



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.

Accelerators in Research and Industry, 7th (1982) IEEE Conference on the Application of, held Nov. 8-10, 1982 in Denton, TX; sponsored by IEEE NPS, U.S. DoE, NSF, D.A.R.P.A., et al. Proceedings in *IEEE Transactions on Nuclear Science*, Vol. NS-30, No. 2, April 1983, 1068 pp., \$24.00. **JH62976** (not distributed under OOP)

Coverage: The research uses of accelerators and the industrial applications of accelerators are examined in 246 papers on topics such as: atomic and molecular physics; nuclear physics and astrophysics; controlled thermonuclear reaction (CTR) and related phenomena; trace analysis with ion beams; accelerator technology; detectors and spectrometers; accelerator targets; radiological; safety aspects; activation and bulk analysis; radiation processing; mineral exploration and geophysics; computed tomography; ion implantation; medical applications.

Cement Industry Technical Conference, 24th IEEE, held May 23-27, 1982 in Vancouver, B.C., Canada; sponsored by IEEE IA. *Conference Record*, approx. 300 pp., LC 82-81119 (preassigned), \$56.00. **82CH1771-5** (OOP 1B)

Coverage: The subjects covered in 22 papers include: drives and related products; power generation and distribution; automation; maintenance and safety; general practices.

Computer Graphics Association Conference, 3rd National (NCGA '82), held June 13-17, 1982 in Anaheim, CA; sponsored by NCGA. Selected papers: The Human-Machine Connection in *IEEE Computer Graphics and Applications*, Vol. 3, No. 2, March/April 1983, pp. 8-53, \$12.00. **JH64139** (not distributed under OOP)

Coverage: The human-machine interface is the basic theme of the four articles selected from NCGA '82 with their specific emphases on human factors, ease of use, and interactive environments.

Computer Society International Conference, 26th IEEE (COMPCON Spring 83), held Feb. 28-March 3, 1983 in San Francisco, CA; sponsored by IEEE C. *Digest of Papers: Intellectual Leverage for the Information Society*, 527 pp., LC 83-80070 (preassigned), \$50.00. **83CH1856-4** (OOP 1E)

Coverage: The program for COMPCON Spring 83 emphasizes four main aspects of information technology: networks and databases; VLSI and architecture; applications; software. Some specific topics covered in 44 sessions include: fault tolerance/verification; microarchitecture; music composition and computers; local networks; new chips; Japanese software engineering; Computer Science Network (CSNET); ADA programming language; commercial database machines; digital communications; security and integrity in database systems; electronic publishing.

Computer Software and Applications Conference, IEEE Computer Society's 5th International (COMPSAC '81), held Nov. 16-20, 1981 in Chicago, IL; sponsored by IEEE C. COMPSAC '81 Special Section, pp. 118-154, *IEEE Transactions on Software Engineering*, Vol. SE-9, No. 2, March 1983, \$12.00. **JH63347** (not distributed under OOP). The Proceedings from COMPSAC '81 (81CH1698-0) is listed in the January 1982 issue of the Bulletin.

Coverage: Both the process and products of software engineering are covered in four papers.

Computer Systems Organization, IEEE International Workshop on, held March 29-31, 1983 in New Orleans, LA; sponsored by IEEE C. *[Record]*, 227 pp., LC 83-80556 (preassigned), ISBN 0-8186-0010-1, \$36.00. **83CH1879-6** (OOP 1E)

Coverage: Future trends in hardware, software, operating systems, and programming languages as well as directions for new computer systems are discussed in papers divided into 9 sessions on specific topics such as: classification and modeling; languages; operating systems; software engineering; VLSI; microprogramming; computer architecture.

EUROCON '82: 5th European Conference on Electrotechnics, held June 14-18, 1982 in Copenhagen, Denmark; sponsored by EUREL, IEEE Reg. 8, DIF, I-S, and EF; edited by E. Lauger and J. Møltøft. *Preprints: Reliability in Electrical and Electronic Components and Systems*, Parts I and II, © 1982 North-Holland Publishing Co., 1112 pp., \$88.00. **82CH1774-9** (OOP 1H). NOTE: No single copy sales of this item.

