MARCH 1977

1 Tenth Annual Simulation Symposium, March 16-18, Tampa, Florida. For further information write Ira Kay, P.O. Box 22573, Tampa, FL 33622; (813) 839-5201.

First Regional Personal Computing Show, March 19-20, Los Angeles, California. Contact Personnel Computing Magazine, 401 Louisiana S.W., Albuquerque, NM 87106; (505) 266-1173.


Medical Data Processing Symposium, March 22-25, Toulouse, France. Contact IRISA Symposium Secretariat, External Relations Department, Domaine de Voluceau, Roccquencourt, B.P. 105, 78150 Le Chesnay, France.


AlIE EDP Third Annual Conference, March 23-25, New York, New York. Contact Dept. PR, AlIE Seminars, P.O. Box 3727, Santa Monica, CA 90403; (213) 450-0500.

1977 Computer Users Conference, March 25, Commerce, Texas. Contact Donna Hutcheson, East Texas State University, Department of Computer Science, Commerce, TX 75428; (214) 468-2954.

Interface '77, March 28-30, Georgia World Congress Center, Atlanta, Georgia. Contact Sheldon G. Adelson or the Interface office, 180 Speen St., Framingham, MA 01701; (600) 225-4820.


APRIL 1977

Developments in Semiconductor Microcircuitry II, April 3-7, San Jose, California. Contact SPIE, Box 1146, Palos Verdes Estates, CA 90274.

Third Annual Mass Storage Workshop, April 5-6, Palo Alto, California. Contact Erik Sabu, MASSTOR Systems Corporation, 1333 Lawrence Expressway, Santa Clara, CA 95051.

Computer Designers’ Forum, April 5-7, Los Angeles Convention Center. Contact Edward Bride, 797 Washington St., Newton, MA 02160; (617) 965-5800.

Carnahan Conference on Crime Countermeasures, April 6-8, Lexington, Kentucky. Contact John S. Jackson, Dept. of Electrical Engineering, University of Kentucky, Lexington, KY 40506.


Microcomputer—77, April 6-8, Lincoln Plaza Forum, Oklahoma City, Oklahoma. Contact Dr. S. C. Lee, School of Electrical Engineering, University of Oklahoma, Norman, OK 73019.

Symposium on High Speed Computation and Algorithm Organization, April 13-15, University of Illinois at Urbana-Champaign. Contact Professor Duncan Lawrie, Department of Computer Science, University of Illinois, Urbana, IL 61801; (217) 333-3373.

10th Annual Interface of Computer Science and Statistics Symposium, April 13-15, Gaithersburg, Maryland. Contact David Hogben, 4338 Administration Building, NBS, Washington, D.C. 20234; (301) 921-2315.


First West Coast Computer Faire, April 15-17, San Francisco, California. Contact Box 1579, Palo Alto, CA 94302; (415) 851-7664.

Americas Univac Users Association Spring Conference, April 17-21, Orlando, Florida. Contact Jack Pugh, University of Dayton, Dayton, OH.

Law Enforcement/Data Processing Management, April 18-19, Washington, D.C. Contact William D. Ellington, public affairs officer, International Assoc. of Chiefs of Police, 11 Firstfield Road, Gaithersburg, MD 20760; (301) 948-0922.

SCS Conference on Transportation, April 18-20 (date change), Ann Arbor, Michigan. Contact James Bernard, Dept. of ME, Michigan State Univ., East Lansing, MI 48823; (517) 355-5131.

International Purdue Workshop on Industrial Computer Systems, American Regional Meeting, April 18-21, West Lafayette, Indiana. Contact Dr. T.J. Williams, 102 Michael Golden, Purdue University, West Lafayette, IN 47907; (317) 494-8425.

Information Display International Symposium, April 19-21, Boston, Massachusetts. Contact the Society for Information Display, 654 N. Sepulveda Blvd., Los Angeles, CA 90049.


Workshop on Microprocessors in Perspective, April 20-22, Pacific Grove, California. Contact W.G. Howard, Motorola Integrated Circuits Center, MS/MR, P.O. Box 20906, Phoenix, AZ 85060.

Picture Data Description and Management, April 21-22, Chicago, Illinois. Contact K.S. Fu, Purdue University, School of EE, Lafayette, IN 47907.

Circuits and Systems International Symposium, April 25-27, Phoenix, Arizona. Contact W.G. Howard, Motorola Integrated Circuits Center, MS/MR, P.O. Box 20906, Phoenix, AZ 85060.

Fourth Annual AlIE Conference, April 25-27, Washington, D.C. Contact Diane Summers, American Institute of Industrial Engineers, P.O. Box 3727, Santa Monica, CA 90403; (213) 450-0500.


