

What is IEEE Style?

The Institute for Electrical and Electronics Engineers (IEEE) is a professional organization supporting many branches of engineering, computer science, and information technology. In addition to publishing journals, magazines, and conference proceedings, IEEE also makes many standards for a wide variety of industries.


IEEE citation style includes in-text citations, numbered in square brackets, which refer to the full citation listed in the reference list at the end of the paper. The reference list is organized numerically, not alphabetically. For examples, see the IEEE Editorial Style Manual.

IEEE Citation Guide: How to Cite in IEEE Style

First of all, when it comes down to in-text IEEE citation in engineering format, it should be noted that all that students have to do is use square brackets with appropriate numbering. It should refer to full source IEEE citation that is mentioned full in the References list.

In other words, one should not ever mention the author's credentials or publication date when supporting arguments. For example, a part of the text where a quote is given should always end with [1] or [2] for the second source, corresponding to a specific entry in your Bibliography.

There are three main rules that have to be remembered for in-text citations in IEEE:

- 
- Put brackets citing within paper text before any punctuation comes up. Use space before the first bracket.
 - Each source should maintain the same numbering pattern as it has been previously specified.
 - Once citing several sources at once, it is recommended to list each number in separate brackets.
 - A comma or a dash should be placed for separation. As an example: [2], [11], [34]. Alternatively, students can use [5] – [12].

See how in-text citations are mixed with text:

"...as a result, software complications became more user-friendly [14]."

"It could provide several options for mechanical engineering that were less challenging financially, compared to surveys done in 2005 [4]."

"Williams [34] has argued that Python programing can be..."

"Several research platforms [3], [18], [22] have shown that..."

"As most professors recommended, refer to [11]."

IEEE Format Reference Page with Examples

Reference sorting in the IEEE citation list should be listed numerically (using numbers) and not alphabetically like in APA or MLA formats.

IEEE Citation Format

Bracketed numbers have to be placed before the start of each entry.

The author's name should be listed as First Initial and Last Name. For example, Einar Jonas Halldorsson should be cited as O. Jonas Halldorsson and not as Jonas Einar, Halldorsson.

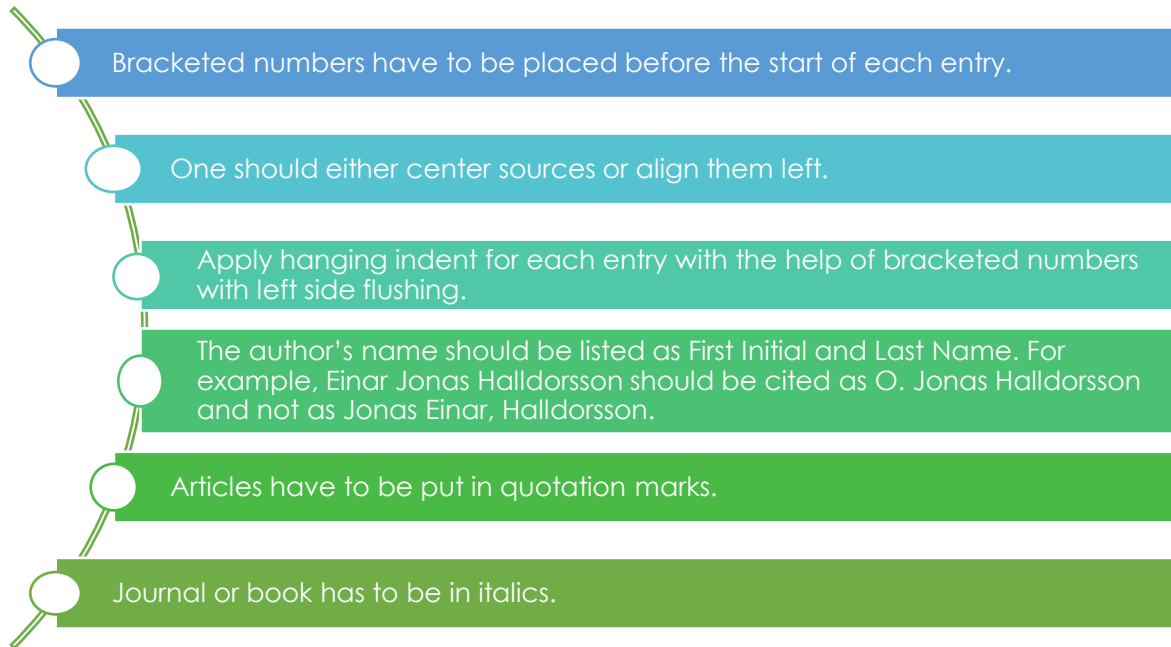
[Number] First Name Initial(s) Last Name. "Page Title." Website Title. Web Address [accessed Month Day Year].

