IEEE Citation Reference


Citation standards in this reference are provided for:

- Books
- Handbooks
- Reports
- Conference Technical Articles
- Online Sources
- Patents, Standards, Theses, Unpublished
- Periodicals
- References

### Books

**Basic Format:**


**NOTE:** Use *et al.* when three or more names are given.

**Examples:**


### Handbooks

**Basic Format:**


**Examples:**

Reports

The general form for citing technical reports is to place the name and location of the company or institution after the author and title and to give the report number and date at the end of the reference.

Basic Format:


Examples:


Conference Technical Articles

The general form for citing technical articles published in conference proceedings is to list the author/s and title of the paper, followed by the name (and location, if given) of the conference publication in italics using these standard abbreviations.

| When the word below appears in the conference publication title, abbreviate to |
|----------------------------------|-----------------------|
| Annals                           | Ann.                 |
| Annual                           | Annu.                |
| Colloquium                       | Colloq.              |
| Conference                       | Conf.                |
| Congress                         | Congr.               |
| Convention                       | Conv.                |
| Digest                           | Dig.                 |
| Exposition                       | Expo.                |
| International                    | Int.                 |
| National                         | Nat.                 |

| When the word below appears in the conference publication title, abbreviate to |
|----------------------------------|-----------------------|
| Proceedings                      | Proc.                 |
| Record                           | Rec.                  |
| Symposium                        | Symp.                 |
| Technical Digest                 | Tech. Dig.            |
| Technical Paper                  | Tech. Paper           |
| First                            | 1st                   |
| Second                           | 2nd                   |
| Third                            | 3rd                   |
| Fourth/nth ...                   | 4th/nth...            |

Write out all the remaining words, but omit most articles and prepositions like “of the” and “on.” That is, Proceedings of the 1996 Robotics and Automation Conference becomes Proc. 1996 Robotics and Automation Conf.

Basic Format:


For an electronic conference article when there are no page numbers:

[1] J. K. Author [two authors: J. K. Author and A. N. Writer ] [three or more authors: J. K. Author et al.], “Title of Article,” in [Title of Conf. Record as it appears on the copyright page], [copyright year] © [IEEE or applicable copyright holder of the Conference Record]. doi: [DOI number]

For an unpublished paper presented at a conference:

Online Sources

The basic guideline for citing online sources is to follow the standard citation for the source given previously and add the Digital Object Identifier (DOI) at the end of the citation, or add the DOI in place of page numbers if the source is not paginated. The DOI for each IEEE conference article is assigned when the article is processed for inclusion in the IEEE Xplore digital library and is included with the reference data of the article in Xplore. See The DOI System for more information about the benefits of DOI referencing.

The following sources are unique in that they are electronic only sources.

FTP

Basic Format:
Example:

WWW
Basic Format:
Example:

E-Mail

Basic Format:
[1] J. K. Author. (year, month day). Title (edition) [Type of medium]. Available e-mail: Message:
Example:

Telnet

Basic Format:
Example:
**Patents**

*Basic Format:*


*Example:*


**NOTE:** Use “issued date” if several dates are given.

**Standards**

*Basic Format:*

[1] Title of Standard, Standard number, date.

*Examples:*


**Theses (M.S.) and Dissertations (Ph.D.)**

*Basic Format:*


*Examples:*


**Unpublished**

These are the two most common types of unpublished references.

*Basic Format:*


*Examples:*

Periodicals

NOTE: When referencing IEEE Transactions, the issue number should be deleted and month carried.

Basic Format:


Examples:


** Always use this style when the paper has not yet been accepted or scheduled for publication. Do not use “to appear in.”

Abbreviations for IEEE Periodicals

Proceedings of the IEEE abbreviates to: Proc. IEEE
Proceedings of the IRE abbreviates to: Proc. IRE (until 1962)

IEEE Journals

IEEE J. Solid-State Circuits
IEEE Sensors J.
IEEE Syst. J.
J. Lightw. Technol.
J. Microelectromech. Syst.

IEEE Letters

IEEE Commun. Lett.

IEEE Magazines

IEEE Antennas Propagat. Mag.
IEEE Computer
IEEE Concurrent
IEEE Control. Syst. Mag.
IEEE Expert (until 1997)
IEEE Intell. Syst.
IEEE Internet Comput.
IEEE IT Prof.
IEEE Micro
IEEE Microwave
IEEE Multimedia
IEEE Nanotechnol. Mag.
IEEE Network
IEEE Potentials
IEEE Softw.
IEEE Spectr.
Today’s Eng.
IEEE Transactions abbreviations

IEEE Human–Factors Electron. (until 1968)
IEEE Trans. Electron Devices
IEEE Trans. Inf. Theory
IEEE Trans. Multimedia
IEEE Trans. Very Large Scale Integr. (VLSI) Syst.
References

NOTE: Use et al. when three or more names are given.

