



ACM: In-text Citations & References

ACM stands for the Association for Computing Machinery. The citation style is commonly used within computer science.

In-Text Citations

Numerical Citations

- Most citations are done numerically.
- Each source should be numbered sequentially based on the order it appears in the body of your text.
- The corresponding number should be placed in square brackets at the end of the sentence where the source is referenced.
 - The complexity of the current patent process dissuades inventors and inhibits innovation [1].
- For multiple citations in the same sentence, numbers should be listed in ascending numerical order inside the brackets and separated by commas.
 - Despite the complexity of the patent process, there are still a number of new patents being released featuring artificial intelligence and machine learning [1, 15].

SWC [1]: Please note that while most of ACM follows this style of in-text citations, SIGGRAPH and SIGPLAN follow an author-date style. If you are preparing an article for publication in either of these publications, you should refer to their websites for guidance on in-text citations.

Narrative Citations

- If the author is named in the sentence, it is unnecessary to include the numerical citation at the end of the sentence.
- However, you should include the year of publication in square brackets following the author's name.
 - According to Constantinou [2016], "major advances in algorithms and techniques" have allowed for "simulations with the quark masses fixed to their physical values."
- For three or more authors, you should list only the first author's name followed by the abbreviation "et al." in the body of your essay.
 - According to Cohen et al. [2007], "Aggregate queries allow one to retrieve concise information from [massive databases], since they can cover many data items while returning a small result."

References

- References should begin at the end of your document.
- Use the word "References" as the header for your reference page. It should be bold and left-justified.
- References should be listed alphabetically, not numerically.
- References should use a special form of hanging indent where only the number is offset and the rest of the text is flush. To do this, you will need to set the entire citation to a hanging indent and manually add spaces after the number to align the text.



Paginated Journal Articles

- [1] 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>

Enumerated Journal Articles

- [2] Sarah Cohen, Werner Nutt, and Yehoshua Sagie. 2007. Deciding equivalences among conjunctive aggregate queries. *J. ACM* 54, 2, Article 5 (April 2007), 50 pages. <https://doi.org/10.1145/1219092.1219093>

ArXiv Articles

- [3] Martha Constantinou. 2016. New physics searches from nucleon matrix elements in lattice QCD. arXiv:1701.00133. Retrieved from <https://arxiv.org/abs/1701.00133>

SWC [2]: Note that authors' names are not inverted.

SWC [3]: Note that "and" is written out when used to separate two authors' names

SWC [4]: Note that a period should follow the author(s) name(s).

SWC [5]: Note that the title of the article is formatted in plain text. It is not italicized or placed in quotes. Also note that only the first word of both the title and subtitle are capitalized.

SWC [6]: Note that the title of the journal should be italicized. Journal titles are commonly abbreviated. Note that no punctuation follows the title of the journal.

SWC [7]: The volume number should be followed by a comma.

SWC [8]: The issue number should follow the volume number.

SWC [9]: The date of publication should be placed in parentheses following the issue number. The date should be written in abbreviated month, year format. Note that a comma follows the parentheses.

SWC [10]: The page range of the article should be followed by a period. Note that no abbreviation (such as "p.") is used to denote the page range.

SWC [11]: The DOI should follow the page range. This can usually be found with the other bibliographic information or in the header or footer of the journal article. If a DOI cannot be found, a permalink may be substituted. Some databases (such as JSTOR) provide a permalink for every article, or you may be able to generate one from the database search function. However, copying the URL from the top of your web browser is not an acceptable substitute.

SWC [12]: Note that for three or more authors, the authors' names should be separated by commas. "and" is still written out preceding the final author's name.

SWC [13]: When using an enumerated journal article, a comma should follow the issue number

SWC [14]: Here, you should list the number assigned to the article. Note that "Article" should be capitalized.

SWC [15]: Note that instead of a page range, for an enumerated article you should list the number of pages.

SWC [16]: ArXiv is an open access archive of scholarly journal articles in the fields of physics,

SWC [17]: Note that you should include the arXiv identification number here. Note that there is no space following the colon after "arXiv." The identification number should be followed by a period.

SWC [18]: Here, you should include the words "Retrieved from" followed by the URL of the article.



Books

- [4] David Kosiur. 2001. *Understanding Policy-Based Networking* (2nd. ed.). Wiley, New York, NY.

