

EDITING REFERENCES

A. Citing References

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]

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

or as nouns:

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.

B. 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 them all; use *et al.* only if names are not given. 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.

Periodicals

Prior to 1988, the volume number of IEEE Transactions/Journals carried the acronym of the journal. For example, an issue of the IEEE TRANSACTIONS ON AUTOMATIC CONTROL would read: *IEEE Trans. Automat. Contr.*, vol. AC-26, pp. 1–34, Jan. 1981. When referencing IEEE Transactions, the issue number should be deleted and month carried.

NOTE: The only exception to this rule is PROCEEDINGS OF THE IEEE, which never carried an acronym on the masthead.

Basic Format:

- [1] J. K. Author, "Name of paper," *Abbrev. Title of Periodical*, vol. *x*, no. *x*, pp. xxx-xxx, Abbrev. Month, year.

Examples:

- [1] R. E. Kalman, "New results in linear filtering and prediction theory," *J. Basic Eng.*, ser. D, vol. 83, pp. 95-108, Mar. 1961.
- [2] J. U. Buncombe, "Infrared navigation—Part I: Theory," *IEEE Trans. Aerosp. Electron. Syst.*, vol. AES-4, pp. 352–377, Sept. 1944.
- [3] _____, "Infrared navigation—Part II: An assessment of feasibility," *IEEE Trans. Aerosp. Electron. Syst.*, vol. AES-4, pp. 588–613, Nov. 1944.
- [4] H. Eriksson and P. E. Danielsson, "Two problems on Boolean memories," *IEEE Trans. Electron. Devices*, vol. ED-11, pp. 32–33, Jan. 1959.
- [5] F. Aronowitz, "Theory of traveling-wave optical maser," *Phys. Rev.*, vol. 134, pp. A635–A646, Dec. 8, 1965.
- [6] Ye. V. Lavrova, "Geographic distribution of ionospheric disturbances in the F2 layer," *Tr. IZMIRAN*, vol. 19, no. 29, pp. 31–43, 1961 (Transl.: E. R. Hope, Directorate of Scientific Information Services, Defence Research Board of Canada, Rep. T384R, Apr. 1963).
- [7] E. P. Wigner, "On a modification of the Rayleigh–Schrodinger perturbation theory," (in German), *Math. Naturwiss. Anz. Ungar. Akad. Wiss.*, vol. 53, p. 475, 1935.
- [8] E. H. Miller, "Antenna reflector arrays," *IEEE Trans. Antennas Propag.*, to be published. *** Always use this style when the paper has been accepted or scheduled for a future publication, i.e., do not use "to appear in." ***
- [9] C. K. Kim, "Effect of gamma rays on plasma," submitted for publication. *** Always use this style when the paper has not yet been accepted or scheduled for publication, i.e., do not use "to appear in." ***
- [10] W. Rafferty, "Ground antennas in NASA's deep space telecommunications," *Proc. IEEE* vol. 82, pp. 636-640, May 1994.
- [11] J. S. Turner, "New directions in communications," *IEEE J. Select. Areas Commun.*, vol. 13, pp. 11-23, Jan. 1995.
- [12] L. T. Wu *et al.*, "Real-time analytic sensitivity method for transient security assessment and prevent control," *Proc. Inst. Elect. Eng.*, vol. 135, pt C, pp. 107-117, Mar. 1988.
Authors may refer to this journal as *Proc. IEE*, but the abbreviation must be as listed above. *Proc. IEE* is printed in the U.K. and must not be confused with the *Proc. IEEE*.
- [13] *Special Issue on Artificial Neural Network Applications*, *Proc. IEEE*, vol. 84, pp. 1353-1576, Oct. 1996.

Article Referred to in the Same Issue:

- [1] R. U. Aslip, "Surface and leaky wave antennas," *IEEE Trans. Circuits Syst. I*, vol. 30, pp. 545–546, Jan. 2000.