Coverage: The state-of-the-art in reliability engineering is covered in papers divided into 30 sessions on topics such as: computational methods; reliability models; complex systems; failure mode and effect analysis (FMEA) and fault tree analysis (FTA); redundant systems; passive components and interconnections; telecommunication systems; electric power systems; transportation systems; consumer products; software reliability and data processing systems; measurement and instrumentation; testing; reliability statistics and data analysis; human and legal aspects; standards and specifications.

Excimer Lasers, [2nd] Topical Meeting on, held Jan. 10-12, 1983 in Incline Village, NV; sponsored by OSA, Air Force Office of Scientific Research (AFOSR), and IEEE QEA. *Digest of Technical Papers*, approx. 200 pp., \$45.00. **83CH1869-7** (OOP 1D)

Coverage: The topics covered in eight technical sessions are: rare gas halide (RGH) lasers; wavelength conversion, spectroscopy; laser applications.

MICRO-DELCON '83, 6th Delaware Bay Computer Conference, held March 8, 1983 in Newark, DE; sponsored by Computer Society Chapter of the Delaware Bay Section of the IEEE. *Proceedings*, 90 pp., LC 83-80255 (preassigned), \$24.00. **83CH1863-0** (OOP 1E)

Coverage: Specific topics in the areas of computer science and computer engineering covered in 16 papers include: signal processing; performance evaluation; software; networks; mathematical methods with computer applications; computer graphics.

Nuclear Science Symposium, 29th (NSS) and 14th Symposium on Nuclear Power Systems (SNPS), held Oct. 20-22, 1982 in Washington, DC; sponsored by IEEE NPS, U.S. DoE, NBS, and NASA. Proceedings in *IEEE Transactions on Nuclear Science*, Vol. NS-30, No. 1, Feb. 1983, 860 pp., \$24.00. **JH62968** (not distributed under OOP)

Coverage: The topics covered in 180 papers include: high energy physics instrumentation; data acquisition; very fast transient recording systems; circuits; detectors; space instrumentation; health and safety

applications of nuclear instrumentation; nuclear waste management; nuclear medicine and nuclear magnetic resonance (NMR); positron tomography; nuclear power systems; reactor instrumentation.

Optical Data Storage, Topical Meeting on, held Jan. 17–20, 1983 in Incline Village, NV; sponsored by OSA, AVS, IEEE QEA, and SPIE. *Digest of Technical Papers*, approx. 200 pp., \$45.00. **83CH1870-5** (OOP 1D)

Coverage: The subjects covered in 42 papers include: data storage technology overview; data storage systems; applications; current media developments; media guidelines presentations and discussion; write-once media and mechanisms; components and techniques; magneto-optic media and systems; media stability.

Optical Fiber Communication, 6th Topical Meeting on (OFC '83), held Feb. 28–March 2, 1983 in New Orleans, LA; sponsored by IEEE QEA and OSA. *Digest of Technical Papers*, 105 pp., LC 82-62850 (preassigned), \$50.00. **83CH1850-7** (OOP 1D)

Coverage: Information on recent advances in optical guided wave research and development can be found in the abstracts which are organized into 33 sessions covering topics such as: nonoxide fiber materials; undersea systems; single-mode fibers; passive optical components; detectors and modulators; polarization and chemical studies; sensors; fiber drawing and strength; system technology; fiber cabling and concatenation studies; diodes; telecommunications systems; fabrication; local loop applications; nonlinear optics and radiation effects; military applications.

Phoenix Conference on Computers and Communications, 2nd (P.C.³ '83), held March 14–16, 1983 in Phoenix, AZ; sponsored by IEEE C and IEEE COM. *Conference Proceedings*, 598 pp., LC 83-80254 (preassigned), \$60.00. **83CH1864-8** (OOP 1C and E). NOTE: The full name of this meeting appears in the following places: spine, back cover, Conference Chairman's Message on p. iii. The name on the front cover and title page is: Phoenix Conference.

