

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 (OOP). 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.

AUTOTESTCON '77 (formerly Automatic Support Systems for Advanced Maintainability, ASSC), held Nov 2-4, 1977, in Hyannis, MA; sponsored by IEEE AES, IEEE IM and IEEE Boston Section. Abstracts in *IEEE Transactions on Aerospace and Electronic Systems* Vol. AES-14 No. 1 Jan 1978 \$10.00 JH42184. See Jan 1978 bulletin for Conf. Record. (Not distributed under OOP).
Coverage: Computer-controlled test systems and techniques in the design of hardware and software applicable to manufacturing and maintenance testing.

Biomedical Symposium, San Diego, held Feb 2-4, 1977 in San Diego, CA; sponsored by SDBS Committee. Abstracts and titles in *IEEE Transactions on Biomedical Engineering* Vol. BME-25 No. 1 Jan 1978 \$10.00 JH42465. Proceedings published by Academic/HBJ. (Not distributed under OOP).
Scope: Cardiology and hematology; electrophysiology; instrumentation and innovations; computer applications; mathematical models; biofeedback.

Engineering in Medicine and Biology, 30th Conference on, held Nov 5-9, 1977 in Los Angeles, CA; sponsored by IEEE EMB and AEMB. *Proceedings* 484 p. /LC 61-24788 \$20.00 77CH1262-5 EMB.
Scope: New techniques, devices, equipment, technologies and computer applications in medicine and biomedical engineering.

Inertial Confinement Fusion, Topical Meeting on, held Feb 7-9, 1978 in San Diego, CA; sponsored by IEEE QEC and OSA. *Technical Digest* Approx. 625p. + 68p. Supplement of post-deadline papers. LC 77-94202 \$32.00 78CH1310-2 QEA. Sessions on: Glass, carbon dioxide and advanced lasers; plasma interactions and diagnostics; pellet fabrication; electron and ion beams; systems studies; implosion theory and experiment.

Instrumentation in Aerospace Simulation Facilities (ICIASF), 7th IEEE International Congress on, held Sep 6-8, 1977 in Shrinvenham, England; sponsored by IEEE AES. Abstracts in *IEEE Transactions on Aerospace and Electronic Systems* Vol. AES-13 No. 6 Nov 1977 \$10.00 JH39214. See Oct 1977 bulletin for Conf. Record. (Not distributed under OOP).
Coverage: Abstracts of papers on laser doppler velocimetry, data acquisition and processing, flow diagnostics and ballistics.

Integrated and Guided Wave Optics, Topical Meeting on, held Jan 16-18, 1978 in Salt Lake City, UT; sponsored by IEEE QEA and OSA. *Technical Digest* Approx. 225 p. LC-77-91277 \$20.00 78CH1280-7 QEA.
Coverage: Optical and optoelectronic phenomena and devices which take place in dielectric waveguide configurations.

Laser and Electrooptical Systems, Conference on, held Feb 7-9, 1978 in San Diego, CA; sponsored by IEEE QEA and OSA. *Digest* 120p. LC 77-91286 \$20.00 78CH1281-5 QEA.
Coverage: State-of-the-art review and a projection of future commercially valuable laser technologies.

Laser Engineering and Applications, (CLEA) 6th IEEE/OSA Conference on, held Jun 1-3, 1977 in Washington, DC; sponsored by IEEE Quantum Electronics Council and OSA. Selected papers in *IEEE Journal of Quantum Electronics* Vol. QE-14 No. 2 Feb 1978 \$10.00 JH44172. See Jan 1978 bulletin for Digest of Technical Papers. (Not distributed under OOP).
Coverage: Materials processing; semiconductor lasers and fibers; resonators, filters, and mode locking; dye lasers and photochemistry.

Mechanical Engineering in Radar Symposium (MERS-77), IEEE, held Nov 8-10, 1977 in Arlington, VA; sponsored by IEEE AES, IEEE Washington Section and Naval Research Lab. *Conf. Record* 244p. \$20.00 77CH1250-0 AES. Abstracts in *IEEE Transactions on Aerospace and Electronic Systems* Vol. AES-14 No. 1 Jan 1978 \$10.00 JH42184. (Not distributed under OOP).
Scope: Radar-oriented mechanical engineering design problems and solutions; aerospace equipments employing electronic systems.

Microwave Symposium, 1977 IEEE MTT-S International, held Jun 21-23, 1977 in San Diego, CA; sponsored by IEEE MTT. Selected papers in *IEEE Transactions on Microwave Theory and Techniques* Vol. MTT-25 No. 12 Dec 1977 \$10.00 JH40758. See Oct 1977 bulletin for Digest. (Not distributed under OOP). LC 77-645125
Coverage: Accent on applications useful for practicing microwave engineers.

National Telecommunications Conference (NTC), held Dec 5-7, 1977 in Los Angeles, CA; sponsored by IEEE CSCB, IEEE Los Angeles Council, IEEE COM, et al. *Conf. Record: Tomorrow's Need - Today's Challenge*. 3v. Approx. 450p. each. LC 57-20724 \$46.00 77CH1292-2 CSCB.
Coverage: Technology, social aspects, and future of telecommunications; cost benefits of network automation, network security; the environment (EMI), and office of the future.