References in Text:
References need not be cited in the text. When they are, they appear on the line, in square brackets, inside the punctuation. Grammatically, they may be treated as if they were footnote numbers, e.g.,

as shown by Brown [4], [5]; as mentioned earlier [2], [4]–[7], [9]; Smith [4] and Brown and Jones [5]; Wood et al. [7]
or as demonstrated in [3]; according to [4] and [6]–[9].

References Within a Reference:
Check the reference list for ibid. or op. cit. These refer to a previous reference and should be eliminated from the reference section. In text, repeat the earlier reference number and renumber the reference section accordingly. If the ibid. gives a new page number, or other information, use the following forms:

[3, Th. 1]; [3, Lemma 2]; [3, pp. 5-10]; [3, eq. (2)]; [3, Fig. 1]; [3, Appendix I]; [3, Sec. 4.5]; [3, Ch. 2, pp. 5-10]; [3, Algorithm 5].

NOTE: Editing of references may entail careful renumbering of references, as well as the citations in text.

Style
Reference numbers are set flush left and form a column of their own, hanging out beyond the body of the reference. The reference numbers are on the line, enclosed in square brackets. In all references, the given name of the author or editor is abbreviated to the initial only and precedes the last name. Use commas around Jr., Sr., and III in names. If there are many names, use et al. Note that when citing IEEE Transactions, if the month is not available, the number may be kept, although it is normally deleted. Keep the day of the month when referencing a patent. References may not include all information; please obtain and include relevant information. Do not combine references. There must be only one reference with each number. If there is a URL included with the print reference, it can be included at the end of the reference.

When the word below appears in the reference, abbreviate to

<table>
<thead>
<tr>
<th>Acoustics</th>
<th>Electrical</th>
<th>Nuclear</th>
</tr>
</thead>
<tbody>
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<td>Administration</td>
<td>Electronic</td>
<td>Occupation</td>
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<td>American</td>
<td>Engineering</td>
<td>Philosophical</td>
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<td>Proceedings</td>
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<td>Processing</td>
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<td>Foundation</td>
<td>Production</td>
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<td>Science</td>
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<tr>
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<td>International</td>
<td>Selected</td>
</tr>
<tr>
<td>Computer(s)</td>
<td>Journal</td>
<td>Society</td>
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<tr>
<td>Congress</td>
<td>Letter(s)</td>
<td>Sociological</td>
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<td>Convention</td>
<td>Machine</td>
<td>Statistics</td>
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<td>Correspondence</td>
<td>Magazine</td>
<td>Studies</td>
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<td>Supplement</td>
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<td>Symposium</td>
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<td>Digest</td>
<td>Mechanical</td>
<td>Technical</td>
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<td>Economic(s)</td>
<td>National</td>
<td>Telecommunication</td>
</tr>
<tr>
<td>Education</td>
<td>Newsletter</td>
<td>Transactions</td>
</tr>
</tbody>
</table>

Abbreviations:

- Acoust. = Acoustics
- Admin. = Administration
- Administ. = Administrative
- Amer. = American
- Anal. = Analysis
- Ann. = Annals
- Annu. = Annual
- App. = Apparatus
- Applicat. = Applications
- Appl. = Applied
- Assoc. = Association
- Automat. = Automatic
- Broadcast. = Broadcasting
- Bus. = Business
- Commun. = Communications
- Comput. = Computer(s)
- Congr. = Congress
- Conv. = Convention
- Corresp. = Correspondence
- Cybern. = Cybernetics
- Dept. = Department
- Develop. = Development
- Dig. = Digest
- Econ. = Economic(s)
- Educ. = Education
- Elect. = Electrical
- Eng. = Engineering
- Ergonom. = Ergonomics
- Evol. = Evolutionary
- Found. = Foundation
- Geosci. = Geoscience
- Graph. = Graphics
- Ind. = Industrial
- Ind. = Industry
- Inform. = Information
- Inst. = Institute
- Int. = Intelligence
- Intell. = Intelligence
- J. = Journal
- Lett. = Letter(s)
- Mach. = Machine
- Mag. = Magazine
- Manag. = Management
- Math. = Mathematic(s)
- Mech. = Mechanical
- Nat. = National
- Newslett. = Newsletter
- Nucl. = Nuclear
- Occupat. = Occupation
- Philosph. = Philosophical
- Proc. = Proceedings
- Process. = Processing
- Prod. = Production
- Productiv. = Productivity
- Quart. = Quarterly
- Rec. = Record
- Rel. = Reliability
- Rep. = Report
- Roy. = Royal
- Sci. = Science
- Select. = Selected
- Soc. = Society
- Sociol. = Sociological
- Stat. = Statistics
- Stud. = Studies
- Suppl. = Supplement
- Symp. = Symposium
- Syst. = Systems
- Tech. = Technical
- Trans. = Transactions
- Veh. = Vehicular
- Work. = Working

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