NOTE: Handle it exactly as you would any other reference.

Books

Basic Format:

- [1] J. K. Author, "Title of chapter in the book," in *Title of His Published Book*, xth ed. City of Publisher, Country if not USA: Abbrev. of Publisher, year, ch. x, sec. x, pp. xxx-xxx.

Examples:

- [1] B. Klaus and P. Horn, *Robot Vision*. Cambridge, MA: MIT Press, 1986.
- [2] L. Stein, "Random patterns," in *Computers and You*, J. S. Brake, Ed. New York: Wiley, 1994, pp. 55-70.
- [3] R. L. Myer, "Parametric oscillators and nonlinear materials," in *Nonlinear Optics*, vol. 4, P. G. Harper and B. S. Wherret, Eds. San Francisco, CA: Academic, 1977, pp. 47-160.
- [4] M. Abramowitz and I. A. Stegun, Eds., *Handbook of Mathematical Functions* (Applied Mathematics Series 55). Washington, DC: NBS, 1964, pp. 32-33.
- [5] E. F. Moore, "Gedanken-experiments on sequential machines," in *Automata Studies* (Ann. of Mathematical Studies, no. 1), C. E. Shannon and J. McCarthy, Eds. Princeton, NJ: Princeton Univ. Press, 1965, pp. 129-153.
- [6] Westinghouse Electric Corporation (Staff of Technology and Science, Aerospace Division), *Integrated Electronic Systems*. Englewood Cliffs, NJ: Prentice-Hall, 1970.
- [7] M. Gorkii, "Optimal design," *Dokl. Akad. Nauk SSSR*, vol. 12, pp. 111-122, 1961 (Translated in L. Pontryagin, Ed., *The Mathematical Theory of Optimal Processes*. New York: Interscience, 1962, ch. 2, sec. 3, pp. 127-135).
- [8] G. O. Young, "Synthetic structure of industrial plastics," in *Plastics*, vol. 3, *Polymers of Hexadromicon*, J. Peters, Ed., 2nd ed. New York: McGraw-Hill, 1964, pp. 15-64.

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:

- [1] J. K. Author, "Title of report," Abbrev. Name of Co., City of Co., Abbrev. State, Rep. xxx, year.

Examples:

- [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.
- [2] J. H. Davis and J. R. Cogdell, "Calibration program for the 16-foot antenna," Elect. Eng. Res. Lab., Univ. Texas, Austin, Tech. Memo. NGL-006-69-3, Nov. 15, 1987.
- [3] R. E. Haskell and C. T. Case, "Transient signal propagation in lossless isotropic plasmas," USAF Cambridge Res. Labs., Cambridge, MA, Rep. ARCRL-66-234 (II), 1994, vol. 2.
- [4] M. A. Brusberg and E. N. Clark, "Installation, operation, and data evaluation of an oblique-incidence ionosphere sounder system," in "Radio Propagation Characteristics of the Washington-Honolulu Path," Stanford Res. Inst., Stanford, CA, Contract NOBSR-87615, Final Rep., Feb. 1995, vol. 1.
- [5] P. Diamant, S. L. Richert, and W. L. Lupatkin, "V-line surface-wave radiation and scanning," Dept. Elect. Eng., Columbia Univ., New York, Sci. Rep. 85, Aug. 1991.

Handbooks

Basic Format:

- [1] *Name of Manual/Handbook*, x ed., Abbrev. Name of Co., City of Co., Abbrev. State, year, pp. xxx-xxx.

Examples:

- [1] *Transmission Systems for Communications*, 3rd ed., Western Electric Co., Winston-Salem, NC, 1985, pp. 44-60.
- [2] *Motorola Semiconductor Data Manual*, Motorola Semiconductor Products Inc., Phoenix, AZ, 1989.
- [3] *RCA Receiving Tube Manual*, Radio Corp. of America, Electronic Components and Devices, Harrison, NJ, Tech. Ser. RC-23, 1992.

