



# IEEE publications bulletin

This Bulletin is the official announcement vehicle for IEEE publications, and information and educational services. It covers conference records, special issues of IEEE Transactions and Journals, and other nonperiodic publications. It is the purpose of this Bulletin to make notice of all current IEEE items available to readers from a single source.

## New Conference Publications

The following IEEE Conference Publications have become available since the last issue of this Bulletin. Except as noted, all were automatically sent to present subscribers to the IEEE Open Order Plan Subscription (OOPS) enrolled in the appropriate OOPS option.

**Adaptive Processes Symposium, 1970 IEEE - Decision and Control**, held 1970 Dec 7-9 in Austin, Texas; sponsored by IEEE G-AC, with IEEE G-IF and IEEE G-SSC participation. *Proceedings* (Pub. No. 70 C 58-AC), approx. 300 pp., **out of stock**

**Antennas and Propagation Group International Symposium, 1970 IEEE**, held 1970 Sep 14-17 in Columbus, Ohio; sponsored by IEEE G-AP, USNC, and URSI. *Digest* (Pub. No. 70 C 36-AP), 470 pp., **out of stock**

**Automatic Support Systems for Advanced Maintainability, 6th Annual Symposium on (ASSC 70)**, held 1970 Oct 19-21 in St. Louis, Mo.; sponsored by IEEE G-AES and IEEE St. Louis Section. *Conf. Record* (Pub. No. 70 C 52-AES), 206 pp., list price \$12.50 in North America, \$14.00 elsewhere, **order no. CH04135** for orders from the US and Canada, CH04143 for other orders

**Canadian Symposium on Communications, IEEE 1970**, held 1970 Nov 12-13 in Montreal, Canada; sponsored by IEEE Region 7 and IEEE Montreal Section. *Digest* (Pub. No. 70 C 67-REG7), 104 pp., list price \$7.50, **order no. CH04044**

**Electromagnetic Compatibility Symposium, 1970 IEEE Regional**, held 1970 Oct 6-8 in San Antonio, Texas; sponsored by IEEE G-EMC, IEEE Central Texas Section, and SWIEECO. *Conf. Record* (Pub. No. 70 C 64-REGEMC), approx. 210 pp., list price \$12.00, **order no. CH04036**

**Electron Device Techniques, 1970 Conference on**, held 1970 Sep 23-24 in New York, N.Y.; sponsored by IEEE G-ED. *Conf. Record* (Pub. No. 70 C 34-ED), 211 pp., list price \$15.00, **order no. CH04226**; *Program and Abstracts* (Pub. No. 70 C 33-ED), 43 pp., list price \$2.00, **order no. CH03939**

**Electronic and Aerospace Systems Conference (EASCON 70)**, held 1970 Oct 26-28 in Washington, D.C.; sponsored by IEEE G-AES. *Conf. Record* (Pub. No. 70 C 16-AES), 351 pp., list price \$14.00 in North America, \$17.00 elsewhere, **order no. CH04150** for orders from the US and Canada, CH04168 for other orders

**Engineering in Medicine and Biology, 23rd Annual Conference on**, held 1970 Nov 15-19 in Washington, D.C.; sponsored by Alliance for Engineering in Medicine and Biology. *Proceedings* (Pub. No. 70 C 49-AEMB), 352 pp., list price \$15.00, **order no. CH04127**

**Engineering in the Ocean Environment, 1970 IEEE International Conference on**, held 1970 Sep 21-24 in Panama City, Fla.; sponsored by IEEE Panama City Section and Oceanographic Coordinating Cttee. *Digest* (Pub. No. 70 C 38-OCC), 259 pp., list price \$15.00, **order no. CH03988**. *Digest of Tutorial Papers* (Pub. No. 70 M 65-OCC),

38 pp., list price \$10.00, **order no. CH04077**

**Fall Joint Computer Conference, 1970**, held 1970 Nov. 17-19 in Houston, Texas; sponsored by IEEE G-C and other societies thru AFIPS. *Proceedings*, 658 pp., list price, \$26.00, **available only from AFIPS**, 210 Summit Ave., Montvale, N.J. 07645 (not supplied under OOPS)

**Feature Extraction and Selection in Pattern Recognition, IEEE Symposium on**, held 1970 Oct 5-8 in Chicago, Ill.; sponsored by IEEE G-C and Argonne National Laboratories. *Conf. Record* (Pub. No. 70 C 51-C), 839 pp., **out of stock**

