CALL FOR PAPERS

Calls are listed according to submittal deadline. Conferences in which the Computer Society is a sponsor or participant are indicated by the IEEE Computer Society logo; others 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.

Computer Magazine is looking for papers and articles that survey important developments across the breadth of the field, describe particular developments from a tutorial point of view, or explore application areas. The following special issues are being organized: Medical Data Bases in Patient Care, Hardware Test Technology, Human Factors in Software Engineering, Backend Storage Networks, Fault-Tolerant Computing, Machine Perception for Industrial Applications, Computers and Education, and Adaptable Architectures. Submit four copies of manuscript, including illustrations and references, to our technical editor, Dr. Portia Isaacson, Electronic Data Systems, 7171 Forest Lane, Dallas, TX 75230; (214) 661-6241.

COMPCON '79 Fall: September 4-7, 1979, Washington, D.C. Papers on the conference theme, "Using Microprocessors," are being sought for the Computer Society's 19th international conference. The conference will present the latest developments in microprocessor architecture, support software, operating systems, and peripheral devices. Send four copies of a 1000-word digest by April 1, 1979, to John M. Williams, System Development Corp., 7323 Westpark Dr., McLean, VA 22102; (703) 7909850, ext. 120.

17th Annual Meeting, Association for Computational Linguistics: August 11-12, 1979, La Jolla, California. Submit five copies of an extended abstract by April 1, 1979, to Dr. Norman Sondheimer, Seger Univac, PO Box 500, MS 203, Blue Bell, PA 19424; (215) 542-5896.

Fourth Berkeley Conference on Distributed Data Bases and Computer Networks: August 28-30, 1979, San Francisco, California. Submit preliminary draft by April 1, 1979, to Michael Stonebraker, EECs Dept., M265 Cory Hall, University of California, Berkeley, CA 94720. Papers will also be considered for inclusion in Networks or IEEE Transactions on Software Engineering.


SIGSMAI '79, Second Annual Symposium on Small Systems: October 1-3, 1979, Dallas, Texas. Please send notice of intent to publish or abstract by April 1, 1979, to Dr. Fred Maryansky, Computer Science Dept., Kansas State University, Manhattan, KS 66506.

Digital Encoding of Graphics: Proceedings of the IEEE, July 1980 special issue. Contributions are requested on encoding of man- or machine-made graphical material in black and white (bi-level), gray-scale, or color. Emphasis will be on tutorial papers and papers covering new methodology, techniques of analysis, realization, and experimentation, and applications of special hardware. Submit a short letter of intent or an outline by April 15, 1979, to Dr. A. N. Netravali, Bell Labs, Rm. 4C-538, Crawford Corner Rd., Holmdel, NJ 07733.

First International Conference on Distributed Computer Systems: October 1-4, 1979, Huntsville, Alabama. Papers are solicited on topics such as decentralized control, executing, and operating systems; logical and physical interconnection and communication, reliability and fault tolerance; system and hardware architecture; distributed data bases; software engineering and programming languages; specification, verification, and validation; design methodology; analysis, modeling, and measurement; and case studies. Submit six copies of a double-spaced manuscript by April 15, 1979, to E. Douglas Jensen, Dept. of Computer Science, Carnegie-Mellon University, Pittsburgh, PA 15213; (412) 578-2565. Each paper must include an abstract and a one-page statement of the nature and significance of its contributions. In addition to papers, proposals for one-day tutorials are solicited. Send proposals by February 1, 1979, to C. V. Ramamoorthy, Dept. of EE and Computer Science, University of California, Berkeley, CA 94720; (415) 642-4751.

MIMI '79 Montreal, Ninth International Symposium and Exhibition, Mini- and Microcomputers: September 26-29, 1979, Montreal, Canada. Submit three copies of a 200-word abstract by April 15, 1979, to MIMI '79 Montreal, PO Box 2481, Anaheim, CA 92804; (714) 774-6144.


Journées d'Electronique 79: October 2-4, 1979, Lausanne, Switzerland. Papers are solicited on the conference theme, "Microprocessors: A Tool for the Future." Submit a two-page abstract by April 30, 1979, to Journées d'Electronique 1979, EPFL, Bellière 16, CH 1007 Lausanne, Switzerland.

SPIE's 3rd International Symposium and Instrument Display: August 27-30, 1979, San Diego, California. Papers are solicited on a variety of seminar topics such as Advances in Display Technology, Optical Pattern Recognition, Active Optical Devices, Recent Advances in TV Sensors and Systems, Physical Properties of Optical Materials, Image Understanding Systems II, Recent and Future Developments in Medical Imaging II, and Applications of Digital Image Processing. Authors' application, four copies of a professional biography, and four copies of an abstract are due April 30, 1979. To obtain an author's application or further information, contact SPIE, PO Box 10, Bellingham, WA 98225; (206) 676-3290.

Eighth Texas Conference on Computing Systems: November 12-13, 1979, Dallas, Texas. Short (15 minute) or longer (30 minute) papers are solicited on computer system subjects such as consumer and industrial applications of microprocessors, software science, real-time computing systems, distributive computing systems, firmware design, very high level programming languages, multi-processor systems, verification and validation, digital process control, and design automation. Send abstract by April 30, 1979, to Dr. T. R. N. Rao, Dept. of Computer Science, Southern Methodist University, Dallas, TX 75275.

