



Library Information Update

FOR YOUR INFORMATION

The Second International Conference on Live-Line Maintenance ESMO-80 (80CH1612-1), held September 23-25, 1980, was listed in the January 1981 issue of the Bulletin. The first meeting in this series was held in Montreal, Canada on October 5-7, 1977. A record was published, but it was mainly distributed to conference attendees and was not sold though IEEE, even though it was assigned an IEEE publication number. This volume is: IEEE/PES ESMO-77; Conference Papers of the First International Conference on Live Line Maintenance; Montreal, Quebec, Canada; October 5, 6, 7, 1977; IEEE Catalogue No. 77CH1245-0. The Engineering Societies Library in New York City does own a copy of this first conference. They have a copy service that will, for a fee, copy the volume. If you contact them about this, use the call number to save time: 621.315 In6 1st, 1977. Their address and telephone number are: Engineering Societies Library, United Engineering Center, 2nd Floor, 345 E. 47th St., New York, N.Y. 10017. Telephone no. (212) 644-7611.

The International Conference on Infrared and Millimeter Waves whose 6th meeting is announced in this issue of the Bulletin, held a 5th conference in 1980. This 5th International Conference on Infrared and Millimeter Waves was held October 6-10, 1980 in Wurzburg, Germany (DFR). The conference digest was distributed only at the conference and was not available for sale.

CONFERENCE NEWS

Both the Carnahan Conference on Crime Countermeasures and the International Conference: Security Through Science and Engineering will be replaced in 1982 with a new annual meeting called the Carnahan Conference on Security Technology. Every three years, this new conference will go international and be called the International Carnahan Conference on Security Technology. The first meeting in this new series will be held May 12-14, 1982 at the Carnahan House, University of Kentucky, Lexington, KY. For more information contact: Sue McWain, Conference Coordinator, Office of Continuing Education, College of Engineering, 533 S. Limestone Street, University of Kentucky, Lexington, KY 40506.

Because there was no 1981 Chicago Fall Conference on Consumer Electronics, the February and May 1982 issues of the *IEEE Transactions on Consumer Electronics* which usually consist of conference papers will instead be made up primarily of contributed papers. See the "Editor's Message" on p. iii of the November 1981 issue of *T-CE* (Vol. CE-27, No. 4) for information.

In 1982, the Symposium on Adaptive Processes (SAP), which has always been included with the IEEE Conference on Decision and Control (CDC), will cease to exist as a separate entity and any sessions on adaptive control will be incorporated directly into the CDC program. For an announcement of this, see the "Foreword" in the proceedings from the 20th CDC (81CH1647-7) listed in this issue of the Bulletin.

ISSUES OF INTEREST

Computing in China 1980; Computer, Vol. 14, No. 10, Oct. 1981, pp. 38-47. \$6.00. **JH55988**. *THEME*: Several research institutes in China, including the Institute of Computer Technology of the Chinese Academy of Sciences and the Northwest Telecommunications Engineering Institute, are surveyed to provide an overview of the state of computing in China.

Prometheus or Pandora: The Influence of Automation on Society; Computer, Vol. 14, No. 11, Nov. 1981, pp. 69-74. \$6.00. **JH55996**. *THEME*: The impact of computer technology on man's view of himself may have positive results in showing him how to live in harmony with nature.

Rebirth for Nuclear Fuel; IEEE Spectrum, Vol. 18, No. 11, Nov. 1981, pp. 52-57. \$8.00. **JH53504**. *THEME*: This article examines the reprocessing of nuclear fuel and the questions it raises about nuclear fuel conservation and nuclear proliferation.

Risk Assessment; IEEE Spectrum, Vol. 18, Nos. 11 & 12, Nov. & Dec. 1981, pp. 58-64 (Nov.) and pp. 53-60 (Dec.). \$8.00 each. **JH53504** (Nov.) and **JH53512** (Dec.). *THEME*: The first report probes the questions of what risk is and what we think about it; the second explores choosing and managing technology-induced risk.

Shrinking Products Pose Problems; IEEE Spectrum, Vol. 18, No. 12, Dec. 1981, pp. 38-41. \$8.00. **JH53512**. *THEME*: The challenges of miniaturization in consumer electronics products are discussed.

AVAILABLE FROM IEEE...

All brochures listed are available from the IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854.