**Industry and General Applications Group, IEEE, 5th Annual Meeting**, held 1970 Oct 5-8 in Chicago, Ill.; sponsored by IEEE G-IGA and IEEE Chicago Section. *Conf. Record* (Pub. No. 70 C 1-IGA), 840 pp., list price \$18.00, **order no. CH03491**

**International Electron Devices Meeting, 1970 IEEE**, held 1970 Oct 28-30 in Washington, D.C.; sponsored by IEEE G-ED. *Program and Abstracts* (Pub. No. 70 C 45-ED), 163 pp., list price \$4.50, **order no. CH04002**

**International Convention and Exhibition, IEEE 1971**, held 1971 Mar 22-25 in New York, N.Y.; sponsored by IEEE. *Digest* (Pub. No. 71 C 8-IEEE), 643 pp., list price \$9.00, **order no. CH04333**

**Joint ASME-IEEE Power Generation Conference, 1970**, held 1970 Sep 27-Oct 1 in Pittsburgh, Pa.; sponsored by IEEE G-PWR and ASME. *Preprints of individual papers*, list price \$1.00 each; **write for list of available preprints**

**Joint Engineering Management Conference**, held 1970 Oct 29-30 in Chicago, Ill.; sponsored by IEEE, AIIE, ASME, ASQC, EIC, ISA, and NSPE. *Conf. Record* (Pub. No. 70 C 54-EM), 86 pp., list price \$5.00, **order no. CH04176**

**Man-Machine Systems Symposium, 11th Annual**, held 1970 Nov 12-13 in Winter Park, Fla.; sponsored by IEEE G-MMS and IEEE Orlando Section. *Digest* (Pub. No. 70 C 48-MMS), approx. 25 pp., list price \$4.00, **order no. CH04119**

**Nonlinear Estimation Theory and Its Applications, Symposium on**, held 1970 Sep 21-23 in LaJolla, Calif.; sponsored by IEEE G-AC and Air Force Office of Scientific Research. *Proceedings* (Pub. No. 70 C 66-AC), 295 pp., **out of stock**

**Petroleum and Chemical Industry Conference, 17th Annual**, held 1970 Sep 14-16 in Tulsa, Okla.; sponsored by IEEE G-IGA. *Conf. Record* (Pub. No. 70 C 35-IGA), approx. 375 pp., list price \$20.00, **order no. CH03947**

**Photovoltaic Specialists Conference, IEEE 8th**, held 1970 Aug 4-6 in Seattle, Wash.; sponsored by IEEE G-ED. *Conf. Record* (Pub. No. 70 C 32-ED), 377 pp., list price \$15.00, **order no. CH03921**

**Reliability Symposium, 1971 Annual**, held 1971 Jan 12-14 in Washington, D.C.; sponsored by IEEE G-R, ASQC, and IES. *Proceedings* (Pub. No. 71 C 2-R), 424 pp., list price \$8.00, **order no. CH04259**

**Rubber and Plastics Industries Electrical Engineering Problems, IEEE 1970 Annual Conference of**, held 1970 Apr 6-7 in Akron, Ohio; sponsored by IEEE G-IGA and IEEE Akron Section. *Conf. Record* (Pub. No. 70 C 19-IGA), 116 pp., list price \$8.00, **order no. CH04101**

**Summer Power Meeting and EHV Conference, 1970**, held 1970 Jul 12-17 in Los Angeles, Calif.; sponsored by IEEE G-PWR. *Preprints of individual papers*, list price \$1.00 each; **write for list** of available preprints

**Switching and Automata Theory, 11th Annual Symposium on**, held 1970 Oct 28-30 in Santa Monica, Calif.; sponsored by IEEE G-C and UCLA. *Conf. Record* (Pub. No. 70 C 44-C), 239 pp., list price \$15.00 **order no.** CH03996

**Ultrasonics Symposium, 1970 IEEE**, held 1970 Oct 21-23 in San Francisco, Calif.; sponsored by IEEE G-SU: Abstracts appear on pp. 44-67 of *IEEE Transactions on Sonics and Ultrasonics*, Vol. SU-18, No. 1, 1971 Jan; list price \$5.00, **order no.** JH12211

**UMR-Mervin J. Kelly Communications Conference**, held 1970 Oct 5-7 in Rolla, Mo.; sponsored by University of Missouri-Rolla, with IEEE G-IT participating and IEEE St. Louis Section cooperating. *Proceedings* (Pub. No. 70 C 57-UMR), approx. 700 pp., **out of stock**

