



# IEEE publications bulletin

This Bulletin is the official announcement vehicle for IEEE publications, and information and educational services. Its purpose is to list as they become available all conference records, standards, special issues of Transactions and Journals, and other nonperiodic publications that may be purchased from IEEE Service Center. The IEEE Publications Order Number is shown in boldface near the end of every entry.

## Conference Publications

The publications listed below have become available since the last issue of this bulletin and, except as noted, were sent automatically to present subscribers to the appropriate option and suboption of the IEEE Open Order Plan (OOP). All conference publications are identified by appropriate OOP suboption codes. For completeness, the listing includes special issues or sections of IEEE periodicals that are devoted to IEEE conferences, as well as Conference Publications in the strict sense. Out-of-Stock items may be found in the Engineering Societies Library in New York City and in all libraries that subscribe to OOP.

For your convenience, the LC catalog card number is printed inside IEEE publications; all pre-assigned LC numbers are announced in the entries below. The standard availability of LC cards for pre-assigned numbers is approximately six months after publication date.

**Applied Superconductivity Conference, (ASC) 9th 1980** (incorrectly called 1981 on Table of Contents page), held Sept. 29–Oct. 2, 1980 in Santa Fe, NM; sponsored by IEEE MAG, American Physical Society, U.S. Dept. of Energy, et al. Proceedings in *IEEE Transactions on Magnetism*, Vol. MAG-17, No. 1, Jan. 1981, 1112 pp., \$35.00. **JH55061** (not distributed under OOP)

**Canadian Cable Television Association, 23rd Convention, Trade-Show, and Vidéotheque of**, held May 26–29, 1980 in Vancouver, British Columbia, Canada; sponsored by Canadian Cable Television Association. Selected papers in *IEEE Transactions on Cable Television*, Vol. CATV-5, No. 3, July 1980, \$10.00. **JH51151** (not distributed under OOP)

**Computer Networking Symposium, [4th] 1980**, held Dec. 10, 1980 in Gaithersburg, MD; sponsored by IEEE C, US Nat'l Bureau of Standards, and US Dept. of Commerce. *Proceedings*, 192 pp., LC 80-82509 (preassigned), \$16.00. **80CH1586-7** (OOP 1E)

**Computer Society International Conference, 22nd [IEEE] (COMPCON Spring 81)**, held Feb. 23–26, 1981 in San Francisco, CA; sponsored by IEEE C. *Digest of Papers—VLSI in the Laboratory, the Office, the Factory, the Home*, 481 pp., LC 80-85186 (preassigned), \$45.00. **81CH1626-1** (OOP 1E)

**Consumer Electronics, 10th Chicago Fall Conference on**, held Nov. 10–11, 1980 in Chicago, IL; sponsored by IEEE BCCE and IEEE Chicago Section. Papers in *IEEE Transactions on Consumer Electronics*, Vol. CE-27, Nos. 1 and 2, Feb. and May 1981, \$10.00 each. **JH54320** and **JH54338** (not distributed under OOP). Note: February issue incorrectly labeled the 1980 Fall Conference, Part 2 on cover; it is Part 1.

**Electrical Insulation and Dielectric Phenomena, 49th Conference on**, held Oct. 26–29, 1980 in Boston, MA; sponsored by the Nat'l Research Council, IEEE EI, and Sandia Laboratories. *Annual Report*, 509 pp., ISBN 0-309-03126-5, LC 79-649806, ISSN 0084-9162, \$50.00. **80CH1587-5** (OOP 1B)

**Electron Devices Meeting, [26th IEEE] International**, held Dec. 8–10, 1980 in Washington, DC; sponsored by IEEE ED. *Technical Digest*, 849 pp., LC 78-20188 (serials entry), \$36.00. **80CH1616-2** (OOP 1D)

**Electronic Components Conference, 30th**, held April 28–30, 1980 in San Francisco, CA; sponsored by IEEE CHMT and Electronic Industries Assoc. Selected papers in *IEEE Transactions on Components, Hybrids, and Manufacturing Technology*, Vol. CHMT-3, No. 4, Dec. 1980. \$10.00. **JH51243** (not distributed under OOP). The Proceedings (80CH1568-5) from this Conference was listed in the July 1980 issue of the Bulletin.