Continued on p. 75
Artificial Intelligence: Special issue of the journal devoted to applications of artificial intelligence methods to tasks in medicine, the life sciences, the behavioral sciences, and related areas. Papers concerning completed systems as well as those concerning ongoing research are welcome. Complete manuscripts (three copies) including figures and tables should be received by June 1, 1977. Manuscripts should follow the guidelines of the journal. Publication will be in December 1977. Send contributions to N. S. Sridharan, Dept. of Computer Science, Rutgers University, New Brunswick, NJ 08903; (201) 932-3546.

Third International Conference and Exhibition on Computers in Engineering and Building Design: March 14-16, 1978, Brighton Metropole, Sussex, UK. Potential authors should submit three copies of a short (1500-word) version of their papers to Mabel Stacey, conference secretary, IPC House, 32 High St., Guildford, Surrey, England, GU1 3EW; 0483-71661. Draft papers must be received by July 1, 1977. Potential authors are requested to send a provisional title and a 20-40 word summary in advance of the draft.

BIOSIGMA 78, April 1978, Paris, France. Papers are invited on signals and images supplied by radiological, nuclear, electrical, mechanical, and other techniques under such aspects as pattern recognition, signal and image processing, and data display. Submit four copies of abstracts (two simple lead typed pages, with diagrams and drawings) in both English and French by July 30, 1977, to Secretariat General de BIOSIGMA 78, F.N.I.E., 11, rue Hamelin 75783, Paris Cedex 16, France.

2nd International Symposium on the Operator Theory of Networks and Systems: August 17-19, 1977, Lubbock, Texas. Papers are solicited on any aspect of mathematical network and/or system theory. Submittals should be addressed to Prof. R. Saeks (address above) or Prof. N. Levan, Department of Systems Science, University of California, Los Angeles, CA 90024. Dates and submittal information can be found in above listing.

Editorial schedule for...

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

May 1977

Programming Methodology
"Constructive Methods in Program Verification," Ben Wegbreit
"Extending Concurrent PASCAL to Allow Dynamic Resource Management," A. Silberschatz, R. B. Kiebzurtz, A. Bernstein

Data Base Engineering
"Use of Psychological Experimentation as an Aid to Development of A Query Language," Phyllis Reisner

Software Project Management
"Management of Software Development," Edmund B. Daly

Analysis of Programs and Algorithms
"Compiler Analysis of the Value Ranges for Variables," William Harrison
"A Study of the Physical Structure of Algorithms," Stuart H. Zweber

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

April 1977

Algorithms

Computational Networks
"Testing Random Number Generators by Walsh Transform," C. K. Yuen

Fault Diagnosis
"Sequential Fault Diagnosis in Combinatorial Networks," I. Koren and Z. Kohavi

Image Processing
"A Semicausal Model for Recursive Filtering of Two-Dimensional Images," A. K. Jain

Logic Design
"Tree Realization of Interactive Circuits," S. H. Unger

Pattern Recognition
"Two-Stage Template Matching," G. J. Vanderburg and A. Rosenfeld

Picture Processing

For subscription information on Transactions, circle reader service number 65 on p. 79.

March 1977

CALENDAR
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First Regional Personal Computing Show, April 30-May 1, Philadelphia, Pennsylvania. Contact Personal Computing Magazine, 401 Louisiana S.E., Albuquerque, NM 87108; (505) 266-1173.

MAY 1977


ISA/77 Industry-Oriented Conference and Exhibit, May 2-5, 1977, Anaheim, California. Contact Gail Milby, Instrument Society of America, 400 Stanwix Street, Pittsburgh, PA 15222; (412) 281-3171.


EUROCON 77, European Conference on Electronics, May 3-6, Venice, Italy. Contact the EUROCON 77 Office, c/o AEI, Viale Monza 259, 20126 Milan, Italy.


ACM Third Workshop on Computer Architecture for Non-Numeric Processing, May 17-18, Syracuse, New York. Contact P. Bruce Berra, conference chairman, 441 Link Hall, Syracuse University, Syracuse, NY 13210; (315) 423-2826.

23rd Annual ISA Analysis Instrumentation Symposium, May 17-19, Charleston, West Vir-
ginia. Contact Earl G. Trawick, Union Carbide Corp., Box 8361, S. Charleston, WV 25303; (304) 747-4482.

NMA 26th Annual Conference and Exposition, May 17-20, Dallas, Texas. Address correspondence to Dynamics of Micromagnetics, National Micromagnetics Association, 8728 Colesville Road, Silver Spring, MD 20910.


Joint Workshop on the New CSE Model Curricula, June 6-8, Williamsburg, Virginia. For more information on the Four-Year Computer Science and Engineering Curricula Workshop, contact Dr. David Rine, University of Texas, San Antonio, TX 78285.