**Vehicular Technology Conference, 1970 IEEE**, held 1970 Dec 2-4 in Washington, D.C.; sponsored by IEEE G-VT. *Digest* (Pub. No. 70 C 56-VT), 51 pp., **out of stock**

**Western Electronic Show and Convention (WESCON)**, held 1970 Aug 25-28 in Los Angeles, Calif.; sponsored by IEEE Region 6 and WEMA. *Conf. Record*, approx. 625 pp., list price \$65.00, **available only from WESCON Office**, 3600 Wilshire Blvd., Los Angeles, Calif. 90005 (not supplied under OOPS)

**Winter Power Meeting, 1971**, held 1971 Jan 31-Feb 5 in New York, N.Y.; sponsored by IEEE Power Engineering Society. *Preprints of individual papers*, list price \$1.35 each; **write for list** of available preprints

New Special Issues

Special issues of IEEE periodicals which became available since the last issue of this Bulletin are listed below. The 35 journals published by the IEEE are described in the *1970 IEEE Annual Publications Bulletin*; see p. 3 of this issue for subscription information.

**Biological effects of microwaves; IEEE Transactions on Microwave Theory and Techniques**, Vol. MTT-19, No. 2, 1971 Feb; list price \$5.00, **order no.** JH12005

**Chicago Spring Conference on Broadcast and Television Receivers, 1970 IEEE** (selected papers); *IEEE Transactions on Broadcast and Television Receivers*, Vol. BTR-16, No. 4, 1970 Nov; list price \$5.00, **order no.** JH09977

**Computer-aided circuit design; IEEE Transactions on Circuit Theory**, Vol. CT-18, No. 1, 1971 Jan; list price \$5.00, **order no.** JH11288

**Digital signal processing** (mostly papers from the 1970 International Seminar on Digital Processing of Analog Signals); *IEEE Transactions on Audio and Electroacoustics*, Vol. AU-18, No. 4, 1970 Dec; list price \$5.00, **order no.** JH09902

**High-power semiconductor devices; IEEE Transactions on Electron Devices**, Vol. ED-17, No. 9, 1970 Sep; list price \$5.00, **order no.** JH03558

**INTERMAG Conference, 1970; IEEE Transactions on Magnetism**, Vol. MAG-6, No. 3, 1970 Sep; list price \$5.00, **order no.** JH10215

**International Geoscience Electronics Symposium, 1970** (selected papers); *IEEE Transactions on Geoscience Electronics*, Vol. GE-8, No. 4, 1970 Oct; list price \$5.00, **order no.** JH10181

**International Microwave Symposium, 1970 IEEE** (selected papers); *IEEE Transactions on Microwave Theory and Techniques*, Vol. MTT-18, No. 12, 1970 Dec; list price \$5.00, **order no.** JH10082

**Linear integrated circuits** (mostly papers from the 1970 IEEE International Solid-State Circuits Conference); *IEEE Journal of Solid-State Circuits*, Vol. SC-6, No. 1, 1971 Feb; list price \$5.00, **order no.** JH12849

**Microwave circuit aspects of avalanche-diode and transferred electron devices; IEEE Transactions on Microwave Theory and Techniques**, Vol. MTT-18, No. 11, 1970 Nov; list price \$5.00, **order no.** JH10074

**Nuclear and Space Radiation Effects** (selected papers from the 1970 IEEE Annual Conference on Space and Radiation Effects); *IEEE Transactions on Nuclear Science*, Vol. NS-17, No. 6, 1970 Dec; list price \$10.00, **order no.** JH09944

**Nuclear Science Symposium, 1970; IEEE Transactions on Nuclear Science**, Vol. NS-18, No. 1, 1971 Feb; list price

\$10.00, **order no.** JH11338

**Optical communication; Proceedings of the IEEE**, Vol. 58, No. 10, 1970 Oct; list price \$4.00, **order no.** JH09878

**Precision Electromagnetic Measurements**, 1970 Conference on; *IEEE Transactions on Instrumentation and Measurement*, Vol. IM-19, No. 4, 1970 Nov; list price \$5.00, **order no.** JH09985

**Satellite communications; Proceedings of the IEEE**, Vol. 59, No. 2, 1971 Feb; list price \$6.00, **order no.** JH11031