**Mass Storage Systems, 4th IEEE Symposium on**, held April 15–17, 1980 in Denver, CO; sponsored by IEEE C. *Digest of Papers—The Gap Between MSS Products and User Requirements*, 76 pp., LC 80-82492 (preassigned), \$16.00. **80CH1581-8** (OOP 1E)

**Microprogramming Workshop, 13th (MICRO-13)**, held Nov. 30–Dec. 3, 1980 in Colorado Springs, CO; sponsored by IEEE C and ACM. *Proceedings*, 192 pp., LC 79-643852, ISSN 0194-1895, \$21.50. **80CH1599-0** (OOP 1E). Also available through ACM as order no. 520800

**National Telecommunications Conference, 9th [IEEE] (NTC 80)**, held Nov. 30–Dec. 4, 1980 in Houston, TX; sponsored by IEEE CSCB, IEEE Houston Section, and IEEE Galveston-Bay Section. *Conf. Record*, 4 vols., approx. 1750 pp., LC 80-80156 (preassigned), \$60.00. **80CH1539-6** (OOP 1C)

**Pattern Recognition, 5th International Conference on** (formerly International Joint Conference on Pattern Recognition), held Dec. 1–4, 1980 in Miami Beach, FL; sponsored by IAPR and IEEE C. *Proceedings*, 2 vols., 1382 pp., LC 79-90304 (preassigned), \$48.00. **80CH1499-3** (OOP 1E)

**Power Engineering Society Summer Meeting, 1979 IEEE**, held July 15–20, 1979 in Vancouver, British Columbia, Canada; sponsored by IEEE PE. *Discussions and Closures of Abstracted Papers*, approx. 175 pp., LC 77-353944, ISSN 0160-0141, \$16.00. **79CH1459-7** (OOP 1G). The text of "A" papers (79CH1458-9) from this meeting was listed in the April 1980 issue of the Bulletin and the Abstracts (JH52282) were listed in the July 1980 issue of the Bulletin.

**Power Engineering Society Summer Meeting, 1980 IEEE**, held July 13–18, 1980 in Minneapolis, MN; sponsored by IEEE PE. *Text of Papers*, 2 vols., approx. 1800 pp., \$56.00. **80CH1613-9** (OOP 1G). NOTE: All papers accepted for presentation at a Power Engineering Society Meeting are also accepted for publication in the *IEEE Transactions on Power Apparatus and Systems*. For papers from future meetings, full text plus discussions and closures will be published in scattered issues of the *Transactions*, not as a group, but with each paper's first page identifying the meeting at which it was presented. Individual preprints are available, write for list of titles.

**Power Industry Computer Applications Conference, 11th [IEEE] (PICA 79)**, held May 15–19, 1979 in Cleveland, OH; sponsored by IEEE PE and IEEE Cleveland Section. *IEEE Conference Proceedings—Supplement*, 47 pp., Proceedings price of \$33.00 includes Supplement. **79CH1381-3** (Sup.) (distributed with Proceedings under OOP 1G). The Proceedings (79CH1381-3) from this Conference was listed in the July 1979 issue of the Bulletin.



**Power Generation Conference, 1979 Joint**, held Oct. 7–11, 1979 in Charlotte, NC; sponsored by ASME, IEEE PE, ASCE, and ANS. *Conf. Record—IEEE Papers only*, approx. 220 pp., \$16.00. **79CH1464-7** (OOP 1G). This publication contains the full text of all IEEE papers presented at the Conference. These papers are also published in the *IEEE Transactions on Power Apparatus and Systems*, either in full “F” or in abstract “A” form. Abstracts of all “A” papers appear in *IEEE Transactions on Power Apparatus and Systems*, Vol. PAS-99, No. 4, July/Aug. 1980. \$15.00. **JH52316** (not distributed under OOP). The full text of all “F” papers will appear in various issues of the Transactions. *NOTE:* For papers from future meetings, full text plus discussions and closures will be published in scattered issues of the Transactions, not as a group, but with each paper’s first page identifying the meeting at which it was presented.