Coverage: The theme of P.C.³ '83, Control of Complexity, is reflected in the contributions in 32 sessions on topics such as: computer systems architecture; reliability, availability, serviceability (RAS); computer-aided processes; software theory and applications; software development and delivery; integrated circuits; human element.

Power Industry Computer Applications Conference, 13th (PICA '83), held May 17–20, 1983 in Houston, TX; sponsored by IEEE PE and IEEE Houston Section. All papers accepted for presentation at the Power Engineering Society Meetings will be published with their full 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 the papers will appear in forthcoming issues of the *IEEE Power Engineering Review*.

Coverage: Papers presented at PICA '83 deal with practical applications relating experiences in the use of new computer methods or installations to solve power system problems. Some specific topics addressed include: planning and analysis; reliability; resource allocation; simulation; interactive applications; security.

Reliability and Maintainability Symposium, 1983, held Jan. 25–27, 1983 in Orlando, FL; sponsored by IEEE R, ASQC, IES, et al. *Proceedings: Increasing Productivity—The Continuing Challenge*, 526 pp., LC 78-132873, ISSN 0149-144X, \$24.00. **83CH1853-1** (OOP 1F)

Coverage: As the forum for the assurance technologies, topics covered in the program include: productivity; mechanical reliability; fault and event tree analysis; hardware and software reliability; qualification testing; data base management; warranty; robotics; built-in test; design and development; cost-benefit tradeoffs; microelectronics; program planning.

Simulation Symposium, 16th, held March 16–18, 1983 in Tampa, FL; sponsored by ACM, IEEE C, SCS, and IMACS; edited by Linda A. Holbrook. *Record of Proceedings*, 310 pp., LC 71-149514, ISSN 0272-4715, \$36.00. **83CH1865-5** (OOP 1E). Also available through ACM. Order No. 577820.

Coverage: The field of digital computer simulation is covered in 20 papers on specific topics such as: simulation models; military command and control systems; bioengineering applications; PROduction Inventory SIMulator (PRISIM); manufacturing modeling; quality control applications; graphic modeling and simulation system (GMSS); ADA programming language; discrete event simulation.

System Theory, 15th Southeastern Symposium on (SSST '83), held March 28–29, 1983 in Huntsville, AL; sponsored by IEEE C, IEEE Huntsville Section, and University of Alabama in Huntsville. *Proceedings*, 354 pp., LC 74-642491, ISSN 0094-2898, ISBN 0-8186-0014-4, \$45.00. **83CH1866-3** (OOP 1E)

Coverage: Subjects covered in 21 sessions include: speech and image processing; delay systems; systems modeling and simulation; control; networks; design, industrial, and military applications; pattern recognition and image processing; architecture; tracking; power systems reliability; filters; identification and control of manipulators; radar; systems methodology; digital systems.

Time-of-Flight Tomography, [1st] Workshop on, held May 17–19, 1982 in St. Louis, MO; sponsored by IEEE C, NIH, Hamamatsu Corp., Nucletronix and Scanditronix, and Washington University School of Medicine. *Proceedings*, 175 pp., LC 82-82338 (preassigned), \$32.00. **82CH1791-3** (OOP 1E). Also available from IEEE Computer Society, Order No. 448 (see How to Order from IEEE Computer Society).

Coverage: The utilization of photon time-of-flight information in positron emission tomography is examined in this meeting with five technical sessions covering: biomedical motivations; systems under development; event detection; reconstruction algorithms; design considerations for data acquisitions and processing.

