

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.

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 of the IEEE Open Order Plan Subscription (OOPS). 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 OOPS.

Analysis and Control of Subsynchronous Resonance, presented at the IEEE Power Engineering Society 1976 Winter Meeting and Tesla Symposium, held Jan 25-30, 1976 in New York, NY; sponsored by IEEE Power Engineering Society. 80p. \$10.00 **76 CH10660**

Computer Architecture Symposium, held Jan 19-21, 1976 in Clearwater, FL; sponsored by the IEEE Computer Society and the Association for Computing Machinery. *Conf. Proceedings* 202p. \$20.00 **75 CH10435**

Computer Society International Conference, Spring 1976 IEEE (COMPCON SPRING), held Feb 24-26, 1976 in San Francisco, CA; sponsored by IEEE Computer Society. *Digest of Papers: Computers—the next 5 years*. 231p. \$20.00 **76 CH10694**

Control of Power Systems Conference, 1976, held Mar 10-12, 1976 in Oklahoma City, OK; sponsored by IEEE Region 5, Oklahoma City Section. *Conference Record* 163p. **LC 72-87449** \$12.00 **76 CH10579**

Electrical and Electronic Engineers in Israel, 1975 IEEE Convention of, held Apr 22-24, 1975 in Tel-Aviv, Israel; sponsored by IEEE Israel Section. *Proceedings* 1v. (various pagings) \$45.00 **75 CH09399**

Electrical/Electronics Insulation, 1975 (EIC) Conference, held Nov 11-14, 1975 in Boston, MA; sponsored by IEEE and NEMA. *Proceedings* 293p. **LC 73-80284** \$25.00 **75 CH10140**

Environmental Sensing and Assessment, International Conference on, held Sep 14-19, 1975 in Las Vegas, NV; a Joint Conference comprising the International Symposium on Environmental Monitoring and 3rd Joint Conference on Sensing of Environmental Pollutants. 2v. **LC 75-37494** \$35.00 **75 CH10041**

Essential Role of Nuclear Power—Accent on Safety, presented at the IEEE Power Engineering Society 1975 Summer Meeting, held Jul 22, 1975 in San Francisco, CA; *IEEE PES Sp. Pub. No. 12*. 36p. \$10.00 **75 CH10645**

Industrial Applications of Microprocessors, Process Measurement and Failure Mode Analysis, 1976 Conference, held Mar 8-10, 1976 in Philadelphia, PA; sponsored by IEEE Industrial Electronics and Control Instrumentation Group. *Proceedings* 127p. \$15.00 **76 CH11171**

Integrated Optics, Topical meeting on, held Jan 12-14, 1976 in Salt Lake City, UT; sponsored by Optical Society of America and IEEE Quantum Electronics Council. *Digest of Technical Papers* 1v. (various pagings) \$20.00 **76 CH10397**

Laser Engineering and Applications, 1975, IEEE/OSA Conference on, held May 28-30, 1975 in Washington, DC; sponsored by IEEE Quantum Electronics Council and Optical Society of America. *IEEE Journal of Quantum Electronics* Vol. QE-12 No. 2 Feb 1976 (Contains 12 papers presented at Conference. Additional papers to be published in *Applied Optics*) \$10.00 **JH 36517** (Not distributed under OOPS)

Material Handling, 1975 MHI Inter-Society Seminar and Symposium, held Jun 2-5, 1975 in Cincinnati, OH; sponsored by Material Handling Institute, et al. *Proceedings* 1v. (various pagings) \$30.00 **75 CH09829**

Modulator Symposium, 1976 IEEE, held Feb 4-5, 1976 in New York, NY; sponsored by IEEE Electron Devices Society and Advisory Group on Electron Devices. *Conf. Record* 235p. \$18.00 **76 CH10454**

Nuclear Power Systems Symposium see Nuclear Science Symposium
Nuclear Science Symposium, 22nd, [and] 7th Nuclear Power Systems Symposium held Nov 19-21, 1975 in San Francisco, CA; jointly

sponsored by IEEE NPS, IEEE PE, U. S. ERDA, and NASA. Proceedings published in *IEEE Transactions on Nuclear Science* Vol. NS-23 No. 1 Feb 1976 884p. \$20.00 **JH 34967** (Not distributed under OOPS)

Reliability and Maintainability Symposium, 1976, held Jan 20-22, 1976 in Las Vegas, NV; sponsored by IEEE Reliability Group, et al. *Proceedings* 503p. **LC 78-132873** \$18.00 **76 CH10447**

Simulation Symposium, held Mar 17-19, 1976 in Tampa, FL; sponsored by IEEE Computer Society, Association for Computing Machinery and Society for Computer Simulation. *Proceedings* 375p. \$20.00 **76 CH10553**

Solid-State Circuits Conference, 1976 IEEE International (ISSCC), held Feb 18-20, 1976 in Philadelphia, PA; sponsored by IEEE Solid-State Circuits Council, IEEE Philadelphia Section, and University of Pennsylvania. *Digest* 249p. **LC 59-44023** \$30.00 **76 CH10462**

Ultrasonics Symposium, 1975, IEEE, held Sep 22-24, 1975 in Los Angeles, CA; sponsored by the IEEE Group on Sonics and Ultrasonics. *Proceedings* 676p. **LC 74-77824** \$25.00 **75 CH09944**

Vehicular Technology Conference, held Mar 24-26, 1976 in Washington, DC; sponsored by IEEE VT Group and IEEE Washington Section. *Conf. Record* 178p. **LC 74-156349** \$15.00 **76 CH10561**

Special Issues

The special issues listed below have become available since the last issue of this Bulletin. Special issues devoted entirely to conferences are listed in the Conference Publications section.

