

MICRO-50 Camera-Ready Instructions

First Author
Institution1
name1@domain1

Second Author
Institution2
name2@domain2

ABSTRACT

This paper provides a sample of a \LaTeX document for MICRO-50. This document contains instructions and formatting guidelines, which is heavily adapted from ISCA'17. For formatting details not included in this document, please refer to the ACM formatting guidelines for "sigconf" proceedings template at <http://www.acm.org/publications/proceedings-template>.

CCS CONCEPTS

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

KEYWORDS

MICRO-50, camera ready, ACM proceedings, \LaTeX

ACM Reference format:

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1 INSTRUCTIONS

Please follow all instructions closely. We appreciate your cooperation in the preparation of the proceedings.

1.1 Page Limits

- All submissions should contain a maximum of 14 pages, including two-column body text, figures, tables, and references.
- All final camera ready papers must be limited to 13 body pages.
- Please note that pages with ANY non-reference material will be counted as a body page.
- Up to 12 body pages are free; ONE additional body page can be purchased for 250 USD.
- The fee for additional body page must be submitted during conference registration.

1.2 Formatting

When typesetting your paper, please follow the guidelines listed in Table 1. Do NOT include page numbers in the final manuscript.

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Make sure to include the names of all authors along with their affiliation and email addresses.

Ensure that the figures and tables are legible. Please also ensure that you refer to your figures in the main text. Many readers print the papers in gray-scale. Therefore, if you use colors for your figures, ensure that the different colors are distinguishable in gray-scale.

Avoid bad page or column breaks in your main text—i.e., last line of a paragraph at the top of a column or first line of a paragraph at the end of a column. If you begin a new section or sub-section near the end of a column, ensure that you have at least 2 lines of body text on the same column.

Field	Value
Format	PDF
Page limit	14 (up to 12 body pages are free)
Paper size	US Letter 8.5in × 11in
Top margin	1in
Bottom margin	1in
Left margin	0.75in
Right margin	0.75in
Separation between columns	0.25in
Body and abstract font	9pt, Linux Libertine
Section heading font	11pt, Linux Biolinum, bold all capital
Subsection heading font	11pt, Linux Biolinum, bold
Caption font	9pt, Linux Libertine, bold
References	8pt, Linux Libertine list all authors' full names

Table 1: Formatting guidelines for submission.

1.3 Indexing Concepts

This template enables you to import required indexing concepts for your article from the ACM Computing Classification System (CCS) [1] using an indexing support tool [2] found in the ACM Digital Library (DL) which generates the necessary TeX code once you have selected your terms (and generates XML for Word documents).

It is important to provide the proper indexing information from the ACM Computing Classification System (CCS). Accurate semantic tagging provides a reader with quick content reference; facilitates the DL search for related literature; enables several DL topic functions such as aggregated SIG and journal coverage areas; and helps ACM promote your work in other online resources.

1.4 Reference Formatting

Reference linking and citation counts are facilitated by use of standard reference formats. Please adhere to the in-text citation style and reference format guidelines [3] that we use for ACM publications. If you do not, your paper may be returned to you for proper formatting.

Examples from the ACM sigconf template are included here. A paginated journal article [5], an enumerated journal article [10], a reference to an entire issue [9], a monograph (whole book) [21], a monograph/whole book in a series (see 2a in spec. document) [16], a divisible-book such as an anthology or compilation [12] followed by the same example, however we only output the series if the volume number is given [13] (so Editor00a's series should NOT be present since it has no vol. no.), a chapter in a divisible book [30], a chapter in a divisible book in a series [11], a multi-volume work as book [20], an article in a proceedings (of a conference, symposium, workshop for example) (paginated proceedings article) [6], a proceedings article with all possible elements [29], an example of an enumerated proceedings article [14], an informally published work [15], a doctoral dissertation [8], a master's thesis: [7], an online document / world wide web resource [4], a video game (Case 1) [24] and (Case 2) [23] and [22] and (Case 3) a patent [28], work accepted for publication [25], 'YYYYb'-test for prolific author [26] and [27]. Other cites might contain 'duplicate' DOI and URLs (some SIAM articles) [19]. Boris / Barbara Beeton: multi-volume works as books [17]. A couple of citations with DOIs: [18, 19].