Ultrasonics Symposium, 1982, held Oct. 27–29, 1982 in San Diego, CA; sponsored by IEEE SU; edited by B. R. McAvoy. *Proceedings*, 2 vols., 1090 pp., LC 73-641406, ISSN 0090-5607, \$80.00. **82CH1823-4** (OOP 1D). An updated and corrected version of the Table of Contents will be included in the March 1983 issue of the *IEEE Transactions on Sonics and Ultrasonics*, Vol. SU-30, No. 2, \$12.00. **JH63404** (not distributed under OOP)

Coverage: Some of the topics covered in 17 technical sessions include: surface acoustic wave (SAW): filters, convolvers and signal processing, transducers and systems applications, oscillators and sensors, materials, thin films and propagation; acousto-optics and acousto-electrics; bulk acoustics, materials, and magnetostatic waves (MSW); photoacoustic spectroscopy; acoustic microscopy; medical ultrasonics; tissue characterization; hyperthermia; arrays and transducers; non-destructive elevation (NDE): techniques, stress and evaluation, microstructures and scattering, physical acoustics.

U.S. Technology Policy, 1982 IEEE Conference on, held Feb. 24–25, 1982 in Washington, DC; sponsored by IEEE Technical Activities Board and IEEE USAB. *Conference Digest: Charting the National Course*, 100 pp., \$10.00. **UH0150-3** (not distributed under OOP)

Coverage: Four technology policy areas are covered in the papers: energy policy; national resources for innovation; information systems technology policy; public understanding of technology.

What's Working to Enrich Engineering Careers (1981 IEEE Careers Conference), held Oct. 22–23, 1981 in Denver, CO; sponsored by IEEE USAB. *Conf. Record*, 127 pp., \$25.00. **UH0148-7** (not distributed under OOP)

Coverage: Career development planning in engineering is examined in 6 sessions on aspects such as: perspective on engineering careers; past and future patterns; alternative management methods; professionals and their societies; specific companies' career development programs; mid-career crisis.

Special Issues

Analog circuits; IEEE Journal of Solid-State Circuits, Vol. SC-17, No. 6, Dec. 1982. \$18.00. **JH60178**

Coverage: The 28 papers and three correspondence items in this special issue present some of the best work in the field of analog integrated circuit design in the following areas: analog converter circuits; signal conditioning circuits, comparators, and voltage reference generators; telecommunications and telemetry circuits; switched-capacitor filter circuits; amplifiers.

Data security in computer networks; Computer, Vol. 16, No. 2, Feb. 1983. \$12.00. **JH64014**

Coverage: Some of the developments in the area of data security in networks described in four articles are: digital signatures; public key cryptography; protocols for data security; Rivest-Shamir-Adleman (RSA) digital signature.

Digital satellite communications; IEEE Journal on Selected Areas in Communications, Vol. SAC-1, No. 1, Jan. 1983. \$12.00. **JH63750**

Coverage: Developments in the field of digital satellite communications are presented in 24 technical papers classified into three areas: modulation, channel equalization, and linearization; integrated communication systems; digital speech interpolation/time division multiple access (DSI/TDMA), satellite-switched/TDMA (SS/TDMA), and on-board processing.

Free-electron lasers; IEEE Journal of Quantum Electronics, Vol. QE-19, No. 3, March 1983. \$12.00. **JH63651**

Coverage: Some of the experimental and theoretical areas of free-electron lasers (FEL's) covered in 18 papers include: improving single pass radiation efficiency of FEL's; interaction mechanisms; modifications in the original periodic magnetic design to enhance the gain at high and low optical power densities; physics of FEL's.

Integrated circuits for speech; Joint special issue published simultaneously as IEEE Journal of Solid-State Circuits, Vol. SC-18, No. 1, Feb. 1983 (\$12.00. **JH63818**) and *IEEE Transactions on Acoustics, Speech, and Signal Processing*, Vol. ASSP-31, No. 1, Part II, Feb. 1983 (\$12.00. **JH60806**)

Coverage: The importance of speech processing algorithms for the integrated circuit (IC) industry and the impact of modern technology on speech processing techniques are emphasized in twelve papers.

Kalman filtering, Applications of; IEEE Transactions on Automatic Control, Vol. AC-28, No. 3, March 1983. \$12.00. **JH61465**

Coverage: Some of the applications of Kalman filtering discussed in 19 papers include: orbit determination; tracking; navigation; ship motion; remote sensing; geophysical exploration; industrial processes; power systems; demography.