**Precision Electromagnetic Measurements, Conference on** (CPEM 80), held June 23–27, 1980 in Braunschweig, Federal Republic of Germany; sponsored by US Nat’l Bureau of Standards, IEEE, URSI, et al. *Proceedings in IEEE Transactions on Instrumentation and Measurement*, Vol. IM-29, No. 4, Dec. 1980, 296 pp., \$10.00. **JH51946** (not distributed under OOP). The CPEM Digest (80CH1497-7) was listed in the October 1980 issue of the Bulletin.

**Reliability and Maintainability Symposium, 27th**, held Jan. 27–29, 1981 in Philadelphia, PA; sponsored by IEEE R, ASME, AIEE, et al. *Proceedings*, 473 pp., LC 78-132873, ISSN 0149-144X, \$32.00. **81CH1618-8** (OOP 1F)

**Solid-State Circuits Conference, 1981 [28th] IEEE International**, held Feb. 18–20, 1981 in New York, NY; sponsored by IEEE SSC, IEEE New York Section, and University of Pennsylvania; edited by Lewis Winner. *Digest of Technical Papers*, Vol. 24, 296 pp., ISSN 0193-6530, \$60.00. **81CH1588-3** (OOP 1A)

**Ultrasonics Symposium, 1980 [19th IEEE]**, held Nov. 5–7, 1980 in Boston, MA; sponsored by IEEE SU; edited by B. R. McAvoy. *Proceedings*, 2 vols., 1089 pp., LC 73-641406 (LC 74-77824 printed in error on the verso of the title page), ISSN 0090-5607, \$60.00. **80CH1602-2** (OOP 1D). The *IEEE Transactions on Sonics and Ultrasonics* contains an updated and corrected version of the Contents in Vol. SU-28, No. 2, March 1980. Abstracts will appear in *IEEE Transactions on Sonics and Ultrasonics*, Vol. SU-28, No. 4, July 1981, \$10.00. **JH55822** (not distributed under OOP)

**Vehicular Technology Society, 30th Conference of the IEEE** (also called IEEE Vehicular Technology Conference), including the **International Conference on Transportation Electronics** (formerly International Conference on Automotive Electronics), held Sept. 15–17, 1980 in Dearborn, MI; sponsored by IEEE VT and SAE. *Proceedings*, approx. 600 pp., LC 80-83413 (preassigned), SAE Catalog No. SP-90, \$67.00. **80CH1601-4** (OOP 1B)

## Special Issues

**Analog circuits; IEEE Journal of Solid-State Circuits**, Vol. SC-15, No. 6, Dec. 1980. \$10.00. **JH53298**

**Coverage:** The 22 papers and three correspondence items are divided into three general applications areas—voice communication, data acquisition, and signal conditioning—with further division into narrower ranges of applications or by their circuit elements such as amplifiers, filters, data converters, or transducers.

**Arc plasmas; IEEE Transactions on Plasma Science**, Vol. PS-8, No. 4, Dec. 1980. \$10.00. **JH52415**

**Coverage:** Thirty technical papers cover circuit breaker research and related fields: arc discharges; electromagnetic propagation; gas-blast, magnetic blast, and SF<sub>6</sub> circuit breakers; magnetics; plasma diagnostics; pulse power generation; temperature measurement; vacuum arcs.

**Canadian telecommunications; IEEE Communications Magazine**, Vol. 19, No. 1, Jan. 1981. \$6.00. **JH56051**

**Coverage:** The guest editorial and four articles present an overview of Canada’s role in world communications; Canadian commercial communication satellite systems; Telidon videotex system; Bell-Northern Research; rural area communications using fiber optic technology.

**Computing and the handicapped; Computer**, Vol. 14, No. 1, Jan. 1981. \$6.00. **JH55897**

**Coverage:** This special issue acquaints the reader with the needs of the handicapped and reports on research progress and future directions for the application of computing to these needs. Nine articles discuss: National Institute of Handicapped Research; bringing the handicapped into the mainstream of life; intelligent prosthetic devices; communication devices for the nonvocal disabled; microcomputer impact; computer-aided robotic arm/worktable system; rehabilitation and the handicapped programmer.