Artificial Intelligence; IEEE Transactions on Computers Vol. C-25 No. 4 Apr 1976 \$10.00 **JM 33746**

Charge-Transfer Devices; IEEE Transactions on Electron Devices Vol. ED-23 No. 2 Feb 1976. **JH 34272** or *IEEE Journal of Solid-State Circuits* Vol. SC-11 No. 1 Feb 1976. \$10.00 **JM 35378**

Innovation; IEEE Transactions on Engineering Management Vol. EM-23 No. 1 Feb 1976 \$10.00 **JH 34421**

Instrumentation '76: Advice and aid for the test equipment user; IEEE Spectrum Vol. 13 No. 4 Apr 1976 \$8.00 **JH 31807**

New Directions in Continuing Education; IEEE Transactions on Education Vol. E-19 No. 1 Feb 1976 \$10.00 **JH 34223**

Telecommunications in Latin America; (special section) IEEE Transactions on Communications Vol. COM-24 No. 3 Mar 1976 \$10.00 **JH 34124**

IEEE Standards

IEEE Std 268-1976, ASTM E380-75 (Supersedes IEEE Std 268-1973; IEEE Std 322-1971; ASTM E380-1974) *ASTM/IEEE Standard Metric Practice*; Jan 30, 1976. 47p. \$4.00 **SH106106**

IEEE Std 277-1975 (Rev. of Std 277-1967), *IEEE Recommended Practice for Cement Plant Power Distribution*; Dec 29, 1975. 27p. \$4.50 **SH12773**

IEEE Std 301-1976 (Rev. of Std 301-1969), *IEEE Standard Test Procedures for Amplifiers and Preamplifiers for Semiconductor Radiation Detectors for Ionizing Radiation*; Jan 30, 1976. 28p. \$5.00 **SH106007**

IEEE Std 391-1976, *IEEE Standard for High-Power (Greater than 300 Watts, Peak) Pulse Transformers*; Jan 23, 1976. 23p. \$5.00 **SH103913**

IEEE Std 538-1976, ANSI C37.13a-1975, *American National Standard—IEEE Standard for Low-Voltage AC Integrally Fused Power Circuit Breakers*; Jan 30, 1976. 11p. \$4.00 **SH05389**

IEEE Press

Communications Channels: Characterization and Behavior, edited by Bernard Goldberg, U. S. Army Electronics Command. © 1976. 762p. ISBN 0-87942-057-X LC 75-23596 \$22.95 PC00620 A Book of Selected Reprints.

Contents: Introduction; Broadly Applicable Concepts; Wire and Cable Communication Channels; VLF, LF, MF; HF Ionosphere; VHF Line of Sight; Diffraction; UHF, SHF Line of Sight; UHF, SHF Troposcatter; Satellite Communications; Millimeter Wave; Lasers; Subsurface and Ocean Channels; Subject and Author Indexes. A total of 65 reprinted papers.

Optical Fiber Technology, edited by Detlef Gloge, Bell Laboratories. © 1976. 429p. ISBN 0-87942-061-8 LC 75-23777 \$19.95 PC00588 A Book of Selected Reprints.

Contents: Introduction; Introductory Survey; Fiber Preparation; Materials and Loss Evaluation; Propagation Theory; Signal Distortion; Fiber Strength and Stability; Connection and Splicing; Transmitter, Receiver, and Peripheral Electronics; Applications and Systems Considerations; Subject and Author Indexes. A total of 49 reprinted papers.

Selected Papers in Digital Signal Processing, II, edited by the Digital Signal Processing Committee, IEEE Acoustics, Speech, and Signal Processing Society. © 1976. 582p. ISBN 0-87942-059-6 LC 75-22925 \$17.95 PC00562 A Book of Selected Reprints.

Contents: Preface; General Considerations; One-Dimensional Digital Filtering; Two-Dimensional Signal Processing; Finite Word Length Effects; Network Structures; Hardware; Terminology; Subject and Author Indexes. A total of 63 reprinted papers.

Miscellaneous Publications

Application of Optimization Methods in Power System Engineering: Tutorial Course sponsored by IEEE Power Engineering Society. 88p. \$10.00 76 CH11072

Energy Development II: IEEE Power Engineering Society Papers. 196p. \$10.00 76 CH11023

Management Auditing of Computer Operations: Text and References for a Tutorial; sponsored by IEEE Computer Society. Iv. (various pagings) \$16.00 EH 01156

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Backfiles: Date from 1884 through 1970 and include all periodicals of the IEEE's predecessor societies—The Institute of Radio Engineers and The American Institute of Electrical Engineers. Purchasers of the complete backfiles of all of the IEEE Trans-

actions (1951-1970) are entitled to sizable discounts on the sum of the individual *Transactions* prices.

Annual Updates: Include all IEEE periodicals published since January 1, 1971, on a yearly basis. Purchasers of all IEEE *Transactions* on microfilm for a single year receive sizable discounts under the total of the individual *Transactions* prices. They also receive a free copy of the annual combined INDEX TO IEEE PUBLICATIONS for that year.

Available in June, 1976: Microfilmed 1975 issues of all 38 IEEE periodicals.

Further Details: For complete details and price list, ask for catalog No. F-15 Rev. 1/76. Send your request to: IEEE Service Center, Microfilm Services, 445 Hoes Lane, Piscataway, N.J. 08854.

Supplementary Information

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