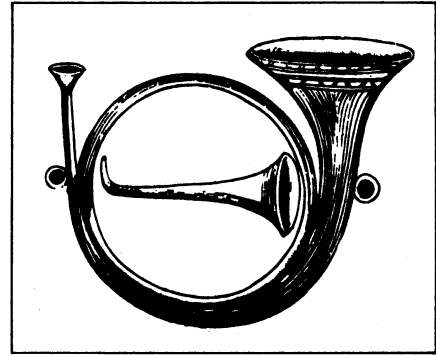


# CALL FOR PAPERS



*Calls for papers are listed according to deadline for submittal. Conferences in which the Computer Society is a sponsor or participant are indicated by the IEEE Computer Society logo; other calls of interest to our readers are also included. Submit information by the first of the month preceding the month of publication to Computer Magazine, 5855 Naples Plaza, Suite 301, Long Beach, CA 90803.*

*Call for papers for Computer: see insert inside front cover.*

**Convention Informatique:** September 18-22, 1978, Paris, France. Submit four copies of 500-word abstract in English or French by **March 15, 1978**, accompanied by submission form that can be obtained from International Trade Shows in France, 1350 Ave. of the Americas, New York, NY 10019; (212) 582-4960.

④ **1978 International Conference on Parallel Processing:** August 22-25, 1978, Bellaire, Michigan. Abstracts and detailed summaries, including references and figures, are required by **March 15, 1978**, for both regular-length and short papers describing recent advances in all aspects of parallel/distributed processing. For regular papers submit four copies of a 100-word abstract and a 1000-word summary or full text. For short papers submit four copies of a 100-word abstract and a 300- to 500-word summary. Send to Prof. G.J. Lipovski, Dept. of Electrical Engineering, University of Texas, Austin, TX 78712; (512) 471-1952.

**FOC '78:** September 6-8, 1978, Chicago, Illinois. Papers or suggestions for sessions devoted to fiber optics and digital and satellite communications are invited. Send 200-word abstract by **March 15, 1978**, to Dr. Paul Polishuk, Information Gatekeepers, Inc., 167 Corey Road, Brookline, MA 02146.

**International User's Conference on Computer Mapping Software and Data Bases:** July 23-28, 1978, Cambridge, Massachusetts. Submit one-page abstracts (maximum 500 words) before **March 15, 1978**, to Allan Schmidt, Conference Chairman, Harvard University, 520 Gund Hall, Cambridge, MA 02138.

**SPIE's 22nd International Symposium:** August 28-31, 1978, San Diego, California. Papers are invited for a variety of seminars, including computer-aided optical design, computers in optical systems, applications of digital image processing, image understanding systems, and real-time signal processing. Submit four copies of a brief professional biography and a one-paragraph abstract (double spaced on 8½ x 11" paper, 200-word maximum) by **March 15, 1978** (brief extensions granted upon request). Send to SPIE Technical Programs Committee, P.O. Box 10, Bellingham, WA 98225; (206) 676-3290.

④ **Fourth Workshop on Computer Architecture for Non-Numeric Processing:** August 1-3, 1978, Blue Mountain Lake, New York. Papers are invited on current or proposed work in all areas of computer architecture for non-numeric processing, such as data communications, information storage and retrieval, data base management, command and con-

trol, artificial intelligence, distributed processing, searching and sorting, and text processing. Submit four copies of papers, approximately 20 pages in length, by **March 31, 1978**, to the program chairman, Lee A. Lollear, Dept. of Computer Science, University of Illinois, Urbana, IL 61820; (217) 333-3162.

**Technical Communication in Non-Textual Form—The Design of Audio and Visual Information:** Fall 1978 special issue of the *IEEE Transactions on Professional Communication*. Papers should provide pragmatic guides for audio/visual communication of technical information. Submit manuscripts—the original and two complete copies, typed double-spaced, including all artwork—by **March 31, 1978**, to the editor, R. J. Joenk, IBM Corp., Armonk, NY 10504.

④ **COMPCON 78 Fall:** September 5-8, Washington, DC. A broad spectrum of papers on the conference theme, "Computer Communications Networks," and exceptional non-theme papers are being sought for the Computer Society's 16th international conference. **Note:** plans are to publish a *proceedings*, not a digest. Submit four copies of *full papers* by **April 1, 1978**; upon notice of acceptance, around May 1, 1978, prepare the formal camera-ready copy. Suggestions for panel topics and participants are also welcome and should be submitted by **April 15, 1978**. To participate in the "Short Notes" session, consisting of five-minute presentations without publication, submit a 250-word summary by **August 1, 1978**. Send to Marshall D. Abrams, National Bureau of Standards, Technology A229, Washington, DC 20234.

④ **12th Annual Simulation Symposium:** March 14-16, 1979, Tampa, Florida. Papers are invited on digital discrete simulation; however, descriptions of other techniques, such as continuous or analog will be considered. \$500 award will be made for best paper. Submit the following by **April 7, 1978**: working title; abstract of no less than 750 words; name, title, affiliation, address and phone number of each author, plus statement that author will personally present paper. Send to W. Vincent Neisius, Simulation Development Department, Defense and Space Systems Group of TRW, Inc., One Space Park, Redondo Beach, CA 90278; (213) 353-1953.