**Distributed processing systems; IEEE Transactions on Computers**, Vol. C-29, No. 12, Dec. 1980. \$10.00. **JH50849**

**Coverage:** The 11 technical papers represent recent original research in distributed systems. Approximately half are revised and updated versions of papers from the 1st International Conference on Distributed Computing Systems, Oct. 1–5, 1979 in Huntsville, AL (79CH1445-6). Broad topic areas covered: computer communication and computer networks; distributed databases; distributed processing systems.

**Hardware: Chips to systems, Advances in; Computer**, Vol. 14, No. 2, Feb. 1981. \$6.00. **JH55905**

**Coverage:** Five articles discuss these selected areas in the field of computer hardware: VHSIC (very high speed integrated circuits) systems and technology; augmented data manipulator (ADM) network in PASM (partitionable SIMD/MIMD) multimicroprocessor system; Nebula military computer architecture; distributed systems design problems; contention channel mechanisms of Ethernet and Hyperchannel.

**Microprocessors in electrical engineering education; IEEE Transactions on Education**, Vol. E-24, Nos. 1 and 2, Feb. and May, 1981. \$10.00 each. **JH54528** and **JH54536**

**Coverage:** These two special issues are devoted to the growing interest of the electrical engineering education community in the microprocessor and feature 34 papers and 13 short notes which discuss: implementation; problems; home use systems; current systems; turn-key approach; experiment checking; instrumentation; faculty; bit-slicing; microprocessors in nonengineering environment; system design; microprocessor potential as power system analysis; control and filtering; international efforts.

**Mobile spread-spectrum communications; IEEE Transactions on Vehicular Technology**, Vol. VT-30, No. 1, Feb. 1981. \$10.00. **JH55855**

**Coverage:** The five technical papers in this special issue are concerned with the analysis of performance of spread-spectrum communications systems and focus on multiple-access interference with consideration to the effects of narrow-band interference and fading.

**Monolithic microwave III-V devices and circuits, Advances in; IEEE Transactions on Electron Devices**, Vol. ED-28, No. 2, Feb. 1981. \$10.00. **JH54577**

**Coverage:** Sixteen papers cover materials, processing, and active and passive components in these specific areas: large-area GaAs wafers; mixers and oscillators; receiver chips; microwave amplifiers; active control and passive circuit elements.

**Program transformations; special section pp. 1-39, IEEE Transactions on Software Engineering**, Vol. SE-7, No. 1, Jan. 1981. \$10.00. **JH55616**

**Coverage:** Four papers and the introduction present these aspects in the program transformation field: optimization; program manipulation; reality, specification, and techniques; abstract data types; correctness, semantics; algorithms; high-level language; source-to-source transformation; verification.

**Quaternary compound semiconductor materials and devices—sources and detectors; IEEE Journal of Quantum Electronics**, Vol. QE-17, No.2, Feb. 1981. \$10.00. **JH56317**

**Coverage:** The 29 papers in this issue are dedicated to two quarternary materials systems. InGaAsP/InP, lattice-matched system and AlGaAsSb/GaSb lattice-matched alloy system, and are grouped into three categories: crystal growth and characterization; lasers and light-emitting diodes; detectors.

**Semiconductor materials, processes, and devices, Characterization techniques for; IEEE Transactions on Electron Devices**, Vol. ED-27, No. 12, Dec. 1980. \$10.00. **JH51581**

**Coverage:** Recent advances in characterization techniques are presented in 19 papers that are grouped under these broad topic areas: defect characterization; dopant and mobility profiles; test structures and process diagnostics; failure analysis.

**Spectrum, efficient use of; Proceedings of the IEEE**, Vol. 68, No. 12, Dec. 1980. \$10.00. **JH50344**

**Coverage:** Radio frequency spectrum management is the concern of the seven technical papers which specifically cover: communication theory and efficient spectrum utilization; multiple user information theory; satellites; frequency assignment in Europe and in the US; FM reception; economic efficiency of spectrum management.