Articles have to be put in quotation marks.

Journal or book has to be in italics.

Example in Bibliography:
[8] D. Wilson. "Aeronautics Management and Psyche: Templates." Nevada Center Engineering Institute. <http://www.site.org> [accessed Feb. 14, 2018].

Before we proceed with Reference examples, let us remind you of these obligatory page layout rules:



Print Book

For sources that are in print, follow this example from IEEE citation maker:

[Number] A. Last Name and B. Last Name, *Title*. City, State: Publisher, Year.

[1] B. Hansen and R. Chang, *Network Engineering Introduction*. Cambridge, MA: MIT Press, 2016.

No author

For such case, title or entry name are used in italics.

[Number] *Title*. City, State: Publisher, Year.

[2] *Compuserve*. Seattle, WA: National Internet Archive, 1996.

Chapter in book

Remember to italicize book:

[Number] A. Last Name, "Title," in *Book*, First Name Initial. Last name, Ed. City: Publisher, Year, pp. 1-2.

[3] R. Sothberry, "Bridge Patterns in Motherboard," in *Computer Generation*, J. S. Birch, Ed. New York: Wiley, 2007, pp.159-273.

E-Book citing

[4] First name / Last Name, First name / Last Name, and First Name Last Name, *E-Book title*, 2nd ed. City, State: Publisher, Year. [source type] Available: source.

[4] K. Cameron, P. Hughes, and R. Kasner, *Navy Engineer Guidebook*, 2nd ed. Reading, MA: Naval Science, 2001. [E-book] Available: Apple Store e-book.

Article citing

[Number] First Name / Initials / Last Name, "Title," *Abbr. Title of Journal*, vol. Edition, pp., Abbr. Month. Year.

[5] A. C. Dunlop, "Microfiber underwater – Part 2: Salt Analysis," *Martin Lockheed Corp. J.*, vol. ED-17, pp. 11-27, Jan. 2012.

Citing Journal article with DOI

[Number] First Name / Last Name, "Title," *Journal abbreviated*, vol., issue, pp., Abbr. month. Year. DOI: xx.xxx/00000000

[6] S. N. Stransky, "Brain Sensorics," *Med. Scientific Eng.*, vol. 36, no. 13, pp. 19-31, Jan. 2020, doi:10.000/00000000

Journal article without DOI

[Number] First Last Name and First Name Initials Last Name, "Title," *Journal abbreviation.*, Vol, pp. 00-10, Month. Year.

[7] R. W. Kuhlenbeck and V. Kanrev, "Thermal Analysis in Simulation R4: Sensors processing," *NASA Thermal Eng.*, vol. 63, pp. 23-41, Nov. 2000.

Website citation

[Number] First Name Initial(s) Last Name. "Page Title." Website Title. Web Address (accessed Month Day Year).

[8] D. Wilson. "Aeronautics Management and Psyche: Templates." Nevada Center Engineering Institute. <http://www.site.org> (accessed Feb. 14, 2018).

Conference paper citation

[Number] Author, "Title of paper," in *Abbreviated Name of Conf.*, location of conference (optional), Month and day(s) if provided, year, pp. xxx-xxx.

[11] L. Moody and D. Carsten, "Advanced Software Apps," in *Rec. 12th Int. Conf. Modern Applications Eng.*, Los Angeles, CA, USA, May 4-11, 2012, pp.13-18.

IEEE Newspaper article (from database)

[Number] Author, "Title," *Title of Newspaper*, no. x, pages, Abbrev. Month, year. Accessed: Month, Day, Year. [Online]. Available: URL.

[13] B. Staples, "Navigation Rules," *The US Marine J.*, 6, p. 39, Nov. 2014. Accessed: September 12, 2015. [Online]. Available: <http://xyz.com>.

Thesis/Dissertation

[17] First Last Name, "Title," Dissertation Type and Degree, Abbreviated Department or Field, University Abbreviated, City, State, Country, Year.

[17] M. E. Sandberg, "Sub-oscillation Frequencies and Synthesis," Ph.D. dissertation, Dept. Elect. Eng., Berkeley Univ., Los Angeles, CA, 2009.

How to use an in-text citation if author's name is unknown?

For such case, one should use [1] number even if sources differ by type. If one has to include a reference in text, use organization's name or general title of an entry.

For example:

"Based on Apple Inc. Research [12], corporate ethics were based on engineering approach that allowed customers..."

References:

“Free IEEE Citation Generator [2023 Updated] - EduBirdie.com™,” *Edubirdie*, Jan. 03, 2023. <https://edubirdie.com/citation/ieee/> (accessed Apr. 01, 2023).