Anthologies or Collections

- [5] David Harel (Ed.). 1979. *First order dynamic logic* (1st. ed.). Lecture notes in computer science, Vol. 68. Springer Berlin, Heidelberg.
<https://doi.org/10.1007/3-540-09237-4>

Multivolume Works (as a Book)

- [6] Donald E. Knuth. 1997. *The Art of Computer Programming*, Vol. 1: Fundamental Algorithms (3rd. ed.). Addison Wesley Longman Publishing Co., Inc.

Websites

Specific Articles or Pages on a Website

- [7] Harry Thornburg. 2001. *Introduction to Bayesian Statistics*. (March 2001). Retrieved March 2, 2005 from
<http://ccrma.stanford.edu/~jos/bayes/bayes.html>

Whole Websites

- [8] ACM. 2024. *Association for Computing Machinery: Advancing Computing as a Science & Profession*. Retrieved February 20, 2024 from
<http://www.acm.org/>.

SWC [19]: Note that the titles of books should be italicized and that all major words should be capitalized.

SWC [20]: Here, you should include the edition number in parentheses. This is true even for the first edition. Note that a period follows both the abbreviations "2nd." and "ed." A period should also follow the final parenthesis.

SWC [21]: Note that the publisher should be followed by a comma.

SWC [22]: Note that a comma should follow the city of publication and a period should follow the state of publication. Also note that the two-letter abbreviation is used for the state.

SWC [23]: For an edited anthology or collection, the editor's name should be listed first, followed by the abbreviation "Ed." in parentheses. Note that "Ed." should be capitalized and followed by a period. A period should also follow the final parenthesis.

SWC [24]: The title of the book should be formatted in italics.

SWC [25]: The title of the series should be formatted in plain text and followed by a comma.

SWC [26]: Here, you should include the abbreviation "Vol." followed by the volume number.

SWC [27]: Here, you should include the name of the publisher followed by a comma and the city of publication. For cities in the US, you should include the two-letter abbreviation of the state after the city.

SWC [28]: For books available electronically, you should include the DOI here.

SWC [29]: Here, you should list the title of the book in plain text followed by a comma.

SWC [30]: Here, you should use the abbreviation "Vol." followed by the volume number and a colon.

SWC [31]: Here, you should include the title of the series in plain text.

SWC [32]: Here, you should include the edition number in parentheses.

SWC [33]: Here, you should include the name of the publisher.

SWC [34]: Here, you should include the name of the author if it is known.

SWC [35]: Here, you should include the year of publication. If the website does not list an obvious date of publication, you should use the copyright date from the bottom of the website.

SWC [36]: Here, you should include the name of the article in plain text.

SWC [37]: Here, you should include a more specific date of publication if it is available. If there is a specific date of publication, this should be included here as well in day month year format. Ex: (8 March 2001). Note that this should be placed inside of parentheses.

SWC [38]: Here, you should include the word "Retrieved" followed by the date you accessed the website in month day, year format.

SWC [39]: Here, you should include the word "from" followed by the URL of the website.

SWC [40]: For websites that do not have an individual author listed, you should substitute the name of the publishing organization here.

SWC [41]: Here, you should include the title of the website in plain text.



Videos

Videos Included in Scholarly Publications

- [9] 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/10.1145/1006091.1006096>

Videos from Popular Sources

- [10] Barack Obama, 2008. A more perfect union. Video. (5 March 2008).
Retrieved March 21, 2008 from
<http://video.google.com/videoplay?docid=6528042696351994555>

SWC [42]: Here, you should include the name of the author of the source material in which the video appears or the person primarily responsible for the content of the video.

SWC [43]: Here, you should include the title of the video in plain text.

SWC [44]: Here, you should include the word "Video" followed by a period.

SWC [45]: Here, you should include the word "In" in plain text before the title of the publication or program in which the video appears in italics.

SWC [46]: Here, you should include the publisher followed by a comma.

SWC [47]: Here, you should include the place of publication.

SWC [48]: For numbered articles, you should include the number of the article here (see enumerated journal articles above).

SWC [49]: Here, you should include the DOI of the video.

SWC [50]: Here, you should include the name of the person primarily responsible for the content of the video. If it is a video of someone giving a speech or a TED Talk, that person's name should be used here.

SWC [51]: Here you should include the year of publication.

SWC [52]: Here, you should include the title of the video in plain text. Only the first word of the title should be capitalized.

