



# 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.

**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*, 500 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.

**COMPUMAG: 3rd Conference on the Computation of Magnetic Fields**, held Sept. 14-17, 1981 in Chicago, IL; sponsored by CSEE, Elekroniikkainsinoorien Seura r.y., IEEE, IEE, IP, and Nederlands Elektronica. Proceedings in *IEEE Transactions on Magnetics*, Vol. MAG-18, No. 2, March 1982, 396 pp., \$24.00. **JH58735** (not distributed under OOP). NOTE: Also referred to as the Conference on the Computation of Electromagnetic Fields.

**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; magnetodynamic field calculations; materials properties: hysteresis and saturable steel; numerical techniques; computer-aided design; practical experience with magnetic computation; electromagnetic forces and stresses.

**Computer Graphics Association Conference, 2nd National**, (NCGA'81), held June 15-18, 1981 in Baltimore, MD; sponsored by NCGA. Selected papers in *IEEE Computer Graphics and Applications*, Vol. 2, No. 1, Jan. 1982. \$12.00. **JH59758** (not distributed under OOP)

**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.

**Computer Society International Conference, 24th IEEE**, (COMPCON Spring 82), held Feb. 22-25, 1982 in San Francisco, CA; sponsored by IEEE C. *Digest of Papers: High Technology in the Information Industry*, 418 pp., LC 81-86399 (preassigned), \$45.00. **82CH1739-2** (OOP 1E).

**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.

**Electromagnetic Guns and Launchers, 1980 Conference on**, held Nov. 4-6, 1980 in San Diego, CA; sponsored by U.S. Army Armaments Research and Development Command (ARRADCOM) and Defense Advanced Research Projects Agency. Selected papers in *IEEE Transactions on Magnetics*, Vol. MAG-18, No. 1, Jan. 1982, 216 pp., \$18.00. **JH58727** (not distributed under OOP)

**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. **81CH1708-7** (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. **81CH1641-0** (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



heating; controls; instrumentation; diagnostics; etc.

**IEEE Region 6 Conference**, held Feb. 16–19, 1982 in Anaheim, CA; sponsored by IEEE Reg. 6. *Proceedings: A Microcosm of Electrical/Electronics Topics*, 191 pp., no LCN (disregard LCN printed in the volume; it only applies to the 1980 Proceedings), \$54.00. **82CH1738-4** (OOP 1H)

**Coverage:** These topics are covered in twelve technical sessions: speech synthesis; recognition and processing; microprocessors in control systems; special modules for microprocessors systems; Space Shuttle/orbiter-payload; testability; signal processing; Ada implementations; power electronics; communications; recognition and tracking; energy management computing.

**Industrial Electronics and Control Instrumentation Society Meeting, IEEE IEIC '81**, held Nov. 9–12, 1981 in San Francisco, CA; sponsored by IEEE, IEIC and IEEE C. *IEIC Proceedings—Applications of Mini and Microcomputers*, 449 pp., LC 81-83767 (preassigned), \$57.00. **81CH1714-5** (OOP 1E)

**Coverage:** This annual conference devoted to mini and microcomputers features 18 technical sessions with papers on: automated systems control; power converters; biomedical applications; software techniques; data acquisition; automatic testing and inspection; automated manufacturing and numerical control.

**Integrated and Guided-Wave Optics, 6th Topical Meeting on**, held Jan. 6–8, 1982 in Pacific Grove, CA; sponsored by IEEE QEA and OSA. *Digest of Technical Papers*, approx. 260 pp., LC 81-84300 (preassigned), \$40.00. **82CH1719-4** ((OOP 1D)

**Coverage:** This meeting, which deals with optical devices, integrated optical circuits, and phenomena in dielectric waveguide configurations, features 12 technical sessions on: signal processing; semiconductor lasers; fiber optical systems; waveguide technology; temperature sensitivity of quaternary lasers; nonlinear interactions; detectors; optical switches; acousto- and electro-optical devices; couplers.

**Lasers and Electrooptics, 1st Conference on** (CLEO '81), held June 10–12, 1981 in Washington, DC; sponsored by IEEE QEA and OSA. Selected papers in *IEEE Journal of Quantum Electronics*, Vol. QE-18, No. 2, Feb. 1982, 92 pp., \$12.00. **JH60012** (not distributed under OOP). The Digest of Technical Papers (81CH1655-0) from this conference was listed in the July 1981 issue of the Bulletin. The Digest of Technical Papers and Digest of Postdeadline Papers published in *J-QE* (JH57000) was listed in the Jan. 1982 issue of the Bulletin.