Pattern Recognition and Image Processing, June 6-8, Rensselaer Polytechnic Institute, Troy, New York. Conference is sponsored by the Machine Intelligence and Pattern Analysis Committee of the Computer Society. Contact Prof. Herbert Freeman, general chairman, Dept. of Electrical Systems Engineering, Rensselaer Polytechnic Institute, Troy, NY 12181; (518) 270-6311.


Power Industry Computer Applications (PICA), May 24-26, Royal York, Toronto, Ontario, Canada. Contact L.M. Gordon, 24 Wilmington Road, Islington, Ontario, M9A 3R8, Canada.


Symposium on Minicomputers and Large-Scale Computations, May 29-June 2, Joint Conference of the American Chemical Society and the Chemical Institute of Canada, Montreal, Canada. Contact Prof. Peter Lykos, Illinois Institute of Technology, Chicago, IL 60616; (312) 587-3430.

JUNE 1977

Sixteenth Annual Technical Symposium, June 2, Gaithersburg, Maryland. Contact Bryce L. Elkins, Computer Sciences Corp., 400 Army Navy Dr., Arlington, VA 22202.


Computer Designers' Forum, June 7-9, Boston's Northeast Trade Center. Contact Edward Bride, 797 Washington St., Newton, MA 02160; (617) 965-5800.

MIMI '77—Mini- and Microcomputers and Their Applications, June 7-9, Zurich, Switzerland. Contact MIMI '77, P.O. Box 354, 8053, Zurich, Switzerland.


NCC, June 13-16, Dallas, Texas. For information on the 1977 National Computer Conference, contact Dr. Portia Isaacs, University of Texas, P.O. Box 688, Richardson, TX 75080.

First Regional Personal Computing Show, June 18-19, Boston, Massachusetts. Contact Personal Computing Magazine, 401 Louisiana S.E., Albuquerque, NM 87106; (505) 266-1173.

MECO '77, June 20-21, Zurich, Switzerland. Contact MECO '77, P.O. Box 354, 8053 Zurich, Switzerland.

14th Design Automation Conference, June 20-22, New Orleans, Louisiana. Contact Design Automation Conference, P.O. Box 639, Silver Spring, MD 20901.

Machine Processing of Remotely Sensed Data, June 21-23, Purdue University, Indiana. Contact D. B. Morrison, LARS, Purdue University, West Lafayette, IN 47907.


Joint Automatic Control Conference, June 22-24, San Francisco, California. Contact J. S. Metchick, University of California, Irvine, CA 92717.

Simulation '77, June 22-24, Montreux, Switzerland. Contact Simulation '77, P.O. Box 354, 8053 Zurich, Switzerland.

FTCS-7, Seventh Annual International Symposium on Fault-Tolerant Computing, June 28-30, Los Angeles, California. For information on the symposium, sponsored each year by the IEEE Computer Society's Technical Committee on Fault-Tolerant Computing, contact Prof. Arthur D. Friedman, Dept. of Electrical Engineering and Computer Science, USC, Los Angeles, CA 90007.

JULY 1977


Fourth Annual Conference on Computer Graphics and Interactive Techniques, July 20-22, San Jose, California. Contact Stephen Levine, Lawrence Livermore Laboratory, P.O. Box 808, Livermore, CA 94550; (415) 447-1100, X3560.

OCR First Annual Equipment, Supplies, and Services Exposition, July 24-27, Washington, D.C. Contact Optical Character Recognition Users Association, 10 Banta Place, Hackensack, NJ 07601; (201) 343-4935.

Institute of Management Science XXIII International Conference, July 25-27, Athens, Greece. Contact Prof. Z. S. Zannetos, MIT Sloan School, 50 Memorial Dr., Cambridge, MA 02139.

AUGUST 1977

IFIP Congress 77, August 8-12, Toronto, Canada. Contact IFIP Exhibition 77, Canadian Information Processing Society, 212 King St. West, Suite 501, Toronto, Ontario, Canada M5H 1K5.

Fifth Symposium on the Simulation of Computer Systems, August 9-11, NBS, Gaithersburg, Maryland. Contact Paul F. Roth, NBS, Room B250 Technology, Washington, D.C. 20234; (301) 921-3545.

Midwest Symposium on Circuits and Systems, August 15-16, Lubbock, Texas. Contact Midwest Symposium, P.O. Box 4439, Texas Tech University, Lubbock, TX 79409.


2nd International Symposium, on the Operator Theory of Networks and Systems, August 17-19, Lubbock, Texas. Contact 2nd International Symposium, P.O. Box 4439, Texas Tech University, Lubbock, TX 79409.