Millimeter-waves; IEEE Transactions on Microwave Theory and Techniques, Vol. MTT-31, No. 2, Feb. 1983. \$12.00. **JH62851**

Coverage: Both the state-of-the-art and new developments in millimeter-waves are represented in 18 full papers and 5 short papers on specific areas such as: surveys; millimeter-wave integrated circuits; diodes and mixers; oscillators and combiners; antennas and control devices; measurements.

Monolithic microwave IC's; Joint special issue published simultaneously as IEEE Transactions on Electron Devices, Vol. ED-30, No. 1, Jan. 1983 (\$12.00. **JH62349**) and *IEEE Transactions on Microwave Theory and Techniques*, Vol. MTT-31, No. 1, Jan. 1983 (\$12.00. **JH62844**)

Coverage: The six full-length papers and two short papers in this special issue are expanded versions of papers presented at the 1st IEEE Microwave and Millimeter-Wave Monolithic Circuits Symposium held June 18, 1982 in Dallas, TX (82CH1784-8; see July 1982 issue of the Bulletin).

Performance evaluation of multiple processor systems; IEEE Transactions on Computers, Vol. C-32, No. 1, Jan. 1983. \$12.00. **JH62042**

Coverage: The performance analysis of multiple processor systems is covered in eight full papers and one correspondence item with the following areas emphasized: measurement and instrumentation; memory/bus organizations; concurrency; cost performance.

VLSI design: problems and tools; Proceedings of the IEEE, Vol. 71, No. 1, Jan. 1983. \$12.00. **JH60954**

Coverage: The special issue is meant to help the reader understand some of the problems associated with VLSI design and provide insights into tools that will influence the future development of VLSI. Some specific subjects covered in 14 papers include: VLSI design automation overview; device modeling; circuits and logic networks; interconnection of components in VLSI chips; automatic synthesis; logic synthesis; design for testability; algorithm design; computer-aided design (CAD); complexity.

Non-Conference Special Sections

Atmospheric EHF window transparencies near 35, 90, 140, and 220 GHz; mini-review, pp. 127-135, *IEEE Transactions on Antennas and Propagation*, Vol. AP-31, No. 1, Jan. 1983. \$12.00. **JH61382**

Coverage: The article reviews the numerous research and measurement programs carried out to make the detrimental effects of adverse

weather on the extremely high frequency (EHF), 30 to 300 GHz, region of the radio spectrum more predictable.

Experimental teleterminals; special section, pp. 309-349, *IEEE Journal on Selected Areas in Communications*, Vol. SAC-1, No. 2, Feb. 1983. \$12.00. **JH63768**

Coverage: The concept of an intelligent telephone, with cathode ray tube (CRT) display, dynamically labeled buttons, and American standard code for information interchange (ASCII) keyboard is presented in eight papers.

Framework for the laboratory testing of Eulerian current measuring devices; special paper, pp. 2-8, *IEEE Journal of Oceanic Engineering*, Vol. OE-8, No. 1, Jan. 1983. \$12.00. **JH63594**

Coverage: The special paper, prepared under the auspices of the Current measurement Technology Committee (CMTC) of the IEEE Council on Oceanic Engineering, conveys some of the philosophy applied to current meter testing in addition to providing a framework of laboratory tests useful in understanding the performance of Eulerian current measurement devices.

Interactive picture information systems; special section, pp. 237-308, *IEEE Journal on Selected Areas in Communications*, Vol. SAC-1, No. 2, Feb. 1983. \$12.00. **JH63768**

Coverage: Controversial issues and future developments in the field of picture information systems (i.e., VIDEOTEX and TELETXT) are discussed in 10 papers and a guest editorial.

Origins of spread-spectrum communications; special section, pp. 82-104, *IEEE Transactions on Communications*, Vol. COM-31, No. 1, Jan. 1983. \$12.00. **JH61846**

Coverage: Some of the little-known historical aspects of electronic warfare and secret communications during World War II are discussed in three papers.