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2 SUBMISSION INSTRUCTIONS

- Authors will be individually contacted by ACM with instructions on submitting the rights management form. The system will also provide rights management text and a bibliographic strip to appear underneath the copyright notice. Authors are responsible for updating their manuscripts with this information.
- Please submit the finalized the PDF file of your paper and a ZIP archive of your paper's source files respectively labeled as MICRO-50_ "Submission Number".pdf and MICRO-50_ "Submission Number" _source.zip to xig515@lehhigh.edu with the conference name and your submission number in the subject line (e.g., MICRO-50 - # - Camera Ready).
- **The deadline for submitting the final paper and ACM electronic copyright forms is 11:59pm Eastern Daylight Time (EDT) on Friday, August 25th, 2017.**

REFERENCES

- [1] 2012. The 2012 ACM Computing Classification System. (2012). <http://www.acm.org/publications/class-2012>
- [2] 2012. The ACM Computing Classification System (CCS). (2012). <http://dl.acm.org/ccs/ccs.cfm?>
- [3] 2017. Citation Style and Reference Formats. (2017). <http://www.acm.org/publications/authors/reference-formatting>
- [4] Rafal Ablamowicz and Bertfried Fauser. 2007. CLIFFORD: a Maple 11 Package for Clifford Algebra Computations, version 11. (2007). Retrieved February 28, 2008 from <http://math.tntech.edu/rafal/cliff11/index.html>
- [5] Patricia S. Abril and Robert Plant. 2007. The patent holder's dilemma: Buy, sell, or troll? *Commun. ACM* 50, 1 (Jan. 2007), 36–44. <https://doi.org/10.1145/1188913.1188915>
- [6] Sten Andler. 1979. Predicate Path expressions. In *Proceedings of the 6th. ACM SIGACT-SIGPLAN symposium on Principles of Programming Languages (POPL '79)*. ACM Press, New York, NY, 226–236. <https://doi.org/10.1145/567752.567774>
- [7] David A. Anisi. 2003. *Optimal Motion Control of a Ground Vehicle*. Master's thesis. Royal Institute of Technology (KTH), Stockholm, Sweden.
- [8] Kenneth L. Clarkson. 1985. *Algorithms for Closest-Point Problems (Computational Geometry)*. Ph.D. Dissertation. Stanford University, Palo Alto, CA. UMI Order Number: AAT 8506171.
- [9] Jacques Cohen (Ed.). 1996. Special issue: Digital Libraries. *Commun. ACM* 39, 11 (Nov. 1996).
- [10] Sarah Cohen, Werner Nutt, and Yehoshua Sagic. 2007. Deciding equivalences among conjunctive aggregate queries. *J. ACM* 54, 2, Article 5 (April 2007), 50 pages. <https://doi.org/10.1145/1219092.1219093>
- [11] Bruce P. Douglass, David Harel, and Mark B. Trakhtenbrot. 1998. Statecars in use: structured analysis and object-orientation. In *Lectures on Embedded Systems*, Grzegorz Rozenberg and Frits W. Vaandrager (Eds.). Lecture Notes in Computer Science, Vol. 1494. Springer-Verlag, London, 368–394. https://doi.org/10.1007/3-540-65193-4_29
- [12] Ian Editor (Ed.). 2007. *The title of book one* (1st. ed.). The name of the series one, Vol. 9. University of Chicago Press, Chicago. <https://doi.org/10.1007/3-540-09237-4>
- [13] Ian Editor (Ed.). 2008. *The title of book two* (2nd. ed.). University of Chicago Press, Chicago, Chapter 100. <https://doi.org/10.1007/3-540-09237-4>
