

WHAT IS IT?

The Institute for Electrical and Electronics Engineers (IEEE) style is used for documenting work in a variety of disciplines, including engineering, computer science, and information technology. *IEEE's citation system uses in-text bracketed numbers that correspond to bibliographic entries in the References section.* For more information, consult the KSU Writing Center's IEEE FORMATTING handout, the [IEEE Reference Guide](#) at ieeauthorcenter.ieee.org, or visit us for one-on-one help.

IN-TEXT CITATIONS

- Cite all borrowed (paraphrased, summarized, or quoted) information from a source.
- Limit direct quotations; quote only when necessary to preserve unique wording or provide context.
- To indicate the source of borrowed material, place a bracketed number (e.g., [1]) at the end of the sentence or clause. Provide correspondingly numbered citation information in your "References" section (see next section for formatting guidelines).
- Number sources sequentially as they appear in your paper. Do not assign multiple numbers to the same source: if referring to a source multiple times, repeat the earlier citation number.
- Grammatically, bracket numbers can function either as a footnote or a noun (e.g., "*the compiled data showed the benefits of a track simulator [5]*" and "*as demonstrated in [5], a track simulator offers real benefits*" are both correct).
- Avoid naming the author in signal phrases; instead of "*In Omar [1]*" use "*In [1]*".
- If the author is essential to the information or sentence structure, write "*Omar [1] calculated . . .*"
- When using direct quotations, include the page number and/or section number from the source: [3, pp. 3-5], [3, Ch. 2], or [3, Ch. 2, pp. 3-5]
- Dates are not included unless they are part of your content: (e.g., *The theory was proposed in 2010 [7].*)
- Instead of directly referring to figures in a reference—i.e., *in Fig. 2 of reference [1]*—use the IEEE cross-reference notation—i.e., *in [1, Fig. 2]*.
- Multiple references within a single in-text citation should each be placed in their own bracket and separated with a comma or a dash (e.g., "*Several studies [3], [10], [22] have suggested*" or "*Researchers [1]-[5] have shown*").

REFERENCES

The References section begins on a separate page at the end of your paper with the heading "REFERENCES." (See the KSU Writing Center's IEEE FORMATTING handout for specific guidelines on headings.)

- Each source should be listed and numbered in order of appearance in your paper (not alphabetically). List all authors up to six. If there are more than six, name the first author followed by et al.
- Single-space notes but double-space *between* individual entries.
- Do not use your word-processing program's endnote feature to insert superscript numbers/ corresponding entries.
- Numbers should be left aligned and enclosed in brackets. The bracketed numbers should appear as a column separate from the rest of the reference entries.
- Use abbreviated titles for the names of journals and conferences. Refer to the *IEEE Reference Guide* for a complete list of accepted IEEE abbreviations.

SAMPLE REFERENCE ENTRIES

ARTICLE FROM JOURNAL

- [1] R. Ahlfeld, F. Ciampoli, M. Pietropaoli, N. Pepper, and F. Montomoli, "Data-driven uncertainty quantification for Formula 1: Diffuser, wing tip and front wing variations," *Proc. of the Inst. of Mech. Eng.*, vol. 233, no. 6, pp. 1495-1506, Mar., 2019, doi: 10.1177/0954407019835315.

WEBSITE

- [2] Z. Kleinman, "Ada Lovelace: Opium, maths and the Victorian programmer," *BBC News*, Oct. 12, 2015. <https://www.bbc.com/news/technology-34505896> (accessed Aug. 20, 2019).

* *For homepages and informal websites—fan pages—or websites without formal titles, use a descriptive title.*

SOFTWARE

- [3] *Ansible*. (2019), RedHat. Accessed: Aug. 20, 2019. [Online]. Available: <https://www.ansible.com/>

DATASET

- [4] *Python 3.6 (Spyder) program file detection of corrupt data in a PV plant database*, IEEE Dataport, doi: <http://dx.doi.org/10.21227/bk6y-6j88>. Aug. 27, 2019.

ONLINE VIDEO

- [5] Mercedes-AMG Petronas Motorsport. *Valtteri Bottas Explains 2019 Mercedes F1 Steering Wheel*. (Mar. 15, 2015). Accessed: Aug. 20, 2019. [Online Video]. Available: <https://youtu.be/OX58IkeSl4c>

EBOOK

- [6] B. Harwani, *Unix and Shell Programming*, New York, NY, US: Oxford Univ. Press, 2013. [Online] Available: Knovel.

BOOK

- [7] M. Kerrisk, *The Linux Programming Interface: A Linux and UNIX System Programming Handbook*, R. Hoffman, Ed., San Francisco, CA, US: No Starch Press, 2010.

CHAPTER IN A BOOK

- [8] E. Gamma, R. Helm, R. Johnson, and J. Vlissides, "Embellishing the use interface," in *Design Patterns: Elements of Reusable Object-Oriented Software*, B.W. Kernighan, Ed., New York City, NY, USA: Addison-Wesley, 1994, ch. 2, sec. 4, pp. 43-46.

CONFERENCE

- [9] M. Kang, D.I. Kang, J.P. Walters, and S.P. Crago, "A comparison of system performance on a private OpenStack cloud and Amazon EC2," presented at 2017 IEEE 10th Int. Conf. on Cloud Comput., Honolulu, CA, USA, June 25-30, 2017.

PERIODICAL

- [10] W. Rash, "Invisible malware is here and your security software can't catch it," *PC Magazine*, pp. 33-37, June, 2019.

THESIS/DISSERTATION

- [11] C. Gómez Carrasco, "High performance computing techniques applied to the design of complex railway infrastructures," Ph.D. dissertation, Comput. Sci. and Eng. Dept., Univ. Carlos III of Madrid, Madrid, Spain, 2016.