



## Library Information Update

### CONFERENCE NEWS

**The 1982 International Display Research Conference—IDRC** (previously Biennial Display Research Conference), listed in the Winter 1983 issue of the Bulletin under Conference Publications, had also been listed in the July 1982 Supplement on p. 3 under "Conference News," where its change in name and frequency was announced. Since that announcement, more information on the new arrangements for this series has become available. The 1982 IDRC is actually the *second* conference held since the meeting became an annual event. In 1981, the 1st European Display Research Conference, EURODISPLAY '81, was held Sept. 16-18 in Munich, Germany. The meeting was sponsored by the Society for Information Display (SID) and Nachrichtentechnische Gesellschaft im VDE (NTG). The Proceedings were published by VDE-Verlag GmbH, 1000 Berlin 12, ISBN 3-8007-1239-3 and are available at a cost of \$40.00 per copy plus \$3.00 for postage from the Society for Information Display (SID), 654 North Sepulveda Blvd., Los Angeles, CA 90049, Tele. (213) 472-3550. The order can be prepaid or they will bill you. The next conference in this series is scheduled for October 3-5, 1983 in Kobe, Japan and will be called "Japan Display '83." The conference series will continue to alternate between Europe, the United States, and Japan on an annual basis. The "Foreword" in the conference record from the 1982 International Display Research Conference contains the information on the changes.

### AVAILABLE FROM IEEE

**1983 Publications Catalog: The Institution of Electrical Engineers (IEE) and Peter Peregrinus Ltd. (PPL).** The books and conference publications published by the Institution of Electrical Engineers (UK) and its associated company, Peter Peregrinus Ltd., are listed in this catalog by subject area. The majority of the books are grouped into series. A list of each series is given together with the titles currently available in these series. Authors and titles are also listed alphabetically. In addition, periodical publications are listed and described. To order catalog, write to: IEE/PPL, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.

### HIGHLIGHTED PAPERS

**Atari Video Computer System: Design Case History; IEEE Spectrum**, Vol. 20, No. 3, March 1983, pp. 45-51. *THEME:* The development of the successful Atari Video Computer System (VCS), a programmable home video game system, is surveyed.

**COMPSAC 82 Keynote and Plenary Session Addresses; Computer**, Vol. 16, No. 3, March 1983, pp. 52-77. *THEME:* Four articles adapted from speeches presented at the IEEE Computer Society's 6th International Computer Software and Applications Conference, COMPSAC 82 (Nov. 8-12, 1982 in Chicago, IL) cover the subjects of U.S. DoD software, software development, quality improvement, and the computerized factory. The text of the speeches did *not* appear in the COMPSAC 82 Proceedings (82CH1810-1; see Winter 83 issue of the Bulletin).

**Computers Animate Films and Video; IEEE Spectrum**, Vol. 20, No. 2, Feb. 1983, pp. 44-51. *THEME:* Computer animation is not only used to produce some of the special effects in movies such as Walt Disney's Tron and Paramount's Star Trek II but also to make production of all types of animation (TV commercials; cartoons) faster and cheaper.

**Design of PICTUREPHONE® Meeting Service (PMS) Conference Centers for Video Teleconferencing; IEEE Communications**

*Magazine*, Vol. 21, No. 2, March 1983, pp. 30-36. *THEME:* The customer premises conference rooms and equipment used in AT&T's video teleconferencing service, PICTUREPHONE® Meeting Service (PMS) are described in this paper. The physical design of the videoteleconferencing center along with considerations such as system design, equipment provisioning, and conference room operations are discussed.

**Engineers With a Difference; IEEE Spectrum**, Vol. 20, No. 2, Feb. 1983, pp. 63-66. *THEME:* Some technical universities are offering engineering students specially designed programs to deal with issues that arise from the interaction between technology and society.

**Legal Protection of Computer Graphics Software; IEEE Computer Graphics and Applications**, Vol. 3, No. 1, Jan./Feb. 1983, pp. 11-21. *THEME:* Since it is technologically easy and inexpensive to reproduce software, the legal protection of computer graphics software against piracy has become important. The current state of the law regarding legal protection of computer graphics software is explained in this article.

**Nuclear Magnetic Resonance: Beyond Physical Imaging; IEEE Spectrum**, Vol. 20, No. 2, Feb. 1983, pp. 32-38. *THEME:* Nuclear magnetic resonance (NMR) is a new diagnostic imaging tool that uses magnetic fields and radio waves to create pictures of the body's internal chemistry. The development and use of NMR are discussed along with its advantages over other noninvasive diagnostic methods such as x-rays or computerized axial tomography (CAT).

**Prospects for Nuclear Power; IEEE Spectrum**, Vol. 20, No. 3, March 1983, pp. 58-63. *THEME:* In their quest for popular acceptance, the nuclear power system manufacturers and utilities are improving plant operation and safety procedures and reducing maintenance costs.

**Quest for the Ultimate Artificial Heart; IEEE Spectrum**, Vol. 20, No. 3, March 1983, pp. 39-44. *THEME:* Some of the research leading to a fully functional artificial heart that is totally implantable in the body is reviewed.