Nuclear Power Systems Symposium, See Nuclear Science Symposium

Nuclear Science Symposium, 24th [and] 9th Nuclear Power Systems Symposium, held Oct 19-21, 1977 in San Francisco, CA; jointly sponsored by IEEE NPS, IEEE PE, US ERDA, et al. Proceedings in *IEEE Transactions on Nuclear Science* Vol. NS-25 No. 1 Feb 1978 891p. \$20.00 JH43185. (Not distributed under OOP).
Sessions on: High energy physics—drift chambers, multiwire proportional chambers, calorimeters, optical detectors, electronic and digital subsystems; circuits; reactor instrumentation; nuclear medicine instrumentation; data acquisition systems; solid state detectors; space physics; microprocessor applications in nuclear science; ionization and scintillation detectors and environmental instrumentation.

Power Engineering Society Summer Meeting, IEEE 1977, held Jul 17-22, 1977 in Mexico City; sponsored by IEEE PE. *Conf. Record* Approx. 840p. LC 77-91277 \$45.00 77CH1193-2 PWR. Abstracts in *IEEE Transactions on Power Apparatus*

and Systems Vol. PAS-97 No. 2 Mar/Apr 1978 \$10.00 JH43992. Individual preprints are available, \$3.00 each, write for list of titles. (Not distributed under OOP).
Coverage: Entire field of power apparatus and systems.

Ultrasonics Symposium, 1977 IEEE, held Oct 26-28, 1977 in Phoenix, AZ; Sponsored by IEEE SU. *Proceedings* 1005p. LC 77-7024 \$32.00 77CH1264-1 SU. 73-641406
Sessions on: Nondestructive evaluation (NDE); medical, biological imaging; physical acoustics; bulk wave transducers; acousto-optics; saw-convolvers and memory correlators, devices, filter techniques, materials and processes; propagation characteristics, resonators and oscillators, and transformer signal processes.

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.

Distributed Processing; Computer Vol. 11 No. 1 Jan 1978 \$6.00 JH42648
Coverage: Issue is based on two workshops in distributed processing held at Brown Univ., Aug 17-19, 1976, and Aug 3-5, 1977. Distinctive technological issues are addressed.

Nuclear Electromagnetic Pulse; Special Joint Issue published simultaneously in *IEEE Transactions on Antennas and Propagation* Vol. AP-26 No. 1 Jan 1978 \$10.00 JH42309 and *IEEE Transactions on Electromagnetic Compatibility* Vol. EMC-20 No. 1 Feb 1978 \$10.00 JH43349.
Scope: Source of EMP phenomena; experimental tools of EMP technology; interaction with typical structures encountered in engineering practice.

Pollution and Climate; IEEE Transactions on Geoscience Electronics Vol. GE-16 No. 1 Jan 1978 \$10.00 JH43422.
Coverage: Pollution and anthropogenic changes of climate and ultraviolet radiation; consequences of human activities and man-made pollution on the global environment.

Spectrum Management; IEEE Transactions on Electromagnetic Compatibility Vol. EMC-19 No. 3 Aug 1977 Part II \$10.00 JH40287.

Coverage: National and international spectrum management; spectrum-management systems; economics, spectrum definitions and metrics, occupancy, and efficiency of usage; propagation, EMC predictions and frequency-assignment strategies.

Technology '78—Applications Review; IEEE Spectrum Vol. 15 No. 1 Jan 1978 \$8.00 JH42069.

Coverage: Significant new developments and applications involving computers, communications, devices and components, instrumentation, industrial electronics, transportation, aerospace and the military, electronics in medicine, technology and society.

Standards

IEEE Std 100-1977 IEEE Standard Dictionary of Electrical and Electronics Terms, 2nd. ed. revised and expanded. Frank Jay, Editor in Chief. Dec 1977. 882p. illus. LC 77-92333 \$24.95 SH07088.

Coverage: Defines, using official standards of the IEEE, over 20,000 technical words from every area of electrical and electronics engineering, including hundreds of new terms and revisions of earlier ones. Each entry is an official standard of the IEEE and thus this is the most authoritative single-volume dictionary of electrical and electronics terms. A unique new feature is the listing of 10,000 acronyms, abbreviations, symbols, functional designations, sigla and letter combinations that are current in areas of electrical and electronics science, business and industry, government, and the military.

IEEE Std 312-1977 IEEE Standard Definitions of Terms for Communication Switching; (Revision of IEEE Std 312-1970) Dec 15, 1977. 44p. \$6.00 SH06544.

IEEE Std 436-1977 IEEE Guide for Making Corona (Partial Discharge) Measurements on Electronics Transformers; Dec 15, 1977. 15p. \$5.00 SH06627.

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Backfiles: Date from 1884 through 1975 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-*

Further Details: For complete details and price list, ask for catalog No. F-15 Rev. 4/78. Send your request to: IEEE Service Center, Microfilm Services, 445 Hoes Lane, Piscataway, N.J. 08854.

actions (1951-1975) are entitled to sizable discounts on the sum of the individual *Transactions* prices.

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Available in April 1978: Microfilmed 1977 issues of all 39 IEEE periodicals.

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 1964 and earlier years are available from Walter J. Johnson, Inc., 111 Fifth Avenue, New York, N.Y. 10003.

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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.

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