**Technology ’81: an applications review; IEEE Spectrum**, Vol. 18, No. 1, Jan. 1981. \$8.00. **JH53405**

**Coverage:** This annual technology review, containing 19 articles and a guide for further reading, discusses: computers; communications; solid-state; instrumentation; manufacturing; power/energy; consumer electronics.

## IEEE Standards

**ANSI N42.5-1965** (Reaffirmed 1977). *American National Standard: Bases for GM Counter Tubes. Including ANSI N42.6-1980* (Revision of ANSI N42.6-1965). *American National Standard: Interrelationship of Quartz-Fiber Electrometer Type Exposure Meters and Companion Exposure Meter Charges*; Jan. 30, 1981. 7 pp., \$4.00. **SH07617**

**ANSI N42.12-1980. American National Standard: Calibration and Usage of Sodium Iodide Detector Systems**; Nov. 21, 1980. 15 pp., \$5.00. **SH08110**

**ANSI/IEEE C37.4c-1980.** Supplement to ANSI C37.4-1953 (Reaffirmed 1976). *American National Standard: Definitions and Rating Structure AC High-Voltage Circuit-Breakers Rated on a Total Current Basis*; Nov. 28, 1980. 1 pp., no charge when individually distributed; \$2.00 charge for ANSI bulk orders. **SH07450**

**ANSI/IEEE C37.99-1980. American National Standard: IEEE Guide for Protection of Shunt Capacitor Banks**; Dec. 16, 1980. 44 pp., \$7.00. **SH08094**

**ANSI/IEEE C57.12.00-1980. American National Standard: IEEE Standard General Requirements for Liquid-Immersed Distribution, Power, and Regulating Transformers**; Nov. 28, 1980. 35 pp., \$5.50. **SH07625**

**ANSI/IEEE C57.12.11-1980** (Revision of IEEE Std 283-1968). *American National Standard: IEEE Guide for Installation of Oil-Immersed Transformers (10MVA and Larger, 69-287kV Rating)*; Nov. 7, 1980. 15 pp., \$4.00. **SH06056**

**ANSI/IEEE C57.12.12-1980** (Supplement to ANSI/IEEE C57.12.11-1980). *American National Standard; IEEE Guide for Installation of Oil-Immersed EHV Transformers 345 kV and Above*; Nov. 7, 1980. 22 pp., \$5.00. **SH08136**

**ANSI/IEEE C57.12.90-1980. American National Standard: IEEE Standard Test Code for Liquid-Immersed Distribution, Power, and Regulating Transformers and IEEE Guide for Short-Circuit Testing of Distribution and Power Transformers**; Nov. 28, 1980. 76 pp., \$9.00. **SH08102**

**ANSI/IEEE Std 18-1980. American National Standard: IEEE Standard for Shunt Power Capacitors**; Dec. 15, 1980. 24 pp., \$5.50. **SH07864**

**ANSI/IEEE Std 762** (Issued December 1980 for trial use). *Draft American National Standard: IEEE Trial-Use Standard Definitions for Use in Reporting Electric Generating Unit Reliability, Availability, and Productivity*; Dec. 18, 1980. 20 pp., \$5.00. **SH08052**. *NOTE:* Distribution of draft standard for comment shall not continue beyond 12 months from the date of publication.

**IEEE Std 11-1980** (RFevision of IEEE Std 11-1962). *IEEE Standard for Rotating Electric Machinery for Rail and Road Vehicles*; Jan. 30, 1981. 26 pp., \$8.00. **SH07856**

**IEEE Std 333-1980** (Revision of IEEE Std 333-1972). *IEEE Standard for Electrical Installations on Packaging Machinery and Associated Equipment*; Nov. 11, 1980. 27 pp., \$7.00. **SH07880**

**IEEE Std 377-1980. IEEE Recommended Practice for Measurement of Spurious Emission from Land-Mobile Communication Transmitters**; Nov. 14, 1980. 26 pp., \$6.00. **SH07898**