**Magnetic Fields, Conference on the Computation of**, see COMPUMAG: 3rd Conference on the Computation of Magnetic Fields

**Magnetic Films and Surfaces, 9th International Colloquium on**, (ICMFS), held Aug. 23–31, 1979 in Poznan, Poland; sponsored by IUPAP, Institute of Molecular Physics of the Polish Academy of Sciences, University of Lodz, and Adam Mickiewicz University in Poznan. Seven papers in *IEEE Transactions on Magnetism*, Vol. MAG-18, No. 2, March 1982, 34 pp., \$24.00. **JH58735** (not distributed under OOP)

**Coverage:** Seven presentations from this meeting review the basic problems and new ideas in various magnetic systems having properties such as thinness of the material or the presence of surfaces.

**Mediterranean Electrotechnical Conference, 1st**, (MELECON '81), held May 24–28, 1981 in Tel-Aviv, Israel; sponsored by IEEE Reg. 8, IEEE Israel Section, and the AEAI. *Proceedings: Electrotechnology for Development*, approx. 520 pp., \$66.00. **81CH1659-2** (OOP 1H)

**Coverage:** This conference, whose purpose is to highlight those technical subjects of particular interest to the electrical and electronics industries and research centers of Mediterranean countries, features 28 technical sessions with papers on: computer networks; waves of the surface acoustic, electromagnetic, and optical types; power; technology transfer; drives; microcomputers; VLSI; solid-state technology; antennas; solar energy; microprocessors; etc.

**Microwave Remote Sensing of the Surface of the Earth, URSI Commission F. Symposium on Signature Problems in** (see note), held Jan. 5–8, 1981 in Lawrence, KS; sponsored by IEEE GRS and IEEE COE.

Selected papers on land remote sensing in *IEEE Transactions on Geoscience and Remote Sensing*, Vol. GE-20, No. 1, Jan. 1982, 90 pp., \$12.00. **JH58487** (not distributed under OOP). Selected oceanographic papers in *IEEE Journal of Oceanic Engineering*, Vol. OE-7, No. 1, Jan. 1982, 50 pp., \$12.00. **JH59964** (not distributed under OOP). NOTE: Also referred to as the 2nd URSI Specialists Meeting on Microwave Scatter and Emission from the Earth (in *J-OE*).

**Coverage:** These aspects of microwave remote sensing of the earth's surface (land and sea) are examined in 21 papers selected from this symposium: radar observation of vegetation (ROVE); Seasat-1 scatterometer system (SASS); microwave radiometry; dielectric and radiative characteristics of soils and grounds; airborne radar data; remote sensing of snow; backscattering; radar signature of surfaces; radar equation; microwave radiation of the ocean surface.

**Microwave Symposium, IEEE MTT-S International**, held June 15–19, 1981 in Los Angeles, CA; sponsored by IEEE MTT. Selected papers and Symposium overview in *IEEE Transactions on Microwave Theory and Techniques*, Vol. MTT-29, No. 12, Dec. 1981, 120 pp., \$10.00. **JH55236** (not distributed under OOP). The Digest (81CH1592-5) from this symposium was listed in the July issue of the Bulletin.

**Coverage:** Seventeen selected papers cover topics such as: semiconductor devices; medical applications; circuit design; propagation; field theory; power, surface acoustic waves; ferrites; and measurements. An overview of the symposium is included.

**Mining Industry Technical Conference, 2nd** [IEEE], held April 28–May 1, 1981 in University Park, PA; sponsored by IEEE IA. *Conf. Record*, 192 pp., LC 81-81555 (preassigned), \$30.00. **81CH1673-3** (OOP 1B)

**Coverage:** These topics are explored in the twelve papers divided into three sessions: surface mining; mine power systems; power system analysis.

