CALENDAR

Conferences in which the Computer Society is a sponsor or participant are indicated by the IEEE Computer Society logo; other conferences of interest to our readers are also included.

AUGUST

SPIE 19th Annual Technical Symposium, August 18-22, San Diego, California. Contact Technical Programs Committee, SPIE National Offices, 338 Tejon Place, PO Box 1146, Palos Verdes Estates, CA 90274.

1975 Sagamore Computer Conference on Parallel Processing, August 19-22, Sagamore, New York. Contact Prof. T. Feng, Dept. of Electrical and Computer Engineering, 111 Link Hall, Syracuse University, Syracuse, NY 13210.

1975 International Computer Symposium, August 20-22, Taipei, Republic of China. For further information contact Howell S. C. Chou, Chairman-Steering Committee, ICS '75, Box 14-2, Taipei, Taiwan 100, Republic of China.


International Symposium on Uniformly Structured Automata and Logic, August 21-23, Tokyo, Japan. Contact Fred N. Brand, 0/41-10, B/101 Fac. 1, Lockheed Missiles & Space Co., PO Box 504, Sunnyvale, CA 94088.

IFAC/75, August 24-30, Boston/Cambridge, Massachusetts. For a copy of the advance program write to IFAC/75 Secretariat, 400 Stanwix Street, Pittsburgh, PA 15222.

Second USA-Japan Computer Conference, August 26-28, Tokyo, Japan. Contact Robert V. Spelleri, Memorex Corp., San Tomas at Central Expressway, Santa Clara, CA 95052.

SEPTEMBER


IFIP 2nd World Conference on Computers in Education, September 1-5, Marseille, France. Contact AFIPS, 210 Summit Ave., Montvale, NJ 07645.

First European Solid State Circuits Conference, September 2-5, Canterbury, England. The first European forum for the announcement and discussion of important advances in the fields of solid state circuits, ESSCIRC will discuss computer-aided design, current developments in digital integrated circuits, integrated circuits for television and other consumer systems, electronics in the motor vehicle environment, CCIDs in non-imaging applications, the impact of LSI technologies in the telecommunications field and a review on random access MOS memories. Contact The Manager, Conference Department, The Institution of Electrical Engineers, Savoy Place, London WC2R OBL; 01-240 1871 (x261) Telex 261176.

14th Lake Arrowhead Workshop, September 3-5, University of California, International Conference Center, Lake Arrowhead, California. Contact Anthony J. Kolk, Jr., Program Chairman, 27011 Eastvale Rd., Palos Verdes Peninsula, CA 90274.


INFO 75, September 8-11, New York, New York. Two major conferences, one on EDP management and one on EDP technology, and twelve other conferences within-a-conference for office information systems, records management, manufacturing companies, transportation industries, retailing organizations, banks and thrift organizations, casualty and life insurance companies, public utilities, and hospitals and health care organizations are featured. For information contact Clapp and Poliak, Inc., 245 Park Avenue, New York, NY 10017.

European Solid State Device Research Conference, September 8-12, Grenoble, France. Contact IEE Conference Department, Savoy Place, London WC2R OBL.

7th IFIP Conference, September 8-14, Nice, France. For further information contact 7th IFIP Conference, Parc Valrose, 06034 NICE CEDEX, France.

Compon 75 Fall, September 9-11, Washington, D.C. Eleventh Annual IEEE Computer Society Conference has a theme of major interest—"How to Make Computers Easier to Use." Contact Compon 75 Fall, PO Box 639, Silver Spring, MD 20901.

Symposium on Sparse Matrix Computations, September 9-11, Argonne, Illinois. For information write James Pool, Applied Mathematics Division, Argonne National Laboratory, Argonne, IL 60439.

Hybrid Microelectronics Conference, September 9-11, Loughborough, England. Contact the Conference Department, Institution of Electronic and Radio Engineers, 9 Bedford Square, London WC1B 3RG.

First National Conference on Software Engineering, September 11-12, Washington, D.C. Immediately follows Compon 75 Fall at Washington’s Mayflower Hotel. Contact Software Engineering, PO Box 639, Silver Spring, MD 20901.

