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 subscription of the IEEE Open Order Plan (OOP). All conference publications are identified by appropriate OOP subscription 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.

Circuits, Systems, and Computers, 15th Asilomar Conference on, held Nov. 9–11, 1981 in Pacific Grove, CA; sponsored by Naval Postgraduate School, University of Santa Clara, and IEEE C; edited by Shu-Park Chan, Conf. Record, 590 pp., LC 81-86539 (preassigned), $44.00. 81CH1742-6 (OOP 1E)

Coverage: This meeting which presents new ideas and preliminary research results in the areas of circuits, systems, and computers, especially emphasized these topics in its 21 technical sessions; software engineering; adaptive filters; digital system development techniques; image processing; digital filters; switched-capacitor filters; topological applications; VLSI design methods; tracking applications; large-scale systems; identification and model reduction.


Coverage: The practical applications of numerical techniques to magnetic field problems and related topics are described. The Conference proceedings includes 76 papers divided into seven sections on magnetostatic and electrostatic field calculations; magnetoodynamic field calculations; materials properties: hysteresis and saturable steel; numerical techniques; computer-aided design; practical experience with magnetic computation; electromagnetic forces and stresses.


Coverage: Six articles, chosen because they represent the relationship between computer graphics technology and productivity, include: case study of a CAD system start-up and maintenance; human/computer interface; use of CAD in designing electrical systems for industrial plants; computer graphics and quality assurance; graphics in numerical control; integrated CAD/CAM systems.

Computer Networking Symposium, 1981, held Dec. 8, 1981 in Gaithersburg, MD; sponsored by IEEE C and U.S. NBS. Proceedings, 151 pp., LC 81-82786 (preassigned), $32.00. 81CH1699-8 (OOP 1E)

Coverage: Nineteen technical papers cover four basic topic areas: local networks; analysis; performance; design.


Coverage: The program for COMPCON Spring 82 concentrates on these four major areas of high interest to computer scientists and computer users: VLSI, networking, software, and applications. 36 technical sessions cover: new VLSI computers; network file servers and data bases; computers in art and entertainment; publication quality computer output; novel VLSI architectures; computer games; teaching VLSI design; competing local network technologies; encryption and other security issues; personal computers; etc.


Coverage: The physics and engineering of electromagnetic propulsion are studied in 31 papers.

Electron Devices Meeting, (IEEE) 27th International (IEDM), held Dec. 7–9, 1981 in Washington, DC; sponsored by IEEE ED. Technical Digest, 711 pp., LC 78-20188 (not exact), $60.00 81CH1708-0 (OOP 1D)

Coverage: The 29 sessions comprising 170 papers, cover six important areas of IEDM: solid-state devices; device technology; integrated circuits; quantum electronics and energy conversion devices; detectors; sensors and displays; electron tubes.

Ferroelectricity, 5th International Meeting on, (IMF-5), held Aug. 17–21, 1981 in University Park, PA; sponsored by IUPAP, ONR, ARO, NSF, IEEE, et al. Proceedings, 1272 pp., $140.00. 81CH1641-9 (OOP 1D)

NOTE: The Proceedings from IMF-5 are being published as five consecutive volumes of Ferroelectrics (Vols. 34 to 39).

Coverage: Both the basic knowledge and engineering applications of ferroelectricity are examined in the contributions in this Proceedings in areas such as: general theory; incommensurate phases; improper ferroelectrics; perovskites; tungsten bronzes, bismuth titanate family and other inorganic ferroelectrics; niobates and tantalates; antimony sulphur iodide and Jahn-Teller ferroelectrics; applications and novel materials; hydrogen bonded ferroelectrics; etc.

Fusion Research, 9th Symposium on Engineering Problems of, held Oct. 26–29, 1981 in Chicago, IL; sponsored by IEEE NPS, DoE, ANS, Argonne National Laboratory, EPRI. Proceedings, 2 vols, 2160 pp., LC 80-647479, ISSN 0145-5958, $116.00. 81CH1715-2 (OOP 1B)

Coverage: Topics such as these are examined in 45 technical sessions: quality assurance; Elmo Bumpy Torus; magnet design and eddy currents; coils; vacuums; superconducting magnets; superconductor materials; energy storage, switching, and supply; plasma engineering; International Tokamak Reactor (INTOR); data handling; inertial confinement fusion (ICF); neutral beam heating systems; RF plasma
IEEE Standards

Unless otherwise noted, Standards listed in this section are distributed under OOP Option 5.


IEEE Press


Coverage: This volume, with 48 reprinted articles, is meant to help engineers, scientists, and other professionals develop the skills necessary to communicate information and concepts in a clear, concise, and effective way. The book is divided into five parts: getting started (assessment and planning); the rhetoric of papers and articles; tricks of the trade; research results; following through.

Tutorials

Automated Testing of LSI (Tutorial Series 14); Computer, Vol. 15, No. 3, March 1982, pp. 69-78. $12.00. JH59550 (not distributed under OOP)

Context-Directed Pattern Recognition and Machine Intelligence Techniques for Information Processing Tutorial; edited by Yoh-Han Pao and George W. Ernst. ©1982 by IEEE, 559 pp., LC 82-80243 (preassigned). $30.00. EH0193-3 (OOP 8)


Miscellaneous Publications


Changes in IEEE Periodicals

Price Change: Some IEEE publications have increased their single copy price as follows:
- Computer: IEEE Computer Graphics and Applications Magazine: all IEEE Journals; IEEE Micro; IEEE Power Engineering Review; IEEE Spectrum; all IEEE Transactions; Proceedings of the IEEE are now $12.00 (nonmember) and $6.00 (member). This increase also applies to any back issues ordered from stock.

Increased Frequency of Publication: IEEE Transactions on Automation Control will change from bimonthly to monthly commencing with Vol. AC-28, No. 1, January 1983.

Correction: The first issue of IEEE Potentials, the new student magazine, is Winter 1982 not January 1982 as was announced in the January 1982 issue of the Bulletin.

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 1979 and earlier years are available from Walter J. Johnson, Inc., Back Issues Dept., 355 Chestnut St., Norwood, NJ 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: Publication Administrative 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 handling/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

Manager Publication Administrative Services: Patricia H. Penick

Managing Editor: Susan E. James

Phone: (201) 981-0060
Teletypewriter No. 212-752-4929
Telex No. 833-233