**National Telecommunications Conference, (10th IEEE)**, (NTC '81), held Nov. 29–Dec. 3, 1981 in New Orleans, LA; sponsored by IEEE CSCB. *NTC Record: Innovative Telecommunications—Key to the Future*, 4 vols, approx. 1600 pp., LC 81-82613 (preassigned), \$88.00. **81CH1679-0** (OOP 1C)

**Coverage:** The theme of the conference is reflected in the 66 technical sessions on these topics: fiber optics; networks; dynamic routing; switching; radio; maintenance software; modulation/demodulation; information society of the 80's; satellite communications; digital telecommunications networks; microprocessor applications; future ITU Radio conferences; man-machine interface; adaptive signal processing; image bandwidth compression; high-frequency communication; communication processing; data communication; microwave communications; speech encoding and encryption; spread-spectrum communications; computer networks; communication terminals; etc.

**Power Engineering Society Winter Meeting, 1982 IEEE**, held Jan. 31–Feb. 5, 1982 in New York, NY; sponsored by IEEE PE. All papers accepted for presentation at the Power Engineering Society Meeting will be published with their full text plus discussions and closures in various issues of the *IEEE Transactions on Power Apparatus and Systems*, not as a group, but with each paper's first page identifying the meeting at which it was presented and displaying the paper's number. Summaries of these papers will appear in forthcoming issues of the *IEEE Power Engineering Review*. Preprints of the technical papers are available from the IEEE Service Center at \$5.00 each; write for the program which lists the papers.

**Solid-State Circuits Conference, 29th**, (see note) **IEEE International** (ISSCC 82), held Feb. 10–12, 1982 in San Francisco, CA; sponsored by IEEE SSC, IEEE San Francisco Section, IEEE San Francisco Bay Area Council, and University of Pennsylvania. *Digest of Technical Papers*, 404 pp., LC 81-644810 (LCN 59-44023 printed in error in the volume), ISSN 0193-6530, \$64.00. **82CH1680-8** (OOP 1A). NOTE: The 25th anniversary commemorated is of the publication of the first DIGEST.

**Coverage:** While the continuing trend toward the application of VLSI technology is well represented in the program for ISSCC 82, some of the other topics featured in 29 technical sessions include: device modeling and characterization; digital signal processors; linear circuit techniques; testing and automation; static and dynamic RAMs.

**Switching Symposium, 10th International/Colloque International de Commutation** (ISS '81 CIC), held Sept. 21–25, 1981 in Montreal, Quebec, Canada; sponsored by IEEE Region 7, Canadian Society of Electrical Engineers (CSEE), and the Canadian Telecommunications Carriers Asso. (CTCA). *Keynote and Proceedings*, 1 plus 4 vols., 64 pp./approx. 1220 pp., \$93.50. **81CH1736-8** (OOP 1H). NOTE: The OOP option customers will receive hardbound copies of this publication. Complete sets, softbound (at the same price as hardbound sets), are available. The order number for the softbound set is: TH0094-3.

**Coverage:** Three main themes: systems, networks, and technology, are examined in 38 technical sessions with these specific areas covered: switching systems; switching systems—experience and enhancement; switching systems for mobile radio; component technology; line circuit technology; experimental switching systems; optics for telecommunications; common channel signalling; software protocols; integrated services networks; centralized maintenance; etc.

**Ultrasonics Symposium, 1981** [IEEE], held Oct. 14–16, 1981 in Chicago, IL; sponsored by IEEE SU; edited by B. R. McAvoy. *Proceedings*, 2 vols., 994 pp., LC 73-641406, ISSN 0090-5607, \$70.00. **81CH1689-9** (OOP 1D). The *IEEE Transactions on Sonics and Ultrasonics* contains an updated and corrected version of the Table of Contents in Vol. SU-29, No. 2, March 1982 (the "Editor's Note" cited March 1981 in error), \$12.00. **JH59444** (not distributed under OOP). The abstracts will appear in *IEEE Transactions on Sonics and Ultrasonics*, Vol. SU-29, No. 3, May 1982, \$12.00. **JH59451** (not distributed under OOP)

**Coverage:** Fourteen technical sessions cover: surface acoustic wave (SAW) filters, resonators and sensors, convolvers and signal processing, materials and propagation; magnetostatic surface waves (MSW) and bulk acoustics; thin films; physical acoustics; microscopy and material characterization; medical imaging and arrays; acousto-optics and acoust-electrics; photo and thermal acoustics; flow detection and applications; nondestructive evaluation (NDE).