International Conference on Environmental Sensing and Assessment, September 14-19, Las Vegas, Nevada. Contact IEEE-TAB, 345 E. 47th St., New York, NY 10017, or NERC/EPA, PO Box 15027, Las Vegas, NV 89114.

Workshop on Data Bases for Interactive Design, September 15-17, Ontario, Canada. Contact Prof. James Linders, Department of Applied Analysis and Computer Science, University of Waterloo, Waterloo, Ontario N2L3G1.

Wecon 75, September 16-19, San Francisco, California. Contact Alan Mitchell, Hewlett-Packard Co., Data Systems Division, 1110 Wolf Road, Cupertino, CA 95054.

1975 MUMPS Users’ Group Meeting, September 17-19, Washington, D.C. Contact Dr. Joan Zimmerman, MUMPS Users’ Group, Biomedical Computer Laboratory, 700 S. Euclid Ave., St. Louis, MO 63110.

Micro-8, the Eighth Annual Workshop on Microprogramming, September 22-23, Chicago, Illinois. Contact Wing Huen, Micro-8 Registration Chairman, Department of Computer Science, Illinois Institute of Technology, Chicago, IL 60616; (312) 225-9600 x1219.

Ocean 75, September 22-25, San Diego, California. Sponsored jointly by the Marine Technology Society and the IEEE Oceanography Coordinating
Committee, the conference features over 30 sessions on all aspects of marine technology including one on computing, two on instrumentation, two on remote sensing, and one on information systems. The complete advance program is available from Ocean 75, PO Box 6016, San Diego, CA 92106.

Oceanographic Conference, September 23-25, Bangor, Wales. Contact the Conference Department, Institution of Electronic and Radio Engineers, 9 Bedford Square, London, WC1B 3RG.


Communications and Networks: Interactive Systems and CAD, September 23-25, Uxbridge, England. For information on these conferences, held concurrently, contact ONLINE, Brunel University, Uxbridge, Middlesex, England.

Tele-Communications Association 1975 Conference, September 23-26, San Diego, California. With the theme “Telecommunications—Beacon to Bits,” the conference will feature workshops on basic and advanced data communications, transmission security, and applications of radio and closed-circuit TV in today’s business environment along with panel discussions on experience with special and international carriers, intelligent terminals, and trends and regulations. For registration information, contact by September 9, TCA 1975 Conference, 424 South Pima Avenue, West Covina, CA 91790; (213) 332-6611.

Application of Optical Instrumentation in Medicine, IV, September 25-27, Atlanta, Georgia. Contact the Technical Programs Committee, SPIE National Offices, PO Box 1146, Palos Verdes Estates, CA 90274.


OCTOBER

Computers in Cardiology, October 2-4, Rotterdam, The Netherlands. Since attendance will be limited to 300 participants, it is advisable to pre-register as soon as possible. For registration packet, contact either of the conference secretaries: Cees Zeelenberg, Thoraxcentrum, Erasmus University Rotterdam, PO Box 1738, Rotterdam/The Netherlands; or Kenneth M. Kempner, Bldg. 12A, Rm. 2019, National Institutes of Health, Bethesda, MD 20014.

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August 1975

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IEEE TRANSACTIONS ON SOFTWARE ENGINEERING

Editor: Prof. Raymond T. Yeh
Dept. of Computer Science, Physics Bldg. 3.28
University of Texas, Austin, TX 78712

September 1975

Design Methodology

Software Reliability
“A Theory of Software Reliability and Its Application,” J. D. Musa

Analysis of Programs and Algorithms
“Property Extraction in Well-Founded Property Sets,” B. Wegbreit

“Program Graphs, an Algebra, and their Implication on Programming,” M. R. Paige

“Random Insertion into a Priority Queue Structure,” T. Porter and I. Simon

Software Performance Evaluation
“A Computer Network Monitoring System,” D. Morgan

Program Verification
“Introducing Programming into the Pure LISP Theorem Prover,” J. Moore