Surface detection; special collection, pp. 122-178, *IEEE Transactions on Pattern Analysis and Machine Intelligence*, Vol. PAMI-5, No. 2, March 1983. \$12.00. **JH63032**

Coverage: Four full papers and one correspondence item cover the description of surfaces and include a review paper on range finding techniques along with papers on the use of multiple views and the use of models.

IEEE Standards

ANSI C12.1-1982 (Revision of ANSI C12-1965). *American National Standard Code for Electricity Metering*; Feb. 18, 1983. 7th edition, 207 pp., © 1982 IEEE, ISBN 0-471-89356-0, \$17.95. **SH08623**

ANSI C12.7-1982. *American National Standard Requirements for Watt-hour Meter Sockets*; Nov. 5, 1982. 27 pp., \$6.50. **SH08599**

ANSI C12.9-1982. *American National Standard for Test Switches for Transformer-Rated Meters*; Nov. 5, 1982. 11 pp., \$5.00. **SH08581**

ANSI C12.14-1982. *American National Standard for Magnetic Tape Pulse Recorders for Electricity Meters*; Nov. 30, 1982. 16 pp., \$5.00. **SH08573**

ANSI/IEEE 770X3.97-1983. *American National Standard: IEEE Standard Pascal Computer Programming Language*; Jan. 7, 1983. 128 pp., © 1983 IEEE, ISBN 0-471-88944-X, LC 82-84259, \$17.95. **SH08912**

ANSI/IEEE C57.12.14 (Issued Dec. 1982 for trial use). *Draft American National Standard: IEEE Trial-Use Standard for Dielectric Test Requirements for Power Transformers for Operation at System Voltages from 115 kV Through 230 kV*; Dec. 7, 1982. 14 pp., \$6.00. **SH08870**. NOTE: Distribution of this draft standard for comment shall not continue beyond 12 months from the date of publication.

ANSI/IEEE Std 300-1982 (Revision of ANSI/IEEE Std 300-1969). *American National Standard: IEEE Standard Test Procedures for Semiconductor Changed-particle Detectors*; Nov. 10, 1982. 28 pp., \$7.00. **SH08789**

IEEE Std 114-1982 (Revision of ANSI/IEEE Std 114-1969). *IEEE Standard Test Procedure for Single-Phase Induction Motors*; Dec. 7, 1982. 24 pp., \$7.00. **SH08938**

IEEE Std 420-1982 (Revision of IEEE Std 420-1973). *IEEE Standard for the Design and Qualification of Class 1E Control Boards, Panels, and*

Racks Used in Nuclear Power Generating Stations; Dec. 7, 1982. 16 pp., \$5.00. **SH08839**

IEEE Std 475-1983. *IEEE Standard Measurement Procedure for Field-Disturbance Sensors (rf Intrusion Alarms)*; Feb. 18., 1983. 16 pp., \$6.00. **SH08433**

IEEE Std 518-1982 (Revision of ANSI/IEEE Std 518-1977). *IEEE Guide for the Installation of Electrical Equipment to Minimize Electrical Noise Inputs to Controllers from External Sources*; Oct. 1, 1982. 160 pp., © 1982 IEEE, ISBN 0-471-89359-5, LC 82-83305, \$19.95. **SH08813**

IEEE Std 728-1982. *IEEE Recommended Practice for Code and Format Conventions* (For Use with ANSI/IEEE Std 488-1978; IEEE Standard Digital Interface for Programmable Instrumentation); Nov. 19, 1982. 52 pp., \$8.00. **SH08854**

IEEE Std 729-1983. *IEEE Standard Glossary of Software Engineering Terminology*; Feb. 18, 1983. 38 pp., \$7.50. **SH08920**

IEEE Std 829-1983. *IEEE Standard for Software Test Documentation*; Feb. 18, 1983. 48 pp., \$8.00. **SH08672**