### Special Issues

**Analog circuits; IEEE Journal of Solid-State Circuits**, Vol. SC-16, No. 6, Dec. 1981. \$12.00. **JH56473**

**Coverage:** Over half of the 22 contributions in this special issue devoted to analog integrated circuits are expanded versions of papers presented at the 1981 IEEE International Solid-State Circuits Conference (Feb. 18–20, 1981 in New York, NY; 81CH1588-3; See April 1981 issue of the Bulletin). These papers cover subjects such as: MOS capacitors; A/D and D/A conversion; amplifier and oscillator techniques; operational amplifiers; specialized circuits applications; components; integrated filter design.

**Communications in the automated office; IEEE Transactions on Communications**, Vol. COM-30, No. 1, Pt. 1, Jan. 1982. \$12.00. **JH58065**

**Coverage:** Communication and communications within the automated office are the two issues explored in the guest editor's prologue and in 16 contributions.

**Consumer electronics, Historical/classical papers on; IEEE Transactions on Consumer Electronics**, Vol. CE-28, No. 1, Feb. 1982. \$12.00. **JH57984**

**Coverage:** This special issue contains 13 previously published papers considered to be of lasting interest to readers. The republished papers originally appeared in issues of *T-CE* as well as its predecessor publications, the *IRE Transactions on Broadcast and Television Receivers* and the *IEEE Transactions on Broadcast and Television Receivers*.

**Data flow systems; Computer**, Vol. 15, No. 2, Feb. 1982. \$12.00. **JH59543**

**Coverage:** This special issue examines the research into the technology of data flow systems in five articles and an introduction. An overview of the field as it relates to high-speed computing is presented. Specific topics covered in the articles include: data flow languages; data flow program graphs; U-interpreter; data flow computer; alternatives to data flow techniques.

**Digital signal and waveform analysis; special section**, pp. 97–140, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol.

PAMI-4, No. 2, March 1982. \$12.00. **JH59014**

**Coverage:** Some important theoretical and application topics in digital signal and waveform analysis within the context of pattern recognition are addressed in this special section comprising four full papers and three correspondence items.

**Highly parallel computing; Computer**, Vol. 15, No. 1, Jan. 1982. \$12.00. **JH59535**

**Coverage:** Six articles examine recent developments in highly parallel computing, which is composed of techniques for using very large numbers of computing elements to solve problems.

**Picture communication systems; IEEE Transactions on Communications**, Vol. COM-29, No. 12, Dec. 1981. \$15.00. **JH54510**

**Coverage:** This special issue contains technical papers divided into three categories: algorithms for bandwidth compression; coding systems for televisions and teleconferencing; generation, composition, communication, and display of graphics.

**Quantitative cell analysis; special section**, pp. 69–121, *IEEE Transactions on Biomedical Engineering*, Vol. BME-29, No. 2, Feb. 1982. \$12.00. **JH57554**

**Coverage:** This special six-paper section covers the types of instrumentation, measurements, and techniques available for the study of cells and tissues such as: microscopic systems with a computer reviewing the image; television-based image analysis; slit-scanning of chromosomes and cells; and automatic characterization of tissue sections.

**Solid modeling; IEEE Computer Graphics and Applications**, Vol. 2, No. 2, March 1982. \$12.00. **JH59766**

**Coverage:** The five articles in this special issue serve as an introduction to the new field of solid modeling, giving both information on current solid modeling techniques and systems and a prognosis on the future of this field.

**Solid-state sensors, actuators, and interface electronics; IEEE Transactions on Electron Devices**, Vol. ED-29, No. 1, Jan. 1982. \$12.00. **JH58222**

**Coverage:** Recent progress in the field of solid-state sensors, actuators, and interface electronics is examined in 22 papers and 3 briefs with some of these topics highlighted: infrared devices; accelerometers; capacitive and piezoresistive pressure devices; magnetic sensors; moisture monitoring; ion-sensitive solid-state devices; gas sensors; flow sensors; application of solid-state processing techniques to biomedical problems.

**Stellarators and stellarator-type devices; IEEE Transactions on Plasma Science**, Vol. PS-9, No. 4, Dec. 1981. \$12.00. **JH55558**

**Coverage:** This special issue opens with a reprint of Lyman Spitzer's article "The Stellarator Concept" which began the history of these devices. It is followed by a survey of the world stellarator programs, both historically and in the present. The eleven remaining articles concern different aspects of stellarator configuration, including magnetics, orbits, modular coils, reactor aspects, equilibrium and stability, and experimental results.

