



CALL FOR PAPERS

Calls are listed according to submittal deadlines. 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 six weeks before the month of publication—e.g., for the December 1981 issue, send information for receipt by October 15, 1981—to COMPUTER, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

Call for papers for Computer

Computer is looking for articles that cover all aspects of computer science, technology, and applications. *Computer* is aimed at a broad audience, whose interests are not limited to narrow specialties; articles are usually survey or tutorial in nature and cover the state of the art or important emerging developments. Submit six copies of the manuscript, including illustrations, references, and authors' biographies, to the senior editor:

• Dr. Stephen S. Yau
Dept. of EE and Computer Science
Northwestern University
Evanston, IL 60201
Telephone: (312) 493-4221

In addition, a number of special issues are being organized. Submit six copies of relevant articles directly to the guest editor.

- **Applications of Fuzzy Set Theory in Computing.** Submit by October 15, 1981, to Paul P. Wang, EE Dept., Duke University, Durham, NC 27706; (919) 684-3123.
- **Optical Data Disk Technology and the Evolution of Data Center Architecture for Mass Storage Subsystems.** Potential authors should contact Stephen W. Miller by November 15, 1981, at SRI International, 333 Ravenswood—MS 30160, Menlo Park, CA 94025; (415) 859-2852.
- **Application-Oriented Specifications.** Submit by November 15, 1981, to Volkmar H. Haase, Institut für Informationsverarbeitung, Technische Universität Graz, Steyrergasse 17, A-8010 Graz, AUSTRIA; telephone, (0316) 77511-7310.
- **Human/Computer Interaction.** Submit by January 15, 1982, to Ketil Bø, Runit—Computing Center Univ. Trondheim, Sem Sælandsv. 2, N-7034, Trondheim-NTH, NORWAY; telephone, (075) 93 100; Telex, 55 186 NTHHB N RUNIT.
- **Computer Graphics Impacts the Home and Industry.** Submit by February 15, 1982, to Jim Thomas, Battelle Pacific Northwest Laboratories, Battelle Blvd., PO Box 999, Math/1157, Richland, WA 99352; (509) 375-2210.

Ⓢ **International Workshop on Industrial Applications of Machine Vision:** May 3-5, 1982, Raleigh, North Carolina. Send three copies of a long (6000-word) or a short (2000-word) paper by **October 15, 1981**, to John F. Jarvis, Room 4E610, Bell Labs, Holmdel, NJ 07733.

Ⓢ **Micro-Delcon '82—Fifth Annual Conference on Computer Technology:** March 9, 1982, Newark, Delaware. Send a tentative title, abstract, and list of authors by **October 15, 1981**, to John DeGood, Research and Development, Hewlett-Packard, Route 41 and Starr Rd., Avondale, PA 19311.

Ⓢ **ASME Second International Computer Engineering Conference and Show:** August 15-19, 1982, San Diego, California. Submit abstract by **October 31, 1981**, to Irwin Berman, Foster Wheeler Development Corp., 12 Peach Tree Hill Rd., Livingston, NJ 07039.

Ⓢ **FTCS-12, 1982 International Symposium on Fault-Tolerant Computing:** June 22-24, 1982, Santa Monica, California. Send four copies of a 200-word abstract by **November 1, 1981**, and four copies of complete paper (maximum 4000 words) by **December 1, 1981**, to George C. Gilley, The Aerospace Corp., PO Box 92957, Los Angeles, CA 90009; (213) 647-1552.

Ⓢ **Ninth Annual International Symposium on Computer Architecture:** April 26-29, 1982, Austin, Texas. Send four copies of paper (not exceeding 20 double-spaced pages) by **November 1, 1981**, to Miroslaw Malek, Dept. of EE, University of Texas, PO Box 7728, Austin, TX 78712.

Ⓢ **12th International Symposium on Multiple Valued Logic:** May 25-27, 1982, Paris, France. Submit four copies of an original survey, tutorial, or research paper (20-page maximum) and a 50- to 100-word abstract by **November 15, 1981**, to (North American authors only) Prof. Charles B. Silio, Electrical Engineering Dept., University of Maryland, College Park, MD 20742; (Asian authors only), Prof. Okihiko

Ishizuka, Dept. of Electrical Engineering, Miyazaki University, 1-1-1 Kirishima, Miyazaki-Shi, 880 Japan; and (all others) Prof. Sylvain Thelliez, Ensam Cluny, 71250 Cluny, France.

Ⓢ **Distributed Computerized Picture Information Systems for Medical Applications:** January 18-21, 1982, Newport Beach, California. Send author's application, four copies of brief biography, and four copies of a one-paragraph abstract by **November 16, 1981**, to Technical Programs Committee, SPIE National Offices, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

14th ACM Symposium on Theory of Computing: May 5-7, 1982, San Francisco, California. Send 10 copies of a detailed abstract by **November 16, 1981**, to Prof. Harry R. Lewis, Aiken Computation Laboratory, Harvard University, Cambridge, MA 02138.

Ⓢ **Graphics Interface 82:** May 17-21 1982, Toronto, Canada. Send a 500- to 1000-word summary by **November 16, 1981**, to Prof. Alain Fournier, Computer Systems Research Group, University of Toronto, Ontario, Canada M5S 1A1; (416) 987-6983.

Ⓢ **19th Design Automation Conference:** June 14-17, 1982, Las Vegas, Nevada. Send three copies of paper by **November 17, 1981**, to Hillel Ofek, IBM Corp., (B22/951), PO Box 390, Columbia St., Poughkeepsie, NY 12602; (914) 485-7763.

ICC '82-International Conference on Communications (IEEE et al.): June 13-17, 1982, Philadelphia, Pennsylvania. Send abstract and manuscript by **November 20, 1981**, to Dr. Paul Schnitzler, RCA Laboratories, Princeton, NJ 08540; (609) 734-2199.

Ⓢ **Trends and Applications 1982: Advances in Information Technology:** May 27, 1982, Gaithersburg, Maryland. Send three copies of a 1000-word abstract by **December 15, 1981**, to Allen Hankinson, National Bureau of Standards, Admin. Bldg. A209, Washington, DC 20234.

Ⓢ **IEEE Transactions on Computers** is planning a special issue on parallel and distributed processing for December 1982. Papers are solicited on all aspects of parallel and distributed processing, including logic circuits, architectures, interconnections, fault tolerance, languages and compilers, operating systems, data bases, numerical and non-numerical algorithms, performance studies, and relevant VLSI technology. Submit five copies of manuscript by **January 1, 1982**, to Guest Editors Prof. Ming T. Liu or Prof. Jerome Rothstein, Dept. of Computer and Information Science, The Ohio State University, 2036 Neil Ave., Columbus, OH 43210; (614) 422-1837 or 422-7027.

Ⓢ **Sixth International Conference on Software Engineering:** September 13-16, 1982, Tokyo, Japan. Two \$1000 prizes will be awarded for the best papers. Send five copies of each paper (6000-word maximum) by **January 15, 1982**, to Prof. Victor R. Basili, Dept. of Computer Science, University of Maryland, College Park, MD 20742.

13th Annual Pittsburgh Conference on Modeling and Simulation (IEEE et al.): April 22-23, 1982, Pittsburgh, Pennsylvania. Submit two copies of an abstract and summary by **January 31, 1982**, to William G. Vogt, Modeling and Simulation Conference, 348 Benedum Engineering Hall, University of Pittsburgh, Pittsburgh, PA 15261.