IEEE Press Books Fall 1981 Catalog. Sixty-five volumes available from IEEE Press are listed and their contents described. A subject index is included.

IEEE 1982 Periodicals Catalog (Nonmember Prices; Catalog F20 9/81). Brochure describes the technical periodicals available from IEEE and lists nonmember prices. Also briefly described are other products and services provided by IEEE such as the IEEE Open Order Plan (OOP), the Annual Combined Index to IEEE Publications, and the IEEE KEY Abstracts and Science Abstracts.

IEEE 1982 Membership Information and Application (F69-9/81). Brochure describes IEEE's scientific/educational and professional goals listing geographical activities, technical societies, publication descriptions and prices, professional and other membership advantages, Headquarters information, and application information and form.

SERIALS CATALOG CARDS

The next two pages show several newly received cards.

Institute of Electrical and Electronics Engineers.

Index to IEEE periodicals.

[New York]

v. 28 cm.

1. Institute of Electrical and Electronics Engineers—Bibliography. I. Title.

Z5832.I 54 016.6213'05 72-624336

Library of Congress

72 (2)

IEEE Power Processing and Electronics Specialists Conference. Record - IEEE Power Processing and Electronics Specialists Conference ... (Card 2)

1. Power electronics—Congresses. I. Institute of Electrical and Electronics Engineers. II. Institute of Electrical and Electronics Engineers. Aerospace and Electronic Systems Group.

TL1100P.68 621.31'3 80-646676

Library of Congress

(8104)

Institute of Electrical and Electronics Engineers.

Index to IEEE publications. 1973-

[New York, Institute of Electrical and Electronics Engineers.

v. 28 cm. annual.

Continues: Institute of Electrical and Electronics Engineers. Index to IEEE periodicals.

Issues for 1973- published in two vols.
ISSN 0090-1308

1. Electric engineering—Bibliography—Periodicals. 2. Electric engineering—Indexes—Periodicals. 3. Electronics—Bibliography—Periodicals. 4. Electronics—Indexes—Periodicals. 5. Institute of Electrical and Electronics Engineers—Bibliography. I. Title.

Z5832.I 54 621.3'01'6 75-646004

Library of Congress

75

IEEE Power Electronics Specialists Conference.

PESC record. 1973-

[New York, N.Y., Institute of Electrical and Electronics Engineers]

v. ill. 28 cm.

Annual.

Includes bibliographical references and index.

Vols. for 1973, 1975- sponsored by the Aerospace and Electronic Systems Society; 1974 by the Institute of Electrical and Electronics Engineers.

Continues: IEEE Power Processing and Electronics Specialists Conference. Record - IEEE Power Processing and Electronics Specialists Conference,

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80-646675
MARC-S

Power Conditioning Specialists Conference.

Record. 1970-71.

[New York, Institute of Electrical and Electronic Engineers]

v. illus. 28 cm.

Issued by the IEEE Group on Aerospace and Electronic Systems.

Continued by the publication with the same title issued by the conference under its later name: IEEE Power Processing and Electronics Specialists Conference.

Key title: Record - Power Conditioning Specialists Conference, ISSN 0079-4414.

1. Space vehicles—Auxiliary power supply—Congresses. I. IEEE Group on Aerospace and Electronic Systems. II. Key title.

TL1100.P68 629.47'44 72-177944

Library of Congress

73(r73)rev

IEEE Power Electronics Specialists Conference. PESC record

... (Card 2)

ISSN 0090-2381.

Key title: PESC record, ISSN 0275-9306.

1. Power electronics—Congresses. I. IEEE Aerospace and Electronic Systems Society. II. Institute of Electrical and Electronics Engineers. III. Title. IV. Key title.

TL1100.P68 621.31'3 80-646675

Library of Congress

(8104)

IEEE Power Processing and Electronics Specialists Conference.

Record - IEEE Power Processing and Electronics Specialists Conference. 1972.

[New York, N. Y., Institute of Electrical and Electronic Engineers]

203 p. ill. 28 cm.

Vols. for 1972- issued by the IEEE Group on Aerospace and Electronic Systems.

Continued by: IEEE Power Electronics Specialists Conference. PESC record, ISSN 0275-9306, 1973.

Key title: Record - IEEE Power Processing and Electronics Specialists Conference, ISSN 0090-2381.