**Technology '82; IEEE Spectrum**, Vol. 19, No. 1, Jan. 1982. \$12.00. **JH57026**

**Coverage:** This annual review of the state-of-the-art in electronics technology features articles on computers; communications; solid-state; test and measurement; manufacturing; power/energy; consumer electronics. A bibliography with suggestions for further reading in each of these areas concludes this special feature.

**Very fast solid-state technology; Proceedings of the IEEE**, Vol. 70, No. 1, Jan. 1982. \$12.00. **JH57141**

**Coverage:** These new developments in very fast solid-state technology are examined in seven papers: GaAs devices; heterostructure bipolar transistors; Josephson technology; ultra high-speed circuits; *in-situ* testability design (ISTD).



### IEEE Standards

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

**ANSI/IEEE C37.41-1981.** (Revision of ANSI/IEEE C37.41-1969. *American National Standard: IEEE Standard Design Tests for High-Voltage Fuses. Distribution Enclosed Single-Pole Air Switches, Fuse Disconnecting Switches, and Accessories*; Dec. 14, 1981. 36 pp., \$7.00. **SH07039**)

**ANSI/IEEE C57.92-1981.** *American National Standard: IEEE Guide for Loading Mineral-Oil-Immersed Power Transformers Up to and Including 100 MVA with 55°C or 65°C Average Winding Rise*; Dec. 14, 1981. 71 pp., \$10.00. **SH06031**

**IEEE C62.32-1981.** *IEEE Standard Test Specifications for Low-Voltage Air Gap Surge-Protective Devices (Excluding Valve and Expulsion Type Devices)*; Dec. 11, 1981. 17 pp., \$6.00. **SH08391**

**IEEE Std 647-1981.** *IEEE Standard Specification Format Guide and Test Procedure for Single-Axis Laser Gyros*; Dec. 14, 1981. 35 pp., \$15.00. **SH08441**

### IEEE Press

**Guide for Writing Better Technical Papers**, a Book of Selected Reprints; edited by Craig Harkins (IBM) and Daniel L. Plung (Exxon Nuclear Idaho Co., Inc.). ©1982 by IEEE. 219 pp. ISBN 0-87942-157-6, LC 81-20042 (CIP Data on verso of title page). \$22.95. **PC01529** (OOP 2). Also distributed through John Wiley & Sons, Inc., Wiley Order No. 0-471-86865-5

**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)

**Fundamentals of Supervisory Control Systems**, held Jan. 31-Feb. 5, 1982 at the 1982 IEEE Power Engineering Society Winter Meeting in New York, NY; sponsored by IEEE PE. *IEEE Tutorial Course—Course Text*, 99 pp., \$16.00. **81EH0188-3** (OOP 8)

**Microcomputer Networks Tutorial**; edited by Harvey A. Freeman and Kenneth J. Thurber. ©1981 IEEE, 268 pp., LC 81-85491 (preassigned). \$20.00, **EH0190-9** (OOP 8)

**Software Management Tutorial**; edited by Donald J. Reifer. 2nd edition, ©1981 IEEE, 502 pp., LC 81-85492 (preassigned). \$25.00, **EH0189-1** (OOP 8)

**VLSI Support Technologies: Computer-Aided Design, Testing, and Packaging Tutorial**, initially presented at COMPCON Spring 82, held Feb. 22-25, 1982 in San Francisco, CA; edited by Rex Rice. ©1982 by IEEE, 450 pp., LC 81-86478 (preassigned). \$25.00, **EH0191-7** (OOP 8)

### Miscellaneous Publications

**IEEE 1979-1980 Student Papers.** ©1982 by IEEE, 431 pp., LC 76-643986, ISSN 0362-4536, \$14.00. **TT0114-9** (not distributed under OOP)

**Reliability: An IEEE Spectrum Compendium.** ©1981 by IEEE, 72 pp., \$5.00. **TH0091-9** (not distributed under OOP). Available through SPECTRUM, IEEE Service Center

### 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

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

**Managing Editor:** Susan E. James

**Manager Publication Administrative Services:** Patricia H. Penick