“Strong Verification of Programs,” S. Basu and R. T. Yeh

IEEE TRANSACTIONS ON COMPUTERS

Editor: Dr. Richard Merwin
U.S. Army Safeguard System Office
1300 Wilson Blvd.
Arlington, VA 22209

August 1975

“Multiplication Using Logarithms Implemented with Read-Only Memory,” T. A. Brubaker and J. C. Becker

“A Universal Four-State Cellular Computer,” F. Nourai and R. S. Kashef

“Multiple-Output Optimization with Mosaics of Boolean Functions,” R. C. De Vries and A. Svoboda


“Multiple Fault Detection in Arrays of Combinational Cells,” B. A. Prasad and F. G. Gray

“The Measurement of Curvature in a Quantized Environment,” J. R. Bennett and J. S. MacDonald


September 1975

“A Piecewise Linear Approximation of log2x with Equal Maximum Errors in All Intervals,” J. B. Kiolseth and J. K. Petrou

“Design Verification at the Register Transfer Language Level,” H. Hoehne and R. Piloty

Reliability Analysis of Systems with Concurrent Error Detection,” C. V. Ramamoorthy and Y.-W. Han

“An Experimental System for Computer Controlled Mechanical Assembly,” P. M. Will and D. D. Grossman


“Analysis of Memory Interference in Multiprocessors,” D. P. Bhandarker

“A Branch and Bound Clustering Algorithm,” W. L. G. Koontz, P. M. Narendra, and K. Fukunaga

“Picture Reconstruction from Projections,” R. L. Kashyap and M. C. Mittal

“Generation of Prime Implicants from Subfunctions and a Unifying Approach to the Covering Problem,” B. Reusch

1975-1976, Special Issues

Parallel Processing, Early 1976
Computer Arithmetic, Mid 1976
Automated Theorem Proving, Early 1976
Fault-Tolerant Computing, Mid 1976

COMPUTER

Technical Editor: Dr. Jack Shemer
Xerox Research, Advanced Development Lab
Mail Station C3-60, 701 S. Aviation Blvd.
El Segundo, CA 90245

Printer Technology, September 1975
Survey of Microprocessors, October 1975
Potpourri Issue, November 1975

Computer Science Curricula, December 1975
Microprocessor Architecture and Applications, January 1976

For subscription information on TRANSACTIONS, Reader Service Number 820
CALENDAR
Continued from page 5

1975 IEEE International Symposium on Electromagnetic Compatibility, October 7-9, San Antonio, Texas. Contact Gus Van Steenberg, Southwest Research Institute, PO Drawer 28510, San Antonio, TX 78284.

4th Data Communications Symposium, October 7-9, Quebec, Canada. Contact Dr. F.E. Glave, Bell Northern Research, PO Box 3511, Station C, Ottawa, Ontario, Canada K1Y 4H7.

Workshop on Methods of Verification in Design Automation, October 8-10, East Lansing, Michigan. Contact Dr. Roy L. Russo, IBM T.J. Watson Research Center, PO Box 218, Yorktown Heights, NY 10598.

10th National Data Processing Conference, October 13-14, Jerusalem, Israel. Contact the Program Committee, 10th National Data Processing Conference, c/o Kenes Ltd., PO Box 16271, Tel Aviv, Israel.


Annual Semiconductor Test Symposium, October 14-16, Cherry Hill, New Jersey. Contact Helen Yonan, Philadelphia Section, IEEE, Moore School of Engineering, University of Pennsylvania, Philadelphia, PA 19174; (215) 594-8106.

International Conference on Advanced Signal Processing Technology October 14-16, Lausanne, Switzerland. Cosponsored by the Swiss Federal Institute of Technology and the IEEE Swiss Section. Contact Secretariat of Journees d'electronique, Bellerrive 16, 1007 Lausanne, Switzerland.

2nd International Symposium on CAMAC in Computer Applications, October 14-16, Brussels, Belgium. Contact the Organizing Committee 2nd CAMAC Symposium, Attn: Dr. H. Meyer, c/o Commission of the European Communities, C.R.C._CBN, Steenweg naar Relie, B-2440 Geel (Belgium).