- [14] Matthew Van Gundy, Davide Balzarotti, and Giovanni Vigna. 2007. Catch me, if you can: Evading network signatures with web-based polymorphic worms. In *Proceedings of the first USENIX workshop on Offensive Technologies (WOOT '07)*. USENIX Association, Berkeley, CA, Article 7, 9 pages.
- [15] David Harel. 1978. *LOGICS of Programs: AXIOMATICS and DESCRIPTIVE POWER*. MIT Research Lab Technical Report TR-200. Massachusetts Institute of Technology, Cambridge, MA.
- [16] David Harel. 1979. *First-Order Dynamic Logic*. Lecture Notes in Computer Science, Vol. 68. Springer-Verlag, New York, NY. <https://doi.org/10.1007/3-540-09237-4>
- [17] Lars Hörmander. 1985. *The analysis of linear partial differential operators. IV. Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*, Vol. 275. Springer-Verlag, Berlin, Germany. vii+352 pages. Fourier integral operators.
- [18] IEEE 2004. IEEE TCSC Executive Committee. In *Proceedings of the IEEE International Conference on Web Services (ICWS '04)*. IEEE Computer Society, Washington, DC, USA, 21–22. <https://doi.org/10.1109/ICWS.2004.64>
- [19] Markus Kirschmer and John Voight. 2010. Algorithmic Enumeration of Ideal Classes for Quaternion Orders. *SIAM J. Comput.* 39, 5 (Jan. 2010), 1714–1747. <https://doi.org/10.1137/080734467>
- [20] Donald E. Knuth. 1997. *The Art of Computer Programming, Vol. 1: Fundamental Algorithms (3rd. ed.)*. Addison Wesley Longman Publishing Co., Inc.
- [21] David Koslur. 2001. *Understanding Policy-Based Networking* (2nd. ed.). Wiley, New York, NY.
- [22] Newton Lee. 2005. Interview with Bill Kinder: January 13, 2005. Video. *Comput. Entertain.* 3, 1, Article 4 (Jan.-March 2005). <https://doi.org/10.1145/1057270.1057278>
- [23] Dave Novak. 2003. Solder man. Video. In *ACM SIGGRAPH 2003 Video Review on Animation theater Program: Part I - Vol. 145 (July 27–27, 2003)*. ACM Press, New York, NY, 4. <https://doi.org/99.9999/woot07-S422>
- [24] Barack Obama. 2008. A more perfect union. Video. (5 March 2008). Retrieved March 21, 2008 from <http://video.google.com/videoplay?docid=6528042696351994555>
- [25] Bernard Rous. 2008. The Enabling of Digital Libraries. *Digital Libraries* 12, 3, Article 5 (July 2008). To appear.
- [26] Mehdi Saeedi, Morteza Saheb Zamani, and Mehdi Sedighi. 2010. A library-based synthesis methodology for reversible logic. *Microelectron. J.* 41, 4 (April 2010), 185–194.
- [27] Mehdi Saeedi, Morteza Saheb Zamani, Mehdi Sedighi, and Zahra Sasanian. 2010. Synthesis of Reversible Circuit Using Cycle-Based Approach. *J. Emerg. Technol. Comput. Syst.* 6, 4 (Dec. 2010).
- [28] Joseph Scientist. 2009. The fountain of youth. (Aug. 2009). Patent No. 12345, Filed July 1st., 2008, Issued Aug. 9th., 2009.
- [29] Stan W. Smith. 2010. An experiment in bibliographic mark-up: Parsing metadata for XML export. In *Proceedings of the 3rd. annual workshop on Librarians and Computers (LAC '10)*, Reginald N. Smythe and Alexander Noble (Eds.), Vol. 3. Papparazzi Press, Milan Italy, 422–431. <https://doi.org/99.9999/woot07-S422>
- [30] Asad Z. Spector. 1990. Achieving application requirements. In *Distributed Systems* (2nd. ed.), Sape Mullender (Ed.). ACM Press, New York, NY, 19–33. <https://doi.org/10.1145/90417.90738>