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.


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.


Electron Devices Meeting, [46th 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)


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. 80CH1585-8 (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 77-35944, 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.

IEEE Standards


Coverage: These two special issues are devoted to the growing interest of the electrical engineering community in the microprocessor and feature 34 papers and 13 short notes which discuss: implementation problems; home use; market key approach; experiment checking; instrumentation; faculty; bit slicing; microprocessors in microcontroller 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-31, No. 3, May 1982. $0.00 each. JH54938

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 Power Engineering, Vol. 1, No. 4, Dec. 1980. $0.00 each. JH54577

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


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


IEEE Press


Coverage: This book provides a summary of the activities in this area of integrated circuit design. Chapters 21 papers are divided into eight sections: introduction/overview; analog circuit design in MOS (metal oxide semiconductor/large scale integration); serial, successive approximation; and parallel analog-digital and digital-analog converters in MOS; non-linear, non-ideal, non-ideal circuit design; MOS filters; systems applications of analog-digital MOS; computer simulations; and the design and applications of MOS integrated circuits.


Coverage: This book presents a collection of reprints in the area of integrated circuit design. Seven chapters are divided into eight sections: introduction/overview; analog circuit design in MOS (metal oxide semiconductor/large scale integration); serial, successive approximation; and parallel analog-digital and digital-analog converters in MOS; non-linear, non-ideal, non-ideal circuit design; MOS filters; systems applications of systems applications of analog-digital MOS; computer simulations; and the design and applications of MOS integrated circuits.
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 closings 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 6, 1981) at $52.00 nonmember, $39.00 member (after June 6, 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.


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

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 1977 and earlier years are available from Walter J. Johnson, Inc., Back Issues Dept., 355 Chestnut St., Norwood, N.J. 07648.

Open Order Plan Subscriptions: Automatic ordering of nonperiodical IEEE publications is available under an OOP (Open Order Plan). Please request brochure F-72 for details.

Price Information: All prices listed in this Bulletin are nonmember prices. If you are an IEEE member, please consult listings in *IEEE Spectrum* for the discounted prices to which you are entitled, and mention your member number when ordering.

Additional Copies of this Bulletin are available, at your request, for circulation to technical personnel in your organization. Write to: Information Services Dept., IEEE, 345 E. 47th St., New York, NY 10017.

How to Order

Orders should include publication title, product number printed in boldface in the listings, price, and quantity desired. There is a $2.00 billing charge on all non-prepaid orders of under $100.00. Add $2.00 shipping-handling charge if order includes an IEEE Standard. (New Jersey residents please add 5% sales tax.) Send all orders to:

IEEE Service Center
Publication Sales Dept.
445 Hoes Lane
Piscataway, NJ 08854

Phone: (201) 981-0060
Telex No. 212-752-4929

Managing Editor: Elizabeth Braham

Associate Editor: Susan E. James