

IEEE Citation & Referencing Style

IEEE stands for the **Institute of Electrical and Electronics Engineers.**

IEEE citation and referencing style is used primarily for publications in engineering, electronics, telecommunications, computer science and information technology.

IEEE Citation:

IEEE style encloses citation numbers within the text of a paper in square brackets [1] whereas other styles may use superscripts¹ or bracketed forms (Jones, 1998)/(Jones 98)

- Numbers provided in square brackets in in-text citations, must correspond to the appropriate sources in the reference list at the end of the paper.
- The in-text citations numbers start at [1] and continue in ascending order throughout the paper – unless you are referring to a source you have already cited in your text, in which case you can use the previously assigned number.

In-text citations can be:

1. Indirect (using paraphrasing and summarizing) or
2. Direct (using direct quotes)

1. IEEE Indirect in-text citations

Citation number should be enclosed by square brackets and appear on the text line, inside sentence punctuation, with a space before the bracket

e.g: Thevenin's and Norton's theorems are widely used for circuit analysis simplification [13].

Citations of references may be given simply as:

e.g: In [1], circuit analysis is described..., *rather than as* In reference [1]

Citations can be grammatically treated as:

- footnote numbers, e.g.
 - As shown by Jones [4] ...
 - For more details, see [1], [3], [7].
 - as mentioned earlier [3]–[6], [8] ...
 - Taylor et al. [5] have noted ...
- or nouns, e.g.
 - As seen in [2] ...
 - According to [4] and [6]–[8] ...
 - In contrast to [5], it is evident that...
 - As demonstrated in [4] ...

IEEE Indirect contd.

When it is necessary to mention the author/s name/s, they can be mention:

- Rickard [5] has shown ...
- Jones [6], and Zheng and Rogers [7] have stated ...

For more than three authors, provide 'et al.' (meaning 'and others') after the first author mentioned in the paper. Note that 'et al.' is not italicised in the in-text citations. e.g.

- Azzarello et al. [3] stated that they were unable to determine why ...

When paraphrasing (expressing an idea or a fact found in a source using different words), provide your citation number directly after the paraphrased section - this is not necessarily at the end of the sentence, unless it is where the paraphrased section occurs:

- In contrast to data partitioning structures [13], the space partitioning structures show better performance for dynamic memory resident data [14]–[15].

2. IEEE Direct in-text citations

When direct quotes are used to support an argument showing the exact words and phrases of an author according to the original source, enclose quotes in double quotation marks and provide the citation in square brackets after the quotation/ after the author's name along with the page number(s).

Examples of a short direct quote:

- Baez et al. have noted that "full 3D stacking can potentially offer additional advantages for memory and processor applications" [7, p. 14].
- In fact, Wilde et al. [3, p. 21] suggest that energy storage is achieved "by means of static charge rather than of an electro-chemical process inherent to the battery".
- If you need to leave some unnecessary words out of the quotation, use a set of dots (...), called an **ellipsis**, indicating a break in quotes.
- As seen in [5, p. 14], "the proposed circuit has improved signal attenuation ... and has been experiencing less performance degradation due to resistor variation".

IEEE Direct contd.

Example of a longer direct quote:

- If you use longer quotations (of three lines and more), use a block quotation by setting the block of quoted text as a paragraph. Use smaller font size for block quotations, and also indent them from both margins, for example:

As Abad notes:

It is also desirable to minimize the parasitic capacitance of electronic packages because it is another source of signal delay. Consequently, a very low relative dielectric constant insulating material should be used whenever possible, since the relative dielectric constant is a measure of a material's total polarizability and determines its charge storage capacity with respect to a vacuum [7, p. 63].

- Provide the in-text citation in square brackets after the quotation, along with the page number(s) of the source where the quoted words or phrases are taken from.

Pagination:

- Always provide page number(s) in the in-text citation when quoting directly
- It is **not** necessary to provide page number(s):
 1. if you are referring to an entire work
 2. if you are paraphrasing or summarizing a longer section
 3. if the work is only one page long

In an event where a specific theory or idea in a text is paraphrased, summarized or referred, you should provide the page number, the page range or the paragraph number along with the in-text citation. This helps the reader locate the relevant passage, especially if it is in a long or complex text, or if you need to refer to the same source on a number of occasions.

If that is not provided along with the in-text citation, the page number, or the range of page numbers may alternatively be provided in the reference list to help identify the relevant place in a source where the information is found.

Pagination is cited as p. for a single page or pp. for multiple pages.

- Single page ... as demonstrated in [5, p. 17]
- Page range ... as seen in [5, pp. 6-12]
- Paragraph ... as noted in [4, para. 4.2]
- Chapter ... as argued in [6, Ch. 2, pp. 7-13]
- Figure ... as seen in [8, Fig. 33]
- Table ... as shown in [7, Tab. 14]
- Equation ... as evident in [6, eq. 8]
- Appendix ... shown in a greater detail in [8, Appendix IV]
- Algorithm ... seen in [7, Algorithm 9]
- Example ... as shown [13, Example 3]
- Section ... as suggested in [5, Sec. 2.3]

Rules on citing secondary sources:

- If an author refers to an idea/ words mentioned in another author's work, you cannot cite that.
- You must locate the **original source** and cite the original source.
- If original source cannot be located, you **MUST NOT** cite that.

*Here, secondary sources mean sources mentioned in the text of the paper you read.

Ways to cite secondary sources if you have no access to the original source:

Airstic Drum: a Drumstick for Integration of Real and Virtual Drums

By Hiroyuki Kanke, Yoshinari Takegawa, Tsutomu Terada & Masahiko Tsukamoto

[...] T. M. Patola evaluated the difference in performance quality between real drums and virtual drums, and described how virtual drums were difficult for keeping tempos accurately compared with real drums [7]. [...]

If you are unable to locate the original source [7] cited by the authors of 'Airstic Drum:...', and if you still think it's important to mention in your paper what source [7] stated, then

- Refer the paper you extracted those points from
- Clearly state that those are not the views of the writer/s of this paper but of the writer/s of the secondary source

Here, you can insert the citation number according to your list of references instead of the full name of the paper

Ex. The writers of the paper 'Airstic Drum:...', present the evaluation of T.M. Patola's study that reveals the difficulties in maintaining the accuracy of tempos in virtual drums as opposed to real drums.

IEEE Referencing:

Please refer [3] the '[IEEE Referencing Style](#)' published by the Library,
University of Moratuwa

References:

- [1] D. Newton, "BiNus International Thesis Writing Workshop Institute of Electrical and Electronics Engineers (IEEE) English Language Services 4 February ppt download", *Slideplayer.com*, 2010. [Online]. Available: <https://slideplayer.com/slide/6670230/>. [Accessed: 06- Aug- 2019].
- [2] "Library Guides: IEEE Referencing: Getting started with IEEE referencing", *Libraryguides.vu.edu.au*, 2018. [Online]. Available: <http://libraryguides.vu.edu.au/ieeereferencing/gettingstarted>. [Accessed: 06- Aug- 2019].
- [3] "IEEE Referencing Style", *Lib.mrt.ac.lk*, 2017. [Online]. Available: http://www.lib.mrt.ac.lk/images/User%20Education_%20Guidelines_IEEE.pdf. [Accessed: 07- Aug- 2019].