

Referencing Guide: IEEE

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The Institute of Electrical and Electronics Engineers (IEEE) specify a specific style for authors writing for their publications. Here is a guide to how to use this style for referencing. The full IEEE guidance is available at: http://www.ieee.org/documents/style_manual.pdf (V8 10-30-2014)

1. Citations / references in text

Citing: means acknowledging the sources that you have used in the text.

The citation number should be placed in square brackets, and should come directly after the reference, not at the end of the sentence, and punctuation should be placed outside of the brackets. For example:
...many methods have been tried [1-3] but none that achieved this result.

If you refer to a reference you have already mentioned previously, use the same number as given earlier.

It is important to give a page number with a reference when quoting directly, or when referring to a specific detail in a text (for example, a specific theory or idea, an illustration, a table, or a set of statistics). Use p. for a single page and pp. for more than one page. For example: [1, p. 3], [2, pp. 5-7], [3, para. 2.1].

To effectively cite quotations, use double quotation marks to enclose the direct text.

For a summary or paraphrase, you must also include an in-text citation. For example:
According to Jones [1], this difference can be as large as 500%.....

If you are using a number of sources in one citation, separate out the numbers by comma, for example [1], [3]. For a range of sources, use a hyphen, for example [5-7].

2. Reference list / Bibliography

The reference list is the list of sources you have used; it should contain enough details to enable another reader to find the exact text you are referring to. Only put a source in the reference list if it is cited in the body of work. Avoid using secondary references where possible; always aim to locate the original reference. Secondary references are given when you are referring to a source which you have not read yourself, but have read about in another source.

The order of the references in the list should be the same order as references appear in the text. The number should appear on the left in square brackets.

Author initials are quoted before the surname, and publication date is listed at the end.

Capitalise the major words of publication titles. Articles (a, an, the) and conjunctions (and, but, for, or) should be in lower case. Use standard abbreviations for journal titles or keywords where they are known; the IEEE list of standard abbreviations for its titles and for other key words can be found at: www.ieee.org/documents/ieeecitationref.pdf.

In the reference list you must list names of all authors, up to six names. If there are more than six names listed, use et al. after the first author.

Additional information is required for electronic references including the type of medium, which means the format e.g. [ebook] or [film] or [image]. You can also use [Online] as a type of medium. Where a DOI is available, it is preferred in place of a URL, in the form: doi: 10.1109/ICIST.2011.5760000, but you can give an internet address or database name instead if appropriate.

3. Reference list examples

Journal articles

Print Basic Format:

[1] J. K. Author, "Name of paper," *Abbreviated Title of Journal*, vol. [volume number], no. [Issue number – not always available], pp. [starting page number]-[end page number], Abbreviated Month, year.

Print Example:

[1] R. E. Kalman, "New results in linear filtering," *J. Basic Eng.*, vol. 83, pp. 95-108, Mar. 1961.

Electronic journal article basic format:

[1] J. K. Author, "Name of paper," *Abbreviated Title of Journal*, vol. [volume number], no. [Issue number – not always available], pp. [starting page number]-[end page number], Abbreviated Month, year. [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Electronic journal article example:

[1] W. P. Risk, G. S. Kino, and H. J. Shaw, "Fiber-optic frequency shifter using a surface acoustic wave incident at an oblique angle," *Opt. Lett.*, vol. 11, no. 2, pp. 115–117, Feb. 1986. [Online]. Available: <http://ol.osa.org/abstract.cfm?URI=ol-11-2-115>. [Accessed on: 13 April 2012].

Reports

Print Basic Format:

[1] J. K. Author, "Title of report," Abbreviated Name of Company or Issuing Body, City of Company or Issuing Body, Abbreviated USA State if required, Country, Rep. *Report number*, year.

Print Example:

[1] E. E. Reber, R. L. Michell, and C. J. Carter, "Oxygen absorption in the earth's atmosphere," Aerospace Corp., Los Angeles, CA, Tech. Rep. TR-0200 (4230-46)-3, Nov. 1988.

Online Basic Format:

[1] J. K. Author, "Title of report," Abbreviated Name of Company or Issuing Body, City of Company or Issuing Body, Abbreviated USA State if required, Country, Rep. *Report number*, year. [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Note – if the author is the issuing body or company, no need to repeat the company name just include the information on City and Country after first use of the company name as author name.

Online Examples:

[1] S. L. Talleen, "The IntraNet Architecture: Managing information in the new paradigm", Amdahl Corp, CA, USA, Rep. no. LTC3552, 2012. [Online]. Available:

<http://www.amdahl.com/doc/products/bsg/intra/infra/html>. [Accessed on 31 March 2015].

[2] Netscape Communications Corp., Palo Alto, CA, USA, "The new way to share workgroup information". [Online]. Available: <http://home.netscape.com/comprod/a>. [Accessed on 5 October 2012].

Books

Print basic format:

[1] J. K. Author, *Title of Book*, xth ed. City of Publisher, Country if not USA: Publisher, year.

Print Examples:

[1] R. Pears and G. Shields Eds. *Cite Them Right*, 2nd ed. Hampshire: Palgrave Macmillan, 2013.

Electronic Book basic format:

[1] J. K. Author, *Title of Book*, xth ed. City of Publisher, Country if not USA: Publisher, year. [eBook]. Available: [http://www.\(URL\)](http://www.(URL)) [Accessed: Date accessed]

Electronic Book examples:

[1] J. Jones, *Networks*, 2nd ed. 1991. [eBook]. Available: <http://www.atm.com> [Accessed on: 31 March 2012].