**International Symposium on Operating Systems:** October 2-5, 1978, Paris, France. The symposium organizers, IRIA and Carnegie-Mellon University, have extended the deadline for submission of papers to **April 14, 1978**.

Send five copies of full paper, in English or French, to Dr. Didier Lanciaux, Carnegie-Mellon University, Dept. of Computer Science, Schenley Park, Pittsburgh, PA 15213.

④ **Ninth Technical Symposium on Computer Science Education:** August 14-15, 1978, Pittsburgh, Pennsylvania. The general theme of the ACM SIGCSE meeting, to be held in cooperation with the IEEE Computer Society, will be "Ten years after Curriculum 68," but papers on all aspects of computer science education will be considered. Submit three copies, not exceeding 4000 words, before **April 15, 1978**, to Henry Chuang, Dept. of Computer Science, University of Pittsburgh, Pittsburgh, PA 15260.

④ **Seventh Texas Conference on Computing Systems:** October 31-November 1, 1978, Houston, Texas. The theme of the conference is "Computing Systems for Real-Time Applications." Papers are solicited on subjects such as real-time operating systems; architecture, design, and validation of concurrent programs; distributive computing and data communications in real-time environment; interaction between hardware and software design digital process control; real-time applications of computers in business, medicine, or energy industry. Submit one-page abstracts (with author's address and telephone number) by **April 15, 1978**, and four copies of the paper by **June 1, 1978**, to Prof. J. C. Huang, Department of Computer Science, University of Houston, Houston, TX 77004.

④ **Third Berkeley Workshop on Distributed Data Management and Computer Networks:** August 29-31, 1978, San Francisco, California. Regular-length (under 5000 words) or short papers (under 1500 words) are invited on distributed data base and data management techniques, computer network architecture and protocols, user interface to distributed systems, and data translation and exchange. Send abstracts by **April 15, 1978**, to Dr. Steve Kimbleton, National Bureau of Standards, B-212 Technology Building, Washington, DC 20234.

**Proceedings on Pattern Recognition:** A special issue of the *IEEE Proceedings on Pattern Recognition* will be published in May 1979. Papers in the areas of statistical pattern recognition, syntactic pattern recognition, image processing and understanding, speech understanding, and their applications to biomedicine, remote sensing, data-base systems, and advanced automation are solicited. Submit papers by **May 1, 1978**. Send four copies to

K. S. Fu, School of Electrical Engineering, Purdue University, West Lafayette, IN 47907.

**19th Annual Symposium on Foundations of Computer Science:** October 16-18, 1978, Ann Arbor, Michigan. Papers describing original research in the theoretical aspects of computer science are being sought. Typical, but not exclusive, topics of interest include analysis of algorithms, computational complexity, formal semantics and proof theory, automata and formal language theory, theoretical studies of computer systems, data structures, and data bases. Send seven copies of an extended abstract by **May 12, 1978**, to the program chairman, Prof. Nancy A. Lynch, School of Information and Computer Science, Georgia Institute of Technology, Atlanta, GA 30332.

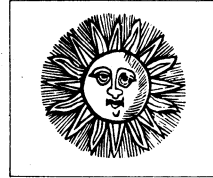
**COMPSAC 78:** November 14-16, Chicago, Illinois. The Second International Conference on Computer Software and Applications invites papers in the following and related areas: software development methodology; software management; data base management systems; data communication and computer networking; transaction and information management systems; computerized decision-making systems; operating systems including distributed operating systems; application-oriented languages; applications in business, communication, education, energy, government, military, process control, transportation, etc.; reliability and maintainability; case studies; software tools; mini/micro software development; social, legal, and regulatory issues; and organizational impact of EDP technology. Papers should range in length between 1000 and 5000 words. Submit five copies (double-spaced) by **June 1, 1978**, to program chairman Prof. C. V. Ramamoorthy, Department of Electrical Engineering & Computer Science, UC Berkeley, Berkeley, CA 94720.

**MICRO-11:** November 19-22, 1978, Asilomar, California. Papers are invited on all aspects of microprogramming, including firmware engineering, hardware for emulation, machine descriptions, microprogrammed LISP machines, and the application of microprogramming to multiprocessors, security, reliability, and I/O. Papers should contain either comprehensive evaluation of research results or specific comparisons to similar research or development efforts. Submit papers (in triplicate) by **June 1, 1978**, to Dr. Alice C. Parker, MICRO-11 Program Chairman, Department of Electrical Engineering, Carnegie-Mellon University, Pittsburgh, PA 15213; (412) 578-2472.

**ACM 78:** December 4-6, 1978, Washington, DC. Five copies of papers and/or session proposals on all aspects of computer science and applications should be mailed by **July 1, 1978**, to Gerald L. Engel, Dept. of Math and Computing Sciences, Old Dominion University, Norfolk, VA 23508; (804) 489-6524. Papers for the federal government program should be sent to Dennis M. Conti, Systems and Software Division, National Bureau of Standards, Washington, DC 20234; (301) 921-3485.