Third Rocky Mountain Symposium on Microcomputers: August 19-22, 1979, Pingree Park, Colorado. Papers are solicited on advanced concepts in microprocessor architecture and microprocessor directions in signal processing and control. Submit paper and abstract by May 1, 1979, to R. Chatergy, University of Hawaii, 5616 Halekamani St., Honolulu, HI 96821.

Sixth Data Communications Symposium: November 27-29, 1979, Pacific Grove, California. Deadline date has been extended to May 1, 1979. Send four copies each of a complete paper and a 500-word summary to Dr. Wushou Chou, North Carolina State University, Computer Studies Program, PO Box 5490 Raleigh, NC 27650.

March 1979
20th Annual Symposium on Foundations of Computer Science; October 29-31, 1979, San Juan, Puerto Rico. Papers describing original research in the theoretical aspects of computer science are sought on topics such as algorithms; automata and formal languages; computational complexity; data structures and data bases; formal semantics; mathematics of computation; theory of parallel and asynchronous computation; and computer systems and networks. Send eight copies of a detailed abstract by May 16, 1979, to Prof. S. Rao Kosaraju, Dept. of EE, The Johns Hopkins University, Baltimore, MD 21218.


First Gallium Arsenide Integrated Circuit Symposium (IEEE): September, 1979, Lake Tahoe, California. Submit the original and ten copies of a one-page abstract with pertinent figures by June 18-20 and Newport Beach, CA 92660, USA.

Computer Elements Committee Eighth Annual Summer Workshop, June 24-27, Vail, Colorado. Contact Peter Verhoffsat, Fairchild Semiconductor, 464 Ellis, MS 2-109, Mountain View, CA 94040.

Design Automation Conference, June 25-27, San Diego, California. Contact David W. Hightower, Texas Instruments, Inc., PO Box 225621, MS 907, Dallas, Texas 75265; (214) 238-5667.

First National Conference on Computers in Education, June 25-27, Iowa City, Iowa. Contact David Rine, Dept. of Quantitative and Information Science, Western Illinois University, Macomb, IL 61455; (309) 298-1315.

1979 Machine Processing of Remotely Sensed Data, June 27-29, West Lafayette, Indiana. Contact Prof. LeRoy F. Silva, Purdue University, 1220 Potter Dr., West Lafayette, IN 47906.


July 1979

1979 Summer Computer Simulation Conference, July 16-18, Toronto, Ontario, Canada. Contact Dr. A. J. Schiewe, SCSC 79, c/o The Aerospace Corp., PO Box 95957, Los Angeles, CA 90009.


May 31, 1979, to Dr. D. Howard Phillips, Lockheed Microelectronics Center, Space Systems Div., Dept. 62-23, Bldg. 151, PO Box 504, Sunnyvale, CA 94086.

COMPSC 79: November 5-8, 1979, Chicago, Illinois. The Computer Society's Third International Computer Software and Applications Conference invites papers on topics such as software development methodology; software management; data base management systems; data communication and computer networking; transaction and information management systems; computers in biomedicine; business office automation; industrial automation; design automation, applications in communication, education, energy, government, military, process control, transportation, etc.; application-oriented languages; reliability, maintainability, and security; software testing and tools; minicomputer software; distributed system performance; human engineering of software systems; and legal implications of EDP technology. Send five copies of a 1000- to 5000-word paper by June 1, 1979, to Prof. K. S. Fu, School of EE, Purdue University, West Lafayette, IN 47907.

IFAC/FIPF Conference on Systems Approach and Computer Applications for Development: June 10-12, 1980, Shiraz, Iran. Submit five copies of a 200- to 400-word abstract by June 1, 1979, to Prof. M. Mansour, ETH Zentrum, CH-8092 Zurich, Switzerland.

Biomedical Pattern Analysis: IEEE Transactions on Pattern Analysis and Machine Intelligence, July 1980 special issue. Contributions are solicited on subjects such as computer-aided diagnosis of radiographs, chromosomes, blood cells, Papacnolaou smears, ophthalmoscopic images of retinas, electrocardiograms, electroencephalograms, evoked potentials, neural impulses, echocardiograms, ultrasonic images, and nuclear images; computed tomograms; interactive diagnosis; and artificial intelligence in medicine. Submit papers by July 1, 1979, to Dr. Jack Sklansky, School of Engineering, University of California, Irvine, CA 92717; (714) 833-6726.

August 1979

1979 Pattern Recognition and Image Processing Conference, August 6-8, Chicago, Illinois. Write to PRIP 79, PO Box 639, Silver Spring, MD 20901.

SIGGRAPH '79, August 8-10, Chicago, Illinois. Contact Tom DeFanti, Dept. of Information Engineering, University of Illinois at Chicago Circle, Box 4348, Chicago, IL 60680.

SIGPLAN Symposium on Compiler Construction, August 8-10, Boulder, Colorado. Contact Alan Aiken, J. T. Watson Research Center, PO Box 218, Yorktown Heights, NY 10598; (914) 945-1258.

17th Annual Meeting, Association for Computational Linguistics, August 11-12, La Jolla, California. Contact Dr. Norman Sondheimer, Sperry Univar, PO Box 500, MS 2G3, Blue Bell, PA 19424.


Third Rocky Mountain Symposium on Microcomputers, August 19-22, Pingree Park, Colorado. Contact Carolyn Frye, Office of Conferences and Institutes, Colorado State University, Fort Collins, CO 80523; (303) 491-6222.