[2] M.E. El-Hawary, *Electric Power Applications of Fuzzy Systems*, 1998. [eBook]. Available: <http://www.knovel.com> [Accessed on: 4 June 2010].

Chapters of an edited book**Print basic format:**

[1] J. K. Author, "Title of chapter in the book," in *Title of the Book*, xth ed., J. K. Editor, Ed. City of Publisher, Country if not USA: Publisher, year, ch. [chapter number], sec. [section number], pp. xxx–xxx.

Print Example:

[1] E. F. Moore, "Gedanken-experiments on sequential machines," in *Automata Studies*, C. E. Shannon and J. McCarthy, Eds. Princeton, NJ: Princeton Univ. Press, 1965, pp. 129-153.

Electronic Book basic format:

[1] J. K. Author, "Title of chapter in the book," in *Title of Published Book*, xth ed. City of Publisher, Country if not USA: Abbreviation of Publisher, year, ch. [chapter number], sec. [section number], pp. xxx–xxx. [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: 4 June 2010].

Electronic Book example:

[1] N. McBride and I Elbeltagi, "Service Oriented Human Computer Interaction and Scripting", in *Issues of Human Computer Interaction*. A. Sarmento, Ed., Hershey, PA : IRM Press, 2005, pp. 1-20. Available: <http://www.ebscohost.com/ebooks>. [Accessed on 15 September 2014].

Webpages**Basic format:**

[1] J. K. Author.(year, month if available). *Title of webpage or website*, Abbreviated Name of Company or Issuing Body [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Note – Many web pages don't give an author. If you can't identify an author, use the organisation/corporate author instead.

Examples:

[1] BBC News (2014, Sept.). *Smart meters will save only 2% on energy bills, say MPs*. BBC News [Online]. Available: <http://www.bbc.co.uk/news/business-29125809>. [Accessed on: Sept. 12, 2014].

[2] Apple. *IEEE Standards Power & Energy Dictionary*, itunes.apple.com. [Online]. Available: <https://itunes.apple.com/gb/app/ieee-standards-power-energy/id491148158?mt=8> [Accessed on: Feb. 27, 2012]

Published Conference Papers**Print basic format:**

[1] J. K. Author, "Title of paper," in *Abbreviated Name of Conf.*, (location of conference is optional), year, pp. xxx-xxx

Print Example:

[1] S. P. Bingulac, "On the compatibility of adaptive controllers," in *Proc. 4th Annu. Allerton Conf. Circuit and Systems Theory*, New York, 1994, pp. 8–16

Online basic format:

[1] J. K. Author, "Title of paper," in *Abbreviated Name of Conf.*, (location of conference is optional), year. [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Online example:

X. Yang. "NIRA: a new Internet routing architecture," in *ACM SIGCOMM FDNA 2003 Workshop*. [Online]. Available: <http://www.isi.edu/newarch/DOCUMENTS/yang.nira.pdf>. [Accessed on: 16 June 2010].

Papers Presented at Conferences

Print basic format:

[1] J. K. Author, "Title of paper," presented at the abbrev. Name of Conf., City of Conf., year.

Note: don't repeat the date if the year appears in the conference title

Print example:

[1] J. G. Kreifeldt, "An analysis of surface-detected EMG as an amplitude-modulated noise," presented at the 1989 Int.Conf. Medicine and Biological Engineering, Chicago, IL

Online basic format:

[1] J. K. Author. Title of paper. presented at the abbrev. Name of Conf., City of Conf., year. [Online].

Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Online example:

J. A. Jones. Lazer history. Presented at the International Lazer Conference, Atlanta, Georgia, USA. 2009.

[Online]. Available: <http://www.lazerconference.org>. [Accessed on 27 March 2014].

Theses and Dissertations

Basic format:

[1] J. K. Author, "Title of thesis," M.S. thesis, Abbreviated Department, Abbreviated University, City of University, Abbreviated USA State (if required), year.

[2] J. K. Author, "Title of dissertation," Ph.D. thesis, Abbreviated Department, Abbreviated University, City of University, Abbreviated USA State (if required), year.

Example:

[1] J. O. Williams, "Narrow-band analyzer," Ph.D. thesis, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.

Patents

Basic format:

[1] J. K. Author, "Title of patent," U.S. Patent x xxx xxx, Abbrev. Month, day, year.

Example:

[1] J. P. Wilkinson, "Nonlinear resonant circuit devices," U.S. Patent 3 624 125, July 16, 1990.

Online basic format:

Name of the invention, by inventor's name. (year, month day). *Patent Number* [Online]. Available: [http://www.\(URL\)](http://www.(URL)). [Accessed on: accessed date].

Online example:

Musical toothbrush with adjustable neck and mirror, by L.M.R. Brooks. (1992, May 19). *Patent D 326 189* [Online]. Available: NEXIS Library: LEXPAT File:DESIGN [Accessed on: 13 January 2014].

4. Help

See more detailed referencing instructions from IEEE at: http://www.ieee.org/documents/style_manual.pdf Page 34 onwards. For assistance using this guide, or if you want to use the IEEE referencing style within a reference management tool such as RefWorks or Endnote Online, contact the Academic Support Team at the Library and Archives Service: libsupport@bangor.ac.uk