Published Conference Proceedings

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

Annals
 Annual
 Colloquium
 Conference
 Congress
 Convention
 Digest
 Exposition
 International
 Meeting
 National
 Proceedings
 Record
 Symposium
 Technical Digest
 Technical Paper
 Workshop
 Ann.
 Annu.
 Colloq.
 Conf.
 Congr.
 Conv.
 Dig.
 Expo.
 Int.
 Meeting
 Nat.
 Proc.
 Rec.
 Symp.
 Tech. Dig.
 Tech. Paper
 Workshop

First
 Second
 Third
 Fourth/*n*th...
 1st
 2nd
 3rd
 4th/*n*th...

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.*

NOTE: All published conference or proceedings papers have page numbers.

Basic Format:

- [1] J. K. Author, "Title of paper," in *Unabbreviated Name of Conf.*, City of Conf., Abbrev. State (if given), year, pp. xxx-xxx.

Examples:

- [1] G. R. Faulhaber, "Design of service systems with priority reservation," in *Conf. Rec. 1995 IEEE Int. Conf. Communications*, pp. 3-8. *** *If the year is given in the conference title, it may be omitted from the end of the reference as shown here.* ***
- [2] S. P. Bingulac, "On the compatibility of adaptive controllers," in *Proc. 4th Annu. Allerton Conf. Circuit and System Theory*, New York, 1994, pp. 8-16.
- [3] W. D. Doyle, "Magnetization reversal in films with biaxial anisotropy," in *1987 Proc. INTERMAG Conf.*, pp. 2.2-1-2.2-6.
- [4] C. T. Meadow and D. W. Waugh, "Computer assisted interrogation," in *1991 Fall Joint Computer Conf., Proc. AFIPS Conf.*, vol. 29. Washington, DC: Spartan, 1991, pp. 381-394. *** *There is an space between "vol. 29." and "Washington."* ***
- [5] P. C. Parks, "Lyapunov redesign of model reference adaptive control systems," in *1993 Joint Automatic Control Conf., Preprints*, pp. 485-491.
- [6] C. Janow, "Guidance and control components for space applications," in *Proc. Nat. Electronics Conf.*, 1994, vol. 24, pp. 30-35.
- [7] T. S. Hsia, "System identification," in *IEDM Tech. Dig.*, 1993, vol. 2, no. 8, pp. 6-13.

Papers Presented at Conferences*Basic Format:*

- [1] J. K. Author, "Title of paper," presented at the Unabbrev. Name of Conf., City of Conf., Abbrev. State, year.

Examples:

- [1] M. Mayer, presented at the 4th Congr. Permanent Magnets, Grenoble, France, Mar. 1995.
- [2] 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.
- [3] G. W. Juette and L. E. Zeffanella, "Radio noise currents on short sections on bundle conductors," presented at the IEEE Summer Power Meeting, Dallas, TX, June 22-27, 1990, Paper 90 SM 690-0 PWRS.
- [4] J. Arrillaga and B. Giessner, "Limitation of short-circuit levels by means of HVDC links," presented at the IEEE Summer Power Meeting, Los Angeles, CA, July 12-17, 1990, Paper 70 CP 637.

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.

NOTE: Use "issued date" if several dates are given.

Theses (M.S.) and Dissertations (Ph.D.)*Basic Format:*

- [1] J. K. Author, "Title of thesis," M.S. thesis, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.
- [2] J. K. Author, "Title of dissertation," Ph.D. dissertation, Abbrev. Dept., Abbrev. Univ., City of Univ., Abbrev. State, year.