**12th Annual Asilomar Conference on Circuits, Systems, and Computers,** November 6-8, 1978, Pacific Grove, California. Papers are solicited in the areas of circuit theory and design, communication and control systems, and computer-aided design. Special sessions are planned on image processing, digital and analog filtering, topological applications, energy and socioeconomic systems, and microprocessor-based systems. Submit by **July 31, 1978**,

in triplicate, summary of original contribution, headed by title and including name, affiliation, address, and phone number of each author. Forward to the program chairman, Donald E. Kirk, Electrical Engineering Department, Naval Postgraduate School, Monterey, CA 93940.



## CALENDAR

Continued  
from p. 84

**Ninth Annual Pittsburgh Conference on Modeling and Simulation, April 27-28,** Pittsburgh, Pennsylvania. Contact William G. Vogt or Marlin H. Mickle, Modeling and Simulation Conference, 348 Benedum Engineering Hall, University of Pittsburgh, Pittsburgh, PA 15261.

**PERCOMP 78, April 28-30,** Long Beach, California. Contact James H. Lindwedel, PERCOMP 78, 1833 E. 17th St., Suite 108, Santa Ana, CA 92701.

**Cable 78, April 30-May 3,** New Orleans, Louisiana. Contact Robert A. Luff, National Cable Television Association, 918 16th St., N.W., Washington, DC 20006.

## MAY 1978

**10th Annual ACM Symposium on Theory of Computing, May 1-3,** San Diego, California. Contact Alfred V. Aho, Bell Laboratories, Murray Hill, NJ 07974.

**NEWCOM '78, May 2-4,** Las Vegas, Nevada. Contact Electronic Industry Show Corp., 222 South Riverside Plaza, Chicago, IL 60606; (312) 648-1140.

**Offshore Technology Conference, May 8-11,** Houston, Texas. Contact Offshore Technology Conference Headquarters, 6200 North Central Expressway, Dallas, TX 75206; (214) 361-6604.

**Eurocomp 78, May 9-12,** London, England. Contact Eurocomp 78, *Online*, Cleveland Road, Uxbridge UB8 2DD, England.

**Third International Conference on Software Engineering, May 10-12,** Atlanta, Georgia. Contact Software Engineering, P.O. Box 639, Silver Spring, MD 20901.

**Fourth Illinois Conference on Medical Information Systems, May 11-13,** Urbana-Champaign, Illinois. Contact Regional Health Resource Center, 1408 W. University Ave., Urbana, IL 61801; (217) 367-0076.

**16th Annual Convention of the Association for Educational Data Systems, May 15-19,** Atlanta, Georgia. Contact James E. Eisele, Office of Computing Activities, University of Georgia, Athens, GA 30602.

**1978 IEEE International Symposium on Circuits and Systems, May 17-19,** New York City. Contact general chairman, H. E. Meadows, Dept. of EECS, Columbia University, New York, NY 10027; (212) 280-3112.

**Carnahan Conference on Crime Countermeasures, May 17-19,** Lexington, Kentucky. Contact John S. Jackson, Department of Electrical Engineering, University of Kentucky, Lexington, KY 40506.

**Spring '78 Computer Packaging Workshop, May 17-19,** Skytop, Pennsylvania. Contact Harry Hayman, P.O. Box 639, Silver Spring, MD 20901.

**Trends and Applications 1978: Distributed Processing, May 18,** Gaithersburg, Maryland. Contact Helen Wood, National Bureau of Standards, Bldg. 225 B212, Washington, DC 20234.

**Electro78, May 23-25,** Boston, Massachusetts. Contact chairman Brian Dale, Electro78, 445 Hoes Lane, Piscataway, NJ 08845.

**CIPS Session '78 Canadian Computer Conference, May 23-25,** Edmonton, Canada. Contact C. Christie, Athabasca University, 14515 122 Ave., Edmonton, Alberta, T5L 2W4 Canada.

**1978 U.S. DEC-10/20 Spring Symposium, May 23-26,** Cambridge, Massachusetts. Contact Maryann Oskirko, U.S. DECUS Executive Secretary, Digital Equipment Corp., 129 Parker St.—PK3-1/E55, Maynard, MA 01754.

**Eighth International Symposium on Multiple-Valued Logic, May 24-26,** Chicago, Illinois. Contact A. S. Wojcik, Department of Computer Science, Illinois Institute of Technology, Chicago, IL 60616.

**Pattern Recognition and Image Processing Conference, May 31-June 2,** Chicago, Illinois. For information on the conference, formerly scheduled for June 5-7, contact Prof. K.S. Fu, School of Electrical Engineering, Purdue University, West Lafayette, IN 47907.

## JUNE 1978

**Simulation, Modeling, and Decision in Energy Systems, June 1-2,** Montreal, Canada. Contact A. B. Carver, Atomic Energy of Canada, Chalk River, Ontario, Canada K0J 1J0.

**History of Programming Languages, June 1-3,** Los Angeles, California. Contact Billy G. Claybrook, Department of Computer Science, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061.