**VLSI in Japan: The Big Leap Forward, 1980-1981; Computer**, Vol. 16, No. 3, March 1983, pp. 14-21. *THEME:* The technology and investment decisions that helped Japan gain the lead in worldwide VLSI development are outlined.

**Watching the Brain at Work; IEEE Spectrum**, Vol. 20, No. 3, March 1983, pp. 52-57. *THEME:* Many new computer-aided methods for viewing the brain's anatomy, such as computerized axial tomography (CAT) scans and nuclear magnetic resonance (NMR) technologies, have been developed. One of the few methods of studying the brain's electrical activity, evoked potentials, is the subject of this article.

### FOR YOUR INFORMATION

Since 1966, the IEEE has been a major participant in the **International Quantum Electronics Conference (IQEC)** series. The Digests of Technical Papers from the meetings, while not published or copyrighted by the IEEE since 1974, have always been available through the IEEE in its Open Order Plan (OOP) or for single copy sales. The publication from the 12th (1982) IQEC (June 22-25, 1982 in Munich, Federal Republic of Germany) is not a Digest of Technical Papers, as in the past. Instead, a program and summaries of papers from the 12th IQEC was published in the Springer-Verlag journal: *Applied Physics B. Photophysics and Laser Chemistry*, Vol. 28, Nos. 2 and 3, June and July 1982. The IEEE is hardbinding the two issues of the journal and making it available for OOP distribution *only*; no



single copy sales. Single copies of *Applied Physics* are available at \$25.00 per issue from: Springer-Verlag, 44 Hartz Way, Secaucus, NJ 07094. Orders must be prepaid.

**The Preprint Part I and Part II (82CH1774-9) from EUROCON '82: 5th European Conference on Electrotechnics** (June 14-18, 1982 in Copenhagen, Denmark) announced in this issue of the Bulletin are available under the Open Order Plan (OOP) and not for single copy sales. With the publication of the Proceedings from EUROCON '82, the Preprint volumes are no longer available from IEEE or from North-Holland Publishing Co., the publisher and copyright holder of all the EUROCON '82 publications. Only the Proceedings are available at a list price of \$95.00. Send all orders and inquiries to: Elsevier Science Publishing Co., Inc. North-Holland Publishing Co. Division, 52 Vanderbilt Avenue, New York, NY 10017; Telephone (212) 867-9040. When contacting North-Holland about EUROCON '82 include the names or the editors of the Preprint volumes and the Proceedings: E. Lauger and J. Møltøft. Also include the theme of EUROCON '82: Reliability in Electrical and Electronic Components and Systems.

**On January 1, 1983, the Broadcast, Cable, and Consumer Electronics Society (BCCE) of the IEEE** was dissolved and two new IEEE societies were created to encompass two of the technical areas formerly included in BCCE. The new societies are the Consumer Electronics Society and the Broadcast Technology Society. A third area, Cable Television, dissolved early when the *IEEE Transactions on Cable Television* ceased publication with the October 1980 issue, Vol. CATV-5, No. 4.

**There have been some questions about the relationship of the annual Conference on Electrical Insulation and Dielectric Phenomena—CEIDP** (CEIDP 1982 was announced in the Winter 1983 issue of the Bulletin) to a conference with the same name that was sponsored for many years by the National Research Council and that published its Annual Report through the National Academy of Sciences. The CEIDP conference series sponsored by the Electrical Insulation Society (EIS) of the IEEE is a continuation of the same series begun by the National Research Council and the National Academy of Sciences. On January 1, 1981, the IEEE EIS became the new home of CEIDP.

**Effective January 1, 1983, the IEEE Council on Oceanic Engineering** became the IEEE Oceanic Engineering Society.

**An earlier meeting on the same subject as the Topical Meeting on Optical Data Storage** (see this issue of the Bulletin) was held March 19-21, 1973 in Aspen, CO. It was called the "Topical Meeting on Optical Storage of Digital Data" and was sponsored by OSA, IEEE Quantum Electronics Council (now IEEE Quantum Electronics and Applications Society), and the International Commission for Optics. It published a Digest of Technical Papers that was copyrighted in 1973 by OSA but was available through the IEEE with product number 73CH0718-7. It is now out-of-print.

## CONFERENCE HISTORIES

**The Product Liability Prevention Conference (PLP) series**, cosponsored by IEEE Reliability Society and other societies (ASQC, ASME, etc.), made its last appearance in 1980. It was not held in 1981 nor in 1982 and there are no plans for a 1983 meeting. The history of the series appears below. PLP was held annually from 1970 through 1980. The name of the series and its publication did not vary, with the exception of one year (1977). The following information is applicable to all meetings in the series, except for 1977, which is listed in full below. UNIFORM INFORMATION = Name of Conference: Product Liability Prevention Conference. Proceedings PLP-year, © year by ASQC for PLP-year Conference. Sponsors: IEEE R, ASQC, ASME, ASTM, ASEM, ASSE, et al.

1st: Aug. 26-28, 1970 in Newark, NJ. PLP-70.

2nd: Aug. 25-27, 1971 in Newark, NJ. PLP-71.