Examples:

- [1] J. O. Williams, "Narrow-band analyzer," Ph.D. dissertation, Dept. Elect. Eng., Harvard Univ., Cambridge, MA, 1993.
- [2] N. Kawasaki, "Parametric study of thermal and chemical nonequilibrium nozzle flow," M.S. thesis, Dept. Electron. Eng., Osaka Univ., Osaka, Japan, 1993.
- [3] N. M. Amer, "The effects of homogeneous magnetic fields on developments of tribolium confusum," Ph.D. dissertation, Radiation Lab., Univ. California, Berkeley, Tech. Rep. 16854, 1995. *** *The state abbreviation is omitted if the name of the university includes the state name, i.e., "Univ. California, Berkeley."* ***
- [4] C. Beche, These de doctorat d'etat, Univ. Grenoble, Grenoble, France, 1968.

Unpublished

These are the two most common types of unpublished references.

Basic Format :

- [1] J. K. Author, private communication, Abbrev. Month, year.
- [2] J. K. Author, "Title of paper," unpublished.

Examples:

- [1] A. Harrison, private communication, May 1995.
- [2] B. Smith, "An approach to graphs of linear forms," unpublished.
- [3] A. Brahms, "Representation error for real numbers in binary computer arithmetic," IEEE Computer Group Repository, Paper R-67-85.

Standards*Basic Format:*

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

Examples:

- [1] *IEEE Criteria for Class IE Electric Systems*, IEEE Standard 308, 1969.
- [2] *Letter Symbols for Quantities*, ANSI Standard Y10.5-1968.

C. On-Line Sources

The guidelines for citing electronic information as offered here are in modified illustration of the adaptation by the International Standards Organization (ISO) documentation system and the American Psychological Association style.

Books, Monographs*Basic Format:*

- [1] J. K. Author. (year, month day). *Title* (edition) [Type of medium]. *volume(issue)*. Available: site/path/file

Example:

- [1] S. Khutaina. (1995, Aug. 15). *EMBASE handbook* (3rd ed.) [Online]. 3(21). Available: Knowledge Index File: EMBASE Handbook (EMHB)

*FTP**Basic Format:*

- [1] J. K. Author. (year). *Title* (edition) [Type of medium]. Available FTP: Directory: File:

Example:

- [1] R. J. Vidmar. (1994). *On the use of atmospheric plasmas as electromagnetic reflectors* [Online]. Available FTP: atmnext.usc.edu Directory: pub/etext/1994 File: atmosplasma.txt

*WWW**Basic Format:*

- [1] J. K. Author. (year, month day). *Title* (edition) [Type of medium]. Available: http://www.(URL)

Example:

- [1] J. Jones. (1991, May 10). *Networks* (2nd ed.) [Online]. Available: http://www.atm.com

*E-Mail**Basic Format:*

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

Example:

- [1] S. H. Gold. (1995, Oct. 10). *Inter-Network Talk* [Online]. Available e-mail: COMSERVE@RPIECS Message: Get NETWORK TALK

*Telnet**Basic Format:*

- [1] J. K. Author. (year, month day). *Title* (edition) [Type of medium]. Available Telnet: Directory: File:

Example:

- [1] V. Meligna. (1993, June 11). *Periodic table of elements* [Online]. Available Telnet: Library.CMU.edu Directory: Libraries/Reference Works File: Periodic Table of Elements

Full Text Databases—Periodicals

Journal Articles

Basic Format:

- [1] J. K. Author. (year, month). Title. *Journal* [Type of medium]. *volume(issue)*, paging if given. Available: site/path/file

Examples:

- [1] J. Bourke. (1995, Mar.). A comparison of RF electrode models. *J. Phys.* [CD-ROM]. 32(4), RD2-RD3. Available: JPY File: Science Periodicals Ondisc Item: 95-76401
- [2] R. J. Vidmar. (1992, Aug.) On the use of atmospheric plasmas as electromagnetic reflectors. *IEEE Trans. Plasma Sci.* [Online]. 21(3), pp. 876–880. Available: <http://www.halcyon.com/pub/journals/21ps03-vidmar>

FTP

Basic Format:

- [1] J. K. Author. (year, month). Title. *Journal* [Type of medium]. *volume(issue)*, paging if given. Available FTP: Directory: File:

Example:

- [1] R. P. Drew. (1996, Jan.). All-digital oversampled front-end sensors. *Science Online* [Online]. 3(1). Available FTP: sci.mit.edu Directory: pub/journals/sci.online/issue12 File: 012bel5.txt

WWW

Basic Format:

- [1] J. K. Author. (year, month day). Title. *Journal* [Type of medium]. *volume(issue)*, paging if given. Available: [http://www.\(URL\)](http://www.(URL))

Example:

- [1] M. Semilof. (1996, July 15). Driving commerce to the Web—Corporate Intranets and the Internet: Lines blur. *Communications Week* [Online]. 6(19). Available: <http://www.techweb.com/se/directlink.cgi?CWK19960715S0005>

E-Mail

Basic Format:

- [1] J. K. Author. (year, month). Title. *Journal* [Type of medium]. *volume(issue)*, paging if given. Available e-mail: Message:

Example:

- [1] J. Frasene. (1992, July/Aug.). Least squares theory. *The Electronic Journal of Automation* [Online]. 6(8). Available e-mail: listserv@nasum.cc.edu Message: Get [frasene 992] eja-f@mail

Telnet

Basic Format:

- [1] J. K. Author. (year, month). Title. *Journal* [Type of medium]. *volume(issue)*, paging if given. Available Telnet: Directory: File:

Example:

- [1] P. Darien. (1992, Jan.). Buying science. *Quantum* [Online]. 4(3). Available Telnet: gopher.tp.umn.edu Directory: Libraries/Newspapers, Magazines, and Newsletters/Technical Journals/Quantum/ASCII Issues/Volume V Issue 3 January 1992 File: “Buying Science” by P. Darien

*Magazine Articles**Basic Format:*

- [1] J. K. Author. (year, month day). Title. *Magazine* [Type of medium]. paging if given. Available: site/path/file

Example:

- [1] S. Fujii and Y. Mikami. (1991, Apr. 20). Construction aspects of intelligent buildings. *IEEE Communications Mag.* [CD-ROM]. pp. 50-57. Available: UMI File: IPO (IEEE/IEE Publications Ondisc) Item: 3939837

*FTP**Basic Format:*

- [1] J. K. Author. (year, month day). Title. *Magazine* [Type of medium]. paging if given. Available FTP: Directory: File:

Example:

- [1] R. Young. (1994, Dec. 2). Summary of meta fonts available. *TexMag* [Online]. Available FTP: sum.soe.clarkson.edu Directory: pub/tex/texmag File: texmag.4.06

*WWW**Basic Format:*

- [1] J. K. Author. (year, month day). Title. *Magazine* [Type of medium]. paging if given. Available: http://www.(URL)

Examples:

- [1] A. Stuart, Ed. (1996, Dec. 3). Business in the wake of the Web. *WebMaster Mag.* [Online]. Available: http://www.cio.com/cgi-bin/gate2?~
- [2] L. Brigman (1997, Feb.). The never-ending story. *WebMaster Mag.* [Online]. Available: http://www.cio/WebMaster/020197_field_content.html

*E-Mail**Basic Format:*

- [1] J. K. Author. (year, month day). Title. *Magazine* [Type of medium]. paging if given. Available e-mail: Message:

Example:

- [1] A. Harriman. (1993, June 28). Compendium of genealogical software. *Humanist* [Online]. 2(41). Available e-mail: HUMANIST@NYVM Message: Get GENEALOGY REPORT

*Telnet**Basic Format:*

- [1] J. K. Author. (year, month day). Title. *Magazine* [Type of medium]. Available Telnet: Directory: File:

Example:

- [1] S. Bene. (1990, July 21). Queues at information desks. *Com* [Online]. Available Telnet: gopher.uct.edu Directory: Libraries/Newspapers, Magazines, Newsletters/EE/EECom File: V.2I.3Jul90