**Semiconductor memories and optoelectronics** (mostly papers from the 1970 IEEE International Solid-State Circuits Conference); *IEEE Journal of Solid-State Circuits*, Vol. SC-5, No. 5, 1970 Oct; list price \$5.00, **order no.** JH10298

**Solid-state microwave circuits** (mostly papers from the 1970 IEEE International Solid-State Circuits Conference); *IEEE Journal of Solid-State Circuits*, Vol. SC-5, No. 6, 1970 Dec; list price \$5.00, **order no.** JH10306

**Urban and public systems; IEEE Transactions on Systems, Science and Cybernetics**, Vol. SSC-6, No. 4, 1970 Oct; list price \$5.00, **order no.** JH10249

**Vehicular Technology, 1969 IEEE Annual Conference** (selected papers); *IEEE Transactions on Vehicular Technology*, Vol. VT-19, No. 4, 1970 Nov; list price \$5.00, **order no.** JH09951

Recently Issued IEEE Standards

IEEE Standards that have been published recently are listed below. For a complete list of IEEE Standards, request Form F9.

**Communication Switching, IEEE Trial-Use Standard Definitions of Terms for (IEEE Standard No. 312)**; approved 1970; 29 pp.; list price \$5.00, **order no.** SH02303. Also published in *IEEE Transactions on Communication Technology*, Vol. COM-18, No. 5, 1970 Oct

**Geiger-Muller Counters, American National Standard and IEEE Standard Test Procedure for (IEEE Standard No. 309)**, ANSI Standard N42.3-1969; approved 1969; 8 pp.; list price \$3.00, **order no.** SH02279

**Insulation Systems for Electric Equipment, IEEE Guide for the Preparation of Test Procedures for the Thermal Evaluation of (IEEE Standard No. 99)**; revision of AIEE Standard No. IE-1957; approved 1970; 3 pp.; list price \$3.00, **order no.** SH02444. Also published in *IEEE Transactions on Electrical Insulation*, Vol. EI-5, No. 4, 1970 Dec

**Navigation Aid Terms, IEEE Standard Definitions of (IEEE Standard No. 172)**; revision approved 1971; 34 pp.; list price \$5.60, **order no.** SH01024

**Outdoor Apparatus Bushings, American Standard Requirements and Test Code for (IEEE Standard No. 21)**, ASA Standard C76.1-1964; reaffirmed 1970; 21 pp.; list price \$4.00, **order no.** SH00083

**Varactor Measurements, Part I - Small Signal Measurements, IEEE Trial-Use Standard Guide on Solid-State Devices (IEEE Standard No. 318)**; approved 1970; 19 pp.; list price \$4.00, **order no.** SH02352

Other Recently Issued Publications

**Bibliography and Abstracts on Electrical Contacts, Circuit Breakers and Arc Phenomena, 1965-1969** (Pub. No. 70 M 68-PMP); sponsored by IEEE G-IGA and IIT Research Institute; 183 pp., list price \$7.50, **order no.** CH04192

**IEEE Transactions on Systems, Man and Cybernetics** (quarterly). Beginning with January 1971 issue, replaces both *IEEE Transactions on Systems Science and Cybernetics* and *IEEE Transactions on Man-Machine Systems*. **Annual subscription** \$18.00

**Probability Analysis of Power System Reliability, Tutorial Course** (Pub. No. 71 M 30-PWR); sponsored by IEEE Power Engineering Society; 79 pp., **out of stock** (not supplied under OOPS)

**The Great Environmental Debate and the Power Industry** (Pub. No. 71 M 31-PWR); sponsored by IEEE Power Engineering Society; 32 pp., list price \$2.00, **order no.** CH04051

Recently Released Audio Cassettes

IEEE's Educational Services Department issues two series of audio cassettes: SOUNDINGS, a quarterly series of reports; and Cassette Colloquia, a series of continuing education lectures. Write for list of all available cassettes.

**Electronics in Commercial Aviation** (SOUNDINGS Cassette No. 2), Walter Beam, ed.; sponsored by IEEE Educational Activities Board; list price \$12.00, **order no.** EH00083

**Integrated Circuits for Consumer Applications** (Cassette Colloquium 70-CC-03); list price \$12.00, **order no.** EH00042

Subscriptions to IEEE Periodicals

The IEEE periodicals listed below are available on subscription in hard-copy and microfiche editions; prices listed are for an annual subscription to either edition.