13th Annual GIDEP Workshop, October 15-17, Chicago, Illinois. Contact John W. Reed, Raytheon Company, Department 7362, 350 Lowell Street, Andover, MA 01810; (617) 475-5000 X2260/2259.


1975 ACM Annual Conference, October 20-22, Minneapolis, Minnesota. Contact J. Ben Rosen, ACM '75 Technical Program Chairman, 114 Main Engineering Building, University of Minnesota, Minneapolis, MN 55455.


American Society for Information Science 38th Annual Conference, October 26-30, Boston, Massachusetts. Contact ASIS 1975 Technical Program Committee, PO Box 224, Needham, MA 02194.

Iomec Users Association 10th Annual Conference, October 29-31, San Francisco, California. For further information contact Victor Herrick, Executive Director, Iomec Inc., 3300 Scott Blvd., Santa Clara, CA 95050; (408) 246-2950 x254.

NOVEMBER

Ninth Annual Asilomar Conference on Circuits, Systems, and Computers, November 3-5, Pacific Grove, California. The conference will have special sessions on large-scale networks and systems, digital signal processing, topological applications, design automation, and socioeconomic systems. Contact Dr. Michael P. Ekstrom, L-156, Lawrence Livermore Laboratory, PO Box 808, Livermore, CA 94550.


Fourth Texas Conference on Computing Systems, November 17-18, Austin, Texas. Contact S.K. Basu, Computer Science Department, University of Texas at Austin, Austin, TX 78712.

Symposium on Computer Arithmetic, November 19-20, Dallas, Texas. Contact Prof. T.R.N. Rao, Department of Electrical Engineering, University of Maryland, College Park, MD 20742.

5th Symposium on Operating Systems Principles, November 19-21, Austin, Texas. Contact Thomas Bredt, Digital Systems Lab, Stanford University, Stanford, CA 94305.


DECEMBER

1975 IEEE International Electron Devices Meeting, December 1-3, Washington, D.C. Emphasis on new and significant aspects of research, development, design, and manufacture of electron devices. For information contact C. Neil Bergland, 1975 IEDM Technical Program Chairman, Bell-Northern Research Ltd., POB 3511, Station C, Ottawa, Canada K1 Y 4H7.

SIAM-ACM SIGNUM 1975 Fall Meeting, December 3-5, San Francisco, California. For more information on this meeting of the Society for Industrial and Applied Mathematics and ACM's Special Interest Group on Numerical Mathematics, contact C. William Gear, Computer Science Dept., University of Illinois, Urbana, IL 61801.

Software for Partial Differential Equations, December 8-9, Moffett Field, California. The meeting is jointly sponsored by ACM SIGNUM and Ames Research Center. For attendance reservations contact Mamoru Inouye, 233-1, NASA- Ames Resarch Center, Moffett Field, CA 94035; (415) 965-5126.

1975 CECC/CEDPA Trade Show and Conference, December 11-12, Los Angeles, California. For further information or booth reservation, contact Ellen Landers, Show Manager, 1975 CECC/CEDPA Trade Show, 17123 Chatsworth Street #10, Granada Hills, CA 91344.

JANUARY

Third Annual Symposium on Computer Architecture, January 19-21, 1976, Clearwater, Florida. Sponsored jointly by the IEEE Computer Society and the Association for Computing Machinery, the meeting will emphasize architectural interactions between hardware/software; microcomputer systems; I/O, distributed function, and special purpose architectures; multiprocessors; computer networks; high-level language machines; measurement and performance evaluation; description, analysis, synthesis, and simulation tools; and computer education. For further information contact Dr. Oscar Garcia, College of Engineering, University of South Florida, Tampa, FL 33620; (813) 974-2581.

Third ACM SIGACT-SIGPLAN Symposium on Principles of Programming Languages, January 19-21, 1976, Atlanta, Georgia. This meeting will focus on significant developments and theoretical studies applied to programming languages.