**IEEE Std 399-1980. IEEE Brown Book: IEEE Recommended Practice for Industrial and Commercial Power Systems Analysis**; Nov. 24, 1980. 224 pp., LC 80-83820, ISBN 0-471-09262-2, \$24.95. **SH07906**

**IEEE Std 467-1980. IEEE Standard Quality Assurance Program Requirements for the Design and Manufacture of Class 1E Instrumentation and Electric Equipment for Nuclear Power Generating Stations**; Nov. 26, 1980. 12 pp., \$5.00. **SH07765**

**IEEE Std 493-1980. IEEE Gold Book: IEEE Recommended Practice for the Design of Reliable Industrial and Commercial Power Systems**; ©1980. 224 pp., LC 80-83819, ISBN 0-471-09261-4, \$19.95. **SH07955**

**IEEE Std 524-1980. IEEE Guide to the Installation of Overhead Transmission Line Conductors**; Dec. 18, 1980. 56 pp., \$8.00. **SH07732**

**IEEE Std 529-1980** (Supplement to IEEE Std 517-1974, Reaffirmed 1980). *Supplement for Strapdown Applications to IEEE Standard Specification Format Guide and Test Procedure for Single-Degree-of-Freedom Rate-Integrating Gyros*; Jan. 29, 1981. 23 pp., \$15.00. **SH07989**

**IEEE Std 587-1980. IEEE Guide for Surge Voltages in Low-Voltage AC Power Circuits**; Jan. 30, 1981. 25 pp., \$6.00. **SH07997**

**IEEE Std 603-1980** (Revision of IEEE Std 603-1977). *IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations*; Nov. 24, 1980. 30 pp., \$7.00. **SH07849**

**IEEE Std 643-1980. IEEE Guide for Power-Line Carrier Applications**; Jan. 30, 1981. 63 pp., \$11.00. **SH08029**

**IEEE Std 662-1980. IEEE Standard Terminology for Semiconductor Memory**; Nov. 26, 1980. 20 pp., \$5.00. **SH08045**

## IEEE Press

**Analog MOS Integrated Circuits**, a Book of Selected Reprints, edited by Paul R. Gray, David A. Hodges, and Robert W. Brodersen (all of University of California, Berkeley). ©1980. 405 pp. ISBN Clothbound 0-87942-141-X, LC 80-22116 (CIP Data appears on p. iv). \$30.95. **PC01347** (OOP 2). Also distributed through John Wiley & Sons, Inc. Wiley Order No. Clothbound: 0-471-08966-4

**Coverage:** This book provides a summary of the activity in this area of integrated circuit design. Its 51 papers are divided into eight sections: introduction/overview; analog circuit design in MOS LSI (metal oxide semiconductor large-scale integration); serial, successive approximation and parallel analog-digital and digital-analog converters in MOS; nonlinear coder-decoders for telecommunications; monolithic MOS filters; system applications of analog-digital MOS LSI; computer simulation of analog-digital LSI.

**Optical Fiber Technology II**, a Book of Selected Reprints, edited by Charles K. Kao (ITT). ©1981. 343 pp. ISBN Clothbound 0-87942-143-6, LC 80-25665 (CIP Data on verso of title page). \$29.95. **PC01388** (OOP 2). Also distributed through John Wiley & Sons, Inc. Wiley Order No. (clothbound) 0-471-09169-3



**Coverage:** This volume, the second in the IEEE reprint series on this subject, provides "a comprehensive survey of the key developments that have taken place since the 1976 publication of the first volume edited by Detlef Gloge" (PC00588; \$28.95). The volume's sections are: introduction and survey; fiber waveguide theory; materials and fabrication; measurement; fiber cables; radiation effects; connector splices and couplers; fiber transducers; receivers; system design; applications.

**Protective Relaying for Power Systems**, a Book of Selected Reprints, edited by Stanley H. Horowitz (American Electric Power Service Corp.). © 1980. 575 pp. ISBN Clothbound 0-87942-139-8, LC 80-21776 (CIP Data appears on the verso of the title page). \$45.95. **PC01362** (OOP 2). Also distributed through John Wiley & Sons, Inc. Wiley Order No. Clothbound: 0-471-08968-0

**Coverage:** This volume reviews the basic principles associated with the protection of a power system and its related equipment. Its eight parts discuss: protective relaying philosophy and fundamental considerations; transmission line, rotating machinery, power transformer, bus, reactor, and capacitor protection; relay input sources; digital relaying; power system performance.

