records of a conference.² 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, a specified live area, centered on the page, specified size of margins, specified column width and gutter size.

3 RELATED WORK

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

4 SECTION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse

cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

5 SECTION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

6 SECTION

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

7 RESULTS

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

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

²This is a footnote

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.

A HEADINGS IN APPENDICES

The rules about hierarchical headings discussed above for the body of the article are different in the appendices. In the **appendix** environment, the command **section** is used to indicate the start of each Appendix, with alphabetic order designation (i.e., the first is A, the second B, etc.) and a title (if you include one). So, if you need hierarchical structure *within* an Appendix, start with **subsection** as the highest level. Here is an outline of the body of this document in Appendix-appropriate form:

A.1 Introduction

A.2 The Body of the Paper

A.2.1 Type Changes and Special Characters.

A.2.2 Math Equations.

Inline (In-text) Equations.

Display Equations.

A.2.3 Citations.

A.2.4 Tables.

A.2.5 Figures.

A.2.6 Theorem-like Constructs.

A Caveat for the T_EX Expert.

A.3 Conclusions

A.4 References

Generated by bibtex from your **.bib** file. Run latex, then bibtex, then latex twice (to resolve references) to create the **.bbl** file. Insert that **.bbl** file into the **.tex** source file and comment out the command `\thebibliography`.

B MORE HELP FOR THE HARDY

Of course, reading the source code is always useful. The file **acmart.pdf** contains both the user guide and the commented code.

ACKNOWLEDGMENTS

The authors would like to thank Dr. Yuhua Li for providing the MATLAB code of the *BEPS* method.

The authors would also like to thank the anonymous referees for their valuable comments and helpful suggestions. The work is supported by the National Natural Science Foundation of China under Grant No.: 61273304 and Young Scientists' Support Program (<http://www.nnsf.cn/youngscientists>).

REFERENCES