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

Tutorials

Analog Data Acquisition Technology; Four part tutorial series in *IEEE Micro*: Part I—Digital-to-Analog Conversion in Vol. 2, No. 2, May 1982, pp. 20-37 (\$12.00, **JH59865**); Part II—Analog-to-Digital Conversion in Vol. 2, No. 3, Aug. 1982, pp. 46-57 (\$12.00, **JH59873**); Part III—Sample-and-holds, Instrumentation Amplifiers, and Analog Multiplexers in Vol. 2, No. 4, Nov. 1982, pp. 20-35 (\$12.00, **JH59881**); Part IV—System Design, Analysis, and Performance in Vol. 3, No. 1, Feb. 1983, pp. 52-61 (\$12.00, **JH64485**) (not distributed under OOP)

Miscellaneous Publications

IEEE 1981-1982 Student Papers. © 1982 by IEEE, 447 pp. **TT0115-6**. Availability: not for sale. Available only on a complimentary copy basis. There is a limited supply, so it is, first come, first served. All requests for copies should be sent to: IEEE Service Center, Student Services, 445 Hoes Lane, Piscataway, NJ 08854.

Coverage: This publication contains 53 student-authored papers judged to be the best in the ten Regional IEEE Student Paper Contests during 1981 and 1982.

IEEE Employment Guide for Engineers and Scientists; compiled by Richard J. Backe for IEEE USAB. © 1982 IEEE, 174 pp., \$10.00. **UH0156-0** (not distributed under OOP)

PAC Guide to Ethics. The IEEE Role in Engineering Ethics; a Publication of the IEEE United States Activities Board for Professional Activities Committees; prepared by John M. Kinn. © 1982 IEEE, [15 pp.], \$3.00. **UH0149-5** (not distributed under OOP)

PAC Guide to Patents. Employed Engineers: Who Owns Their Inventions?; a Publication of the IEEE United States Activities Board for Professional Activities Committees; prepared by Howard L. Rose, Esq. © 1981 IEEE, 9 pp., \$2.75. **UH0147-9** (not distributed under OOP)

PAC Guide to Service Contracts. Your Rights as a Service Contract Employee; a Publication of the IEEE United States Activities Board for Professional Activities Committees; prepared by William G. Herrold. © 1980 IEEE, 13 pp., \$3.00. **UH0146-1** (not distributed under OOP)

Technically—Write II; IEEE Home Study Course designed by Ronald S. Blicq. 2nd edition, 1982. Book and related cassettes. Price: \$175.00 plus \$2.00 handling and delivery (total \$177.00). **EH0196-6** (not distributed under OOP)

1982 Salary Update for IEEE Members (Supplement to IEEE 1981 U. S. Membership Salary and Fringe Benefit Survey; UH0145-3; see April 1981 issue of the Bulletin). © 1982 IEEE, 6 pp., \$10.00. **UH0151-1** (not distributed under OOP)

Corrections

Correction: A new publication announced in the Winter 1983 issue of the Bulletin as the *IEEE Journal of Lightwave Technology* will instead be named the *Journal of Lightwave Technology*. The new journal will be a joint IEEE/OSA publication. The other information in the announcement is correct.

Correction: The February 1983 issue of the *IEEE Transactions on Consumer Electronics* had an incorrect volume number printed on it. Instead of Vol. CE-28, No. 1, it should be Vol. CE-29, No. 1. Vol. CE-29 should be on all 1983 issues.

Correction: The March 1983 issue of the *IEEE Transactions on Information Theory* had an incorrect volume number printed on it. Instead of Vol. IT-30, No. 2, it should be Vol. IT-29, No. 2. Vol. IT-29 should be on all 1983 issues.

Correction: The IEEE product number for the 1982 International Reliability Physics Symposium (see Oct. 1982 issue of the Bulletin) was incorrectly printed as "82CH17227-7." It should be "82CH1727-7" as it appears elsewhere in the volume.

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 1980 and earlier years are available from Walter J. Johnson, Inc., Back Issues Dept., 355 Chestnut St., Norwood, NJ 07648.

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