## Tutorials

**Digital Simulation of Electric Transient Phenomena**, held Feb. 5, 1981 at the 1981 IEEE Power Engineering Society Winter Meeting in Atlanta, GA; sponsored by IEEE PE. *IEEE Tutorial Course—Course Text*, 60 pp., \$16.00. **81EH0173-5** (OOP 8)

**Office Automation Systems Tutorial**, initially presented at the [4th] 1980 Computer Networking Symposium, held Dec. 10–11, 1980 in Gaithersburg, MD; edited by Kenneth J. Thurber. 201 pp., LC 80-84121 (preassigned), \$14.00. **EH0172-7** (OOP 8). The Proceedings (80CH1586-7) from the 1980 Computer Networking Symposium is listed in the Conference Publications section of this issue.

**Personal Computing, Perspectives on** (Tutorial Series 4); *Computer*, Vol. 14, No. 1, Jan. 1981. \$6.00. **JH55987** (not distributed under OOP)

**Power System Stabilization Via Excitation Control**, held Feb. 4, 1981 at the 1981 IEEE Power Engineering Society Winter Meeting in Atlanta, GA; sponsored by IEEE PE. *IEEE Tutorial Course—Course Text*, 53 pp., \$16.00. **81EH0175-0** (OOP 8)

**Software Design** (Tutorial Series 5); *Computer*, Vol. 14, No. 2, Feb. 1981. \$6.00. **JH55905** (not distributed under OOP)

## Changes in IEEE Periodicals

**Increased frequency of publication and enlarged coverage:** *IEEE Transactions on Power Apparatus and Systems* has changed from bimonthly to monthly commencing with Vol. PAS-100, No. 1, January 1981. *T-PAS* will now contain *all* accepted papers with their discussions and closures from the IEEE Power Engineering Society conferences (Summer Power; Winter Power; Joint Power Generation; etc.). There will no longer be any individual conference records or the abstracts collections that were printed in *T-PAS*.

## Miscellaneous Publications

**Cumulative Index to IEEE Photovoltaic Specialists Conference—1962–1980.** ©1980, 76 pp., \$10.00. **80TH0081-0** (OOP 1-All; OOP 6 with notification)

**Coverage:** This index contains three main sections: Tables of Contents for all the published Conference Records; Author Index; Subject Index. In Addition, two tables contain information about the IEEE Photovoltaic Specialists Conferences (dates, location, etc.) and the Conference Proceedings from them.

**IEEE 1981 U. S. Membership Salary and Fringe Benefit Survey;** prepared by Abbott, Langer & Associates for the IEEE United States Activities Board (USAB). © 1981, approx. 138 pp., available pre-publication (postmarked on or before June 8, 1981) at \$52.00 nonmember, \$39.00 member (after June 8, 1981: \$60.00 and \$45.00 respectively). **UH01453** (not distributed under OOP)

**Coverage:** The book contains information on current electrical/electronics engineers' compensation, as well as features on pension and other retirement coverage; life insurance; health, accident, and medical coverage; vesting; vacation. Numerous tables are included.

**Moral Issues of Energy vs. Human Health;** Special Publication No. 19 of the IEEE PES, presented at the 1980 IEEE Power Engineering Society Summer Meeting held on July 15, 1980 in Minneapolis, MN; 28 pp., \$6.00. **80TH0082-8** (OOP 6)

**Coverage:** Five panel presentations with discussion which cover ethical considerations in technological development, energy, and environmentalism.

**Software, Selected Reprints in;** edited by Marvin V. Zelkowitz. ©1980, 282 pp., LC 80-84343 (preassigned), \$16.00. **TH0080-2** (OOP 6)

**Coverage:** Four sections consisting of 28 reprinted articles from *Computer* discuss programming languages; software creation; data bases; applications.

## Supplementary Information

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