	Issues per Year	Order Code	Price
IEEE Spectrum	12	SPEC	24.00
Proceedings of the IEEE	12	PROC	36.00
IEEE Journal of Quantum Electronics	6	J-QE	\$36.00
IEEE Journal of Solid-State Circuits	6	J-SC	24.00
IEEE Transactions on Aerospace and Electronic Systems	6	T-AES	24.00
IEEE Transactions on Antennas and Propagation	6	T-AP	24.00
IEEE Transactions on Audio and Electroacoustics	4	T-AU	18.00
IEEE Transactions on Automatic Control	6	T-AC	24.00
IEEE Transactions on Bio-Medical Engineering	6	T-BME	18.00
IEEE Transactions on Broadcasting	4	T-BC	18.00
IEEE Transactions on Broadcast and Television Receivers	4	T-BTR	18.00
IEEE Transactions on Circuit Theory	6	T-CT	18.00
IEEE Transactions on Communication Technology	6	T-COM	24.00
IEEE Transactions on Computers and IEEE Computer (formerly Computer Group News)	12 + 6	T-C/CN	42.00
IEEE Transactions on Education	4	T-E	18.00
IEEE Transactions on Electrical Insulation	4	T-EI	18.00
IEEE Transactions on Electromagnetic Compatibility	4	T-EMC	18.00
IEEE Transactions on Electron Devices	12	T-ED	36.00
IEEE Transactions on Engineering Management	4	T-EM	18.00
IEEE Transactions on Engineering Writing and Speech	3	T-EWS	18.00
IEEE Transactions on Geoscience Electronics	4	T-GE	18.00
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IEEE Transactions on Nuclear Science	6	T-NS	24.00
IEEE Transactions on Parts, Materials and Packaging	4	T-PMP	18.00
IEEE Transactions on Power Apparatus and Systems	6	T-PAS	36.00
IEEE Transactions on Reliability	4	T-R	18.00
IEEE Transactions on Sonics and Ultrasonics	4	T-SU	18.00
IEEE Transactions on Systems, Man and Cybernetics	4	T-SMC	18.00
IEEE Transactions on Vehicular Technology	4	T-VT	18.00

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520.00

**Principles for Programming Process Computers** (Cassette Colloquium 70-CC-4); list price \$12.00, **order no.** EH00059

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## Abstract and Title Journals

The IEEE copublishes with the IEE (Institution of Electrical Engineers, London, England) two abstract journals and two current-awareness title journals, each covering the worldwide literature in its field. The abstract journals are published in both hard-copy and microfiche editions; prices listed below are for a one-year subscription to either edition (50% discount on the microfiche subscription to customers ordering both versions). Subscriptions from nonmembers of IEEE outside of the Americas should be placed with IEE, Savoy Place, London WC2, England.

	<i>Issues per Year</i>	<i>Order Code</i>	<i>Price</i>
Electrical and Electronics Abstracts	12 + 2 indexes	EEA	\$216.00
Computer and Control Abstracts	12 + 2 indexes	CCA	108.00
<i>Combined EEA/CCA subscription</i>		ECA	252.00
Current Papers in Electrical and Electronics Engineering	24	CPE	28.00
Current Papers on Computers and Control	24	CPC	24.00

## Supplementary Information

*Comprehensive Description of IEEE Publications:* the latest comprehensive catalog of IEEE publications is the 1970 *IEEE Annual Publications Bulletin*, which describes journals and journal subscriptions, abstract and title journals, microfiche subscriptions, conference publications, bibliographies and indexes, the Membership Directory, JTAC Reports, standards, bound volumes of periodicals, and binders. Write for free copy.

*Standard Publications:* An updated list of all Standards Publications has recently been compiled. Write for Form F9.

*Power Meeting Papers:* Individual preprints of papers presented at the 1970 Summer Power Meeting, the 1970 Joint ASME-IEEE Power Generation Conference, the 1971 Winter Power Meeting, and some earlier power conferences, are available. Write for list of the specific meeting that interests you.

*Educational Services:* The IEEE Educational Services Department provides a number of continuing education services. Write for list of available Seminars and Short Courses; complete list of audio cassettes; and details on the DATE (Dial Access Technical Education) telephone information service.

*Out-of-Stock Publications:* Xerox or microfilm copies of most out-of-stock publications may be obtained from the Engineering Societies Library, 345 East 47th Street, New York, N.Y. 10017; the Library will supply price information on request. Most IEEE Journal issues for 1964 and earlier years are available from Walter J. Johnson, Inc., 111 Fifth Avenue, New York, N.Y. 10003.

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