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(8104)

80-646676
MARC-S

Symposium on Engineering Problems of Fusion Research.

Proceedings of the Symposium on Engineering Problems of Fusion Research.

New York, N.Y., Institute of Electrical and Electronics Engineers [etc.]

v. ill. 29 cm.

Biennial.

Vols. for issued by IEEE Nuclear and Plasma Sciences Society.

Vols. for sponsored by Princeton University School of Engineering and Applied Science, and others; 1975- General Atomic Company, and others; 1977- Fusion Energy Division, Oak Ridge National Laboratory, and others; 1979- Magnetic Fusion Energy Program, Lawrence Livermore Laboratory, University of California, Institute of Electrical and Electronics Engineers Nuclear Plasma Sciences Society, and U.S. Dept. of Energy. Office of Fusion Energy.

(Continued on next card)

80-647479
MARC-S

Symposium on Engineering Problems of Fusion Research. Proceedings of the Symposium on Engineering Problems of Fusion Research ... (Card 2)

rence Livermore Laboratory, University of California, Institute of Electrical and Electronics Engineers Nuclear Plasma Sciences Society, and U.S. Dept. of Energy, Office of Fusion Energy.

Key title: Proceedings of the Symposium on Engineering Problems of Fusion Research, ISSN 0145-5958.

1. Fusion reactors—Congresses. 2. Controlled fusion—Congresses. I. IEEE Nuclear and Plasma Sciences Society. II. Princeton University. School of Engineering and Applied Science. III. Title.

TK9204.S87a 621.48'4'05 80-647479

Library of Congress

MARC-S

Symposium on Switching and Automata Theory.

IEEE conference record of 1966-1971, seventh-twelfth annual Symposium on Switching and Automata Theory; papers presented. New York, Available from Order Dept., IEEE [1966-71]

6 v. illus. 28 cm.

"Sponsored by the Switching and Automata Theory Committee of the IEEE Computer Group, and the University of California."

L.C. set incomplete: v. 6 wanting.

Includes bibliographical references.

1. Switching theory—Congresses. 2. Machine theory—Congresses. I. Institute of Electrical and Electronics Engineers. Computer Group. Switching and Automata Theory Committee. II. California. University. III. Title.

QA268.5.S9 1966 621.381'537 72-181681

Library of Congress

72(r79)rev

Symposium on Switching and Automata Theory.

Annual Symposium on Switching & Automata Theory (papers). -15th; 19 -74.

New York [etc.] IEEE Computer Society, Publications Office.

v. ill. 28 cm.

Annual.

Vols. for 19 -73 sponsored by IEEE Computer Society, Switching and Automata Theory Committee, and various universities; 1974 by the IEEE Computer Society Technical Committee on Mathematical Foundations of Computing, ACM Special Interest Group for Automata and Computability Theory and the University of New Orleans.

(Continued on next card)

80-646635
MARC-S

Symposium on Switching and Automata Theory. Annual Symposium on Switching & Automata Theory ... (Card 2)

Continues: Symposium on Switching and Automata Theory. IEEE conference record of annual Symposium on Switching and Automata Theory (papers).

Continued by: Annual Symposium on Foundations of Computer Science, ISSN 0272-5428.

Key title: Annual Symposium on Switching & Automata Theory, ISSN 0272-4847.

1. Switching theory—Congresses. 2. Machine theory—Congresses. I. IEEE Computer Society. Switching and Automata Theory Committee. II. IEEE Computer Society. Technical Committee on Mathematical Foundations of Computing. III. ACM Special Interest Group for Automata and Computability Theory. IV. University of New Orleans. V. Title.

QA268.5.S9a 621.3815'37 80-646635

Library of Congress

(8102)

Symposium on Foundations of Computer Science.

Annual Symposium on Foundations of Computer Science (papers). 16th- 1975-

[New York, Institute of Electrical and Electronics Engineers]

v. ill. 28 cm.

Annual.

Vols. for 1975- sponsored by IEEE Computer Society, Technical Committee on Mathematical Foundations of Computing and the ACM Special Interest Group for Automata and Computability Theory, and various universities.

(Continued on next card)

80-646634
MARC-S

Symposium on Foundations of Computer Science. Annual Symposium on Foundations of Computer Science ... (Card 2)

Continues: Annual Symposium on Switching & Automata Theory, ISSN 0272-4847.