*Full Text Databases—Other Sources****Papers Presented at Conferences****Basic Format:*

- [1] J. K. Author. Title. presented at Conference title. [Type of Medium]. Available: site/path/file

Example:

- [1] Process Software Corp., MA. Intranets: Internet technologies deployed behind the firewall for corporate productivity. presented at INET'96 Annu. Meeting [Online]. Available: http://www.process.com/Intranets/wp2.htm

Reports and Handbooks*Basic Format:*

- [1] J. K. Author. (year, month). Title. Company. City, State or Country. [Type of Medium]. Available: site/path/file

Examples:

- [1] S. L. Talleen. (1996, Aug.). The IntraNet Architecture: Managing information in the new paradigm. Amdahl Corp, CA. [Online]. Available: <http://www.amdahl.com/doc/products/bsg/intra/infra/html>
- [2] Netscape Communications Corp. (1997, Dec.). The new way to share workgroup information. [Online]. Available: <http://home.netscape.com/comprod/a>

U.S. Government Documents*Basic Format:*

- [1] Legislative body. Number of Congress, Session. (year, month day). *Number of bill or resolution, Title*. [Type of medium]. Available: site/path/file

Example:

- [1] U.S. House. 102nd Congress, 1st Session. (1991, Jan. 11). *H. Con. Res. 1, Sense of the Congress on Approval of Military Action*. [Online]. Available: LEXIS Library: GENFED File: BILLS

Patents*Basic Format:*

- [1] Name of the invention, by inventor's name. (year, month day). *Patent Number* [Type of medium]. Available: site/path/file

Example:

- [1] 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

Common Abbreviations of Words Used in References

Acoustics	Acoust.
Administration	Admin.
Administrative	Administ.
American	Amer.
Analysis	Anal.
Annals	An
Annual	A
Apparatus	App.
Applications	Applicat.
Applied	Ap
Association	Assoc.
Automatic	Automat.
Broadcasting	Broadcast.
Business	Bus.
Communications	Commun.
Computer(s)	Comput.
Congress	Congr.
Convention	Conv.
Correspondence	Corresp.
Cybernetics	Cybern.
Department	Dept.
Development	Develop.
Digest	Dig.
Economic(s)	Econ.
Education	Educ.
Electrical	Elect.
Electronic	Electron.
Engineering	Eng.

Ergonomics	Ergonom.
Evolutionary	Evol.
Foundation	Found.
Geoscience	Geosci.
Graphics	Graph.
Industrial	Ind.
Industry In	d.
Information	Inform.
Institute In	st.
Intelligence	Intell.
International	Int.
Journal J.	
Letter(s) Lett.	
Machine Mach.	
Magazine	Mag.
Management	Manage.
Managing	Manag.
Mathematic(s)	Math.
Mathematical	Math.
Mechanical	Mech.
National Nat.	
Newsletter	Newslett.
Nuclear Nucl.	
Occupation	Occupat.
Philosophical	Philosph.
Proceedings	Proc.
Processing	Process.
Production	Prod.
Productivity	Productiv.
Quarterly	Quart.
Record Rec.	
Reliability	Rel.
Report Rep	.
Royal Ro	y.
Science Sci.	
Selected Select.	
Society Soc.	
Sociological	Sociol.
Statistics	Stat.
Studies St	ud.
Supplement	Suppl.
Symposium	Symp.
Systems Syst.	
Technical	Tech.
Telecommunication	Telecomm un.
Transactions	Trans.
Vehicular	Veh.
Working Wo	rk.
Workshop	Workshop

List of IEEE Transactions, Journals, and Letters

IEEE Transactions on Acoustics, Speech, and
Signal Processing Pro
IEEE Transactions on Advanced Packaging IEEE

IEEE Trans. Acoust., Speech, Signal
cess. (1975–1990)
Adv. Packag.