International Conference on Computer Applications in Developing Countries, August 22-25, Bangkok, Thailand. Contact Dr. Fook Loy Ng, secretary ICCA, Asian Institute of Technology, P.O. Box 2754, Bangkok, Thailand.

1977 International Conference on Parallel Processing, August 23-26, Bellevue, Michigan. Contact Dr. Charles S. Elliott, College of Engineering, Wayne State University, Detroit, MI 48202; (313) 577-3812.


SEPTEMBER 1977

IFAC Control and Management of Integrated Industrial Complexes, September 6-8, Toulouse, France. Contact M.G. Singh, L.A.A.S.-C.N.R.S. 7, avenue du Colonel-Roche, 31400 Toulouse, France.

COMPCON Fall 77, September 6-8, Washington, D.C. Contact COMPCON Fall 77, P.O. Box 639, Silver Spring, MD 20901; (301) 439-7007.

1977 MUMPS Users' Group Meeting, September 7-9, Boston, Massachusetts. Contact Richard Zapolin, The MITRE Corp., P.O. Box 208, Bedford, MA 01730; (617) 271-2534.

Symposium on Data Analysis and Informatics, September 7-9, Rocquencourt, France. Contact IFRA Symposium Secretariat, External Relations Department, Domaine de Voluceau, Rocquencourt, B.P. 5, 78150 Le Chesnay, France.

Wescon, September 19-21 (date change), San Francisco, California. Contact W.G. Weber Jr., Wescon, 999 N. Sepulveda Blvd., El Segundo, CA 90245.


Fifth Data Communications Symposium, September 27-29, Snowbird, Utah. Contact Joe Marchese, IBM Corp., 18100 Frederick Pike, Gaithersburg, Maryland.


OCTOBER 1977

Symposium on Computer Application in Medical Care, October 3-5, 77, Washington, D.C. Contact Abdon O. Wai, Box 16, Medical College of Virginia, Richmond, VA.

Third Euromicro Symposium on Microprocessing and Microprogramming, October 3-6, Amsterdam, The Netherlands. Contact J. D. Nicoud, LCD EPFL, Bellrelve 16, CH-1007, Lausanne, Switzerland.


Third International Conference on Very Large Data Bases, October 6-8, Tokyo, Japan. Contact Professor Stuart Madnick, MIT, Sloan School of Management, 50 Memorial Dr., Cambridge, MA 02139.


DPMA's InfoExpo 77, October 9-12, Washington, D.C. Contact George Nagel, Washington Suburban Sanitary Commission, Hyatts ville, MD.


ACM National Conference, October 16-19, Seattle, Washington. Contact James S. Ketche, P.O. Box 16156, Seattle, WA 98116; (206) 885-6778.

International Conference on Modelling Semi-conductor Devices, October 19-20, Lausanne, Switzerland. Contact the Secretariat des Journées d'électronique de l'EPFL 16, chemin de Bellervue, CH-1007 Lausanne, Switzerland.

Design Automation Workshop, October 19-21, Michigan State University. Contact Harry M. Taxin, Computer-Aided Design Dept., Hughes Aircraft Company, Culver City, CA 90230; (213) 391-0711 Ext. 2273 or 4186.


Computers in Aerospace, October 31-November 2. Contact H. J. Harrington, McDonnell Douglas Corporation, Department E411, Bldg. 1064, St. Louis, MO 63186.

NOVEMBER 1977

Asilomar Conference on Circuits, Systems and Computers, November 6-9, Pacific Grove, California. Contact John W. Woods, Ransselaer Polytechnic Institute, School of Engineering, Troy, NY 12181.

MIDCON, November 8-10, Chicago, Illinois. Contact Electrical and Electronics Exhibitions Inc., 999 N. Sepulveda Blvd., El Segundo, CA 90245; (213) 772-2965.


Sixth Texas Conference on Computing Systems, November 14-15, University of Texas. Contact Prof. James Sneeringer, Dept. of Computer Science, Painter Hall 328, University of Texas, Austin, TX 78712.

DECEMBER 1977

Winter Simulation Conference, December 5-7, Gaithersburg, Maryland. Contact Paul F. Roth, B250 Technology Building, National Bureau of Standards, Washington, D.C. 20234; (301) 921-3545.

Decision and Control, Adaptive Processes, December 7-9, New Orleans, Louisiana. Contact K. S. Fu, Purdue University, School of Electrical Engineering, Lafayette, IN 47907.

1978 CONFERENCES

Eleventh Annual Simulation Symposium, March 15-17, Tampa, Florida. Contact Annual Simulation Symposium, P.O. Box 22621, Tampa, FL 33622.