Key title: Annual Symposium on Foundations of Computer Science, ISSN 0272-5428.

1. Switching theory—Congresses. 2. Machine theory—Congresses. 3. Electronic data processing—Congresses. I. IEEE Computer Society. Technical Committee on Mathematical Foundations of Computing. II. ACM Special Interest Group for Automata and Computability Theory. III. California. University. Dept. of Electrical Engineering and Computer Sciences. IV. Title.

QA268.5.S9a 519.4 80-646634

Library of Congress

Workshop on Microprogramming.

Micro proceedings.

[New York] ACM Special Interest Group on Microprogramming.

v. 28 cm.

Annual.

Continued by: Microprogramming Workshop. Proceedings - Microprogramming Workshop, ISSN 0194-1895.

Key title: Micro proceedings, ISSN 0361-2163.

1. Microprogramming—Periodicals. I. ACM Special Interest Group on Microprogramming. II. Title.

QA76.6.W69a 001.6'42'05 76-640960

Library of Congress

76(r8003)

Microprogramming Workshop.

Proceedings - Microprogramming Workshop. 11th- 1978-

New York, Institute of Electrical and Electronics Engineers.

v. ill. 28 cm. annual.

Continues: Micro proceedings, ISSN 0361-2163.

Vols. for 1978- sponsored by ACM Sigmicro and Technical Committee on Microprogramming of IEEE Computer Society.

Key title: Proceedings - Annual Microprogramming Workshop, ISSN 0194-1895.

1. Microprogramming—Periodicals. I. Institute of Electrical and Electronics Engineers. II. ACM Special Interest Group on Microprogramming. III. IEEE Computer Society. Technical Committee on Microprogramming. IV. Key title.

QA76.6.W69a 001.6'42'05 79-643852

Library of Congress

79

LIBRARY OF CONGRESS CARD NUMBERS

LCN Assigned: The Library of Congress has assigned LCN 80-8193 to the 1980 14th Pulse Power Modulator Symposium (80CH1573-5). Its conference record was announced in the January 1981 issue of the Bulletin.

LCN Assigned: The 3rd IEEE International Symposium on Electrical Insulation (80CH1496-9), announced in the July 1980 issue of the Bulletin, has been assigned LCN 80-123392.

CONFERENCE HISTORIES

The 7th International Conference on Conduction and Breakdown in Dielectric Liquids (81CH1594-1), listed in the October 1981 issue of the Bulletin, began as a series in 1959. It did not produce any printed record until 1968. This is a brief synopsis of this conference series before the 1981 meeting:

1st: 1959 in Philadelphia, PA. International Symposium on Liquid Dielectrics held as part of the program of the Electric Insulation Division of The Electrochemical Society at the 115th National Meeting of the Society, May 3-7, 1959. Sponsors: Electrochemical Society, NSF, and ONR. No conference record published. For some information on this meeting see: *Journal of the Electrochemical Society*, Vol. 106, No. 4, April 1959, pp. 99C.

2nd: 1963 in Durham, England. Conference on Electronic Processes in Dielectric Liquids. No formal proceedings produced.

3rd: Sept. 17-19, 1968 in Grenoble, France. Colloques Internationaux du Centre National de la Recherche Scientifique; No. 179; Phénomènes de Conduction Dans Les Liquides Isolants; Grenoble; 17-19 Septembre 1968; © 1970 by Centre National de la Recherche Scientifique, Paris.

4th: July 25-27, 1972 in Dublin, Republic of Ireland. 4th International Conference on Conduction and Breakdown in Dielectric Liquids. Sponsors: Engineering Schools of University College and Trinity College. Papers edited by T. J. Gallagher and published by Typografia Hiberniae & Contributors, ISBN 0 903448 00 9, © 1972 by Typografia Hiberniae & Contributors.

5th: July 28-31, 1975 in Noordwijkerhout, the Netherlands. International Conference on Conduction and Breakdown in Dielectric Liquids. Sponsor: Delft University of Technology. Conduction and Breakdown in Dielectric Liquids, Proceedings of the 5th International Conference; edited by J. M. Goldschvartz, A. K. Niessen, and W. Boone; Delft University Press/1975; ISBN 90 298 0300 2; © Nijgh-Wolters-Noordhoff Universitaire Uitgevers B. V., Rotterdam.