3rd: Aug. 23-25, 1972 in Newark, NJ. PLP-72.

4th: Aug. 22-24, 1973 in Newark, NJ. PLP-73, IEEE Catalog No. 73CH0814-4.

5th: Aug. 21-23, 1974 in Newark, NJ. PLP-74, IEEE Catalog No. 74CH0911-8.

6th: Aug. 19-22, 1975 in Newark, NJ. PLP-75, IEEE Catalog No. 75CH0986-0.

7th: Aug. 23-25, 1976 in Newark, NJ. PLP-76, IEEE Catalog No. 76CH1108-0.

8th: Aug. 22-24, 1977 in Hasbrouck Heights, NJ. Product Liability Prevention Conference. Proceedings PLP-77E, © 1977 by ASQC for PLP-77E Conference, IEEE Catalog No. 77CH1249-2.

March 16-18, 1977 in Palo Alto, CA. 1st West Coast Product Liability Prevention Seminar. Proceedings PLP-77W, © 1977 ASQC for PLP-77W.

9th: Aug. 21-23, 1978 in Philadelphia, PA. PLP-78, IEEE Catalog No. 78CH1370-6.

10th: Oct. 22-24, 1979 in New York, NY. PLP-79, IEEE Catalog No. 79CH1512-3.

11th: Sept. 22-24, 1980 in Washington, DC. PLP-80, IEEE Catalog No. 80CH1582-6.

The Proceedings from PLP-78, PLP-79, and PLP-80 are still available in limited quantities from: Consultant Services Institute, Inc. (CSI); 23 Rumson Road; Livingston, NJ 07039. Write to them for price and ordering information.

## SERIALS CATALOG CARDS

### International Conference on Plasma Science.

IEEE conference record-abstracts / International Conference on Plasma Science; sponsored by the IEEE Nuclear and Plasma Sciences Society.

1st (1974)-2d (1975).

N.Y., N.Y.: Institute of Electrical and Electronics Engineers, c1975.

2 v.; 29 cm.

Annual.

Continued by: IEEE International Conference on Plasma Science. IEEE conference record-abstracts, ISSN 0730-9244, 1976.

Key title: IEEE conference record-abstracts, ISSN 0730-9244.

I. Plasma engineering—Congresses. I. IEEE Nuclear and Plasma Sciences Society. II. Title. III. Title: Conference record-abstracts

TA2005.156a 621.044'05 81-644300  
Library of Congress AACR 2

DLC

### IEEE International Conference on Plasma Science.

IEEE conference record-abstracts / IEEE International Conference on Plasma Science; sponsored by the IEEE Nuclear and Plasma Sciences Society.

1976-

N.Y., N.Y.: Institute of Electrical and Electronics Engineers, c1976-

v.; 28 cm.

Annual.

Continues: International Conference on Plasma Science. IEEE conference record-abstracts, ISSN 0730-9244.

Key title: IEEE conference record-abstracts, ISSN 0730-9244.

I. Plasma engineering—Periodicals. I. IEEE Nuclear and Plasma Sciences Society. II. Title.

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Library of Congress AACR 2

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### International Congress on Instrumentation in Aerospace Simulation Facilities.

Proceedings of the ... International Congress on Instrumentation in Aerospace Simulation Facilities.

1st-

[S.l.] : INTERCON, 1964-

v.; ill.; 29 cm.

Biennial.

Ceased with 2nd issue in 1966.

Title from cover.

English and French.

1964- sponsored by IEEE/PTGAS Committee on Instrumentation in Aerospace Simulation Facilities.

Continued in 1969 by: International Congress on Instrumentation in Aerospace Simulation Facilities. ICIASF ... record.

Key title: Proceedings of the International Congress on Instrumentation in Aerospace Simulation Facilities, ISSN 0730-1790.

I. IEEE/PTGAS Committee on Instrumentation in Aerospace Simulation Facilities. II. Title.

PAR 81-644338  
Library of Congress AACR 2

DLC InLP IU MoU WU

### International Congress on Instrumentation in Aerospace Simulation Facilities.

ICIASF ... record / International Congress on Instrumentation in Aerospace Simulation Facilities.

'69-

New York, N.Y.: IEEE transactions on aerospace and electronic systems, c1969-

v.; ill.; 28 cm.

Biennial.

Title from cover.

Issued 1969-1971 by the IEEE Aerospace and Electronic Systems Group; 1973-1977 by the IEEE Aerospace and Electronic Systems Society; 1979- by the Institute of Electrical and Electronics Engineers.

Continues: International Congress on Instrumentation in Aerospace Simulation Facilities. Proceedings, ISSN 0730-1790.

Key title: ICIASF record, ISSN 0730-2010.

I. IEEE Aerospace and Electronic Systems Group. II. IEEE Aerospace and Electronic Systems Society. III. Institute of Electrical and Electronics Engineers. IV. IEEE Transactions on aerospace and electronic systems. V. Title: I.C.I.A.S.F. ... record

PAR 81-644323  
Library of Congress AACR 2

AzTeS CaOCC CoFS CoU CSi DLC InLP IU MdU  
MiEM NdD NN NNC NNE OCI PSt TxAU ViU