SWC [53]: Here you should include the word "Video" followed by a period.

SWC [54]: Here, you should include the exact date the video was posted in parentheses. The date should be in day month year form. The period should be outside the parentheses.

SWC [55]: Here, you should include the word "Retrieved" followed by the date in month day, year format.

SWC [56]: Here you should include the word from and the URL where the video was retrieved from.



Theses or Dissertations

- [11] Kenneth L. Clarkson. 1985. *Algorithms for Closest-Point Problems (Computational Geometry)*. Ph.D. Dissertation. Stanford University, Palo Alto, CA. UMI Order Number: AAT 8506171.

Articles in Conference Proceedings

- [12] Sten Andler. 1979. Predicate path expressions. In *Proceedings of the 6th. ACM SIGACT-SIGPLAN Symposium on Principles of Programming Languages (POPL '79)*, January 29 - 31, 1979, San Antonio, Texas. ACM Inc., New York, NY, 226-236. <https://doi.org/10.1145/567752.567774>

Technical Reports

- [13] David Harel. 1978. *LOGICS of Programs: AXIOMATICS and DESCRIPTIVE POWER*. MIT Research Lab Technical Report TR-200. Massachusetts Institute of Technology, Cambridge, MA.

Patents

- [14] Solyman Ashrafi. 2020. Unified nonlinear modeling approach for machine learning and artificial intelligence (attractor assisted AI). (Aug. 2020). Patent No. 10755188B2, Filed Oct. 16th., 2018, Issued Aug. 25th., 2020.

SWC [57]: The title of the thesis should be italicized and every major word should be capitalized.

SWC [58]: For a master's thesis, substitute the words "Master's thesis" here.

SWC [59]: Here, you should include the university and location where the thesis or dissertation was completed.

SWC [60]: For theses and dissertations published in online databases such as Proquest, you should include UMI Order Number (sometimes also referred to as the UMI Publication Number). For theses or dissertations that were not published in online databases, you may omit this.

SWC [61]: Here, you should include the title of the article in plain text. The title should be followed by a period.

SWC [62]: Here, you should include the word "In" in plain text followed by the name of the conference in italics. The title of the conference should be followed by a comma.

SWC [63]: Here, you should include the date(s) of the conference in month day(s), year format. The date should be followed by a comma.

SWC [64]: Here, you should include the city where the conference took place. For cities inside the US, you should also include the state. Note that the state is written out, not abbreviated. The location should be followed by a period.

SWC [65]: Here, you should include the publisher of the proceedings followed by a comma.

SWC [66]: Here, you should include the city of publication for the proceedings and the state for cities inside the US. Note that in this case, the two-letter abbreviation for the state is used. Also note that the place of publication will likely be different from the location of the conference. The place of publication should be followed by a comma.

SWC [67]: Here, you should include the page range of the article, if applicable.

SWC [68]: Here, you should include the DOI.

SWC [69]: Here, you should include the title of the report in italics followed by a period. Note that the use of all-caps for some words is retained from the original source.

SWC [70]: Here, you should include the type of publication and any identification number assigned to the report.

SWC [71]: Here, you should provide the name of the institution for which the report was created. This may be a university or a company. The institution name should be followed by a comma.

SWC [72]: Here, you should include the city where the institution is located. For cities in the US, you should also include the state. States should use the two-letter abbreviation.

SWC [73]: Here, you should include the name of the inventor followed by a period.

SWC [74]: Here, you should include the year the patent was issued followed by a period.

SWC [75]: Here, you should include the title of the patent followed by a period.

SWC [76]: Here, you should include the month and year that the patent was issued in parentheses. Note that the month should be abbreviated. Also note that a period should follow the final parenthesis.

SWC [77]: Here, you should include the phrase "Patent No." followed by the patent number. Note that both words in the phrase patent number should be capitalized. Also note that a comma should follow the patent number.

SWC [78]: Here, you should include the word "Filed" and the exact date the patent was filed. Note that the word "Filed" should be capitalized. The date should be written in month day, year format. The month should be abbreviated. The day should be followed by a two-letter suffix (st, nd, rd, th) as well as both a period and a comma. The year should be followed by a comma.

SWC [79]: Here, you should include the word "Issued" followed by the exact date the patent was issued. Note that the word "Issued" should be capitalized. You should follow the exact same format for writing out the date as for the date filed. However, the year should be followed by a period.