6th: July 24-28, 1978 in Rouen, France. International Conference on Conduction and Breakdown in Dielectric Liquids. Sponsor: The CNRS

(Centre National de la Recherche Scientifique) for Publication. Proceedings, ISBN 2-86 332-001-7, published in 1978 by Editions Frontières, Dreux, France.

The International Conference on Magnet Technology (7th, 1981, JH55103; listed in the October 1981 issue of the Bulletin under Conf. Publications) began as a series in 1965. Following is a brief synopsis of the conference series before the 1981 meeting:

1st: Sept. 8-10, 1965 in Stanford, CA. International Symposium on Magnet Technology. (a) Sponsors: Stanford Linear Accelerator Center, Lawrence Radiation Laboratory, US Atomic Energy Commission. Proceedings still available from NTIS (b). CONF-650922, \$54.50.

2nd: July 1967 in Oxford, England. International Conference on Magnet Technology. Sponsors: Science Research Council, IEE, Institute of Physics and the Physical Society, and the IUPAP. Proceedings, edited by H. Hadley, published and © by the Rutherford Laboratory, Chilton, Didcot, Berks, England in December 1967.

3rd: May 19-22, 1970 in Hamburg, West Germany. International Conference on Magnet Technology. Sponsor: Deutsches Elektronen-Synchrotron DESY, Hamburg. Proceedings edited by Editorial Committee MT3 and published by Deutsches Elektronen-Synchrotron DESY, Notkeskieg 1, D-2 Hamburg 52, West Germany.

4th: Sept. 19-22, 1972 at the Brookhaven National Laboratory in Upton, NY. International Conference on Magnet Technology. Sponsors: Brookhaven National Laboratory, IEEE, IUPAP, and US Atomic Energy Commission. Proceedings edited by Y. Winterbottom and published by the US Atomic Energy Commission. Still available from NTIS (b). Conf-720908, \$53.00.

5th: April 21-25, 1975 in Rome, Italy. International Conference on Magnet Technology. Sponsors: Comitato Nazionale per l'Energia Nucleare (CNEN), Consiglio Nazionale delle Ricerche (CNR), Ente Nazionale per l'Energia Elettrica (ENEL), and Istituto Mobiliare Italiano (IMI). Proceedings edited by N. Sacchetti, M. Spadoni, and S. Stipich and published by Laboratori Nazionali del CNEN, Servizio Documentazione, Frascati, Italy in July 1975.

6th: August 29-Sept. 2, 1977 in Bratislava, Czechoslovakia. International Conference on Magnet Technology. (a) Proceedings edited by editorial committee of MT6 and published by the Alfa Press of Bratislava, Czechoslovakia in 1978.

(a) Volume not available for inspection. Information on these years come from several sources including references and bibliographies from some of the technical papers presented at this conference series and also from *InterDok, the Directory of Published Proceedings*.

(b) NTIS [National Technical Information Service], Sales Dept., Port Royal Rd., Springfield, VA 22161.

IEEE COMPUTER SOCIETY TUTORIAL PRICE CHANGES

The following IEEE Computer Society Tutorials have changed their prices, either upward or downward, since their announcement in the Bulletin. The listing includes the tutorial name, its product number, the new price as of 12/2/81, and the issue of the Bulletin with its announcement.

TUTORIAL	PRODUCT NUMBER	PRICE	BULLETIN ISSUE
Automated Arrhythmia Detection, Introduction to	EH0171-9	\$28.00	Oct. 1981
Computer Graphics	EH0147-9	\$28.00	Jan. 1980
Computer Networks: Text and References for a Tutorial, 2d ed.	EH0162-8	\$20.00	Oct. 1980
Computer Systems for the Processing of Diagnostic Electrocardiograms	EH0170-1	\$25.00	Jan. 1981
Computers and Business: How Managers Are Using Computers to Support Their Decision-Making	EH0177-6	\$25.00	Oct. 1981
Microcomputer Programming and Software Support	EH0140-4	\$12.00	April 1979
Parallel Processing	EH0182-6	\$25.00	Oct. 1981
Software Design Techniques, 3d ed.	EH0161-0	\$20.00	Oct. 1980
Software Methodology	EH0142-0	\$16.00	April 1979