

# 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 November 1982 issue, send information for receipt by September 15, 1982—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) 492-3641

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

- **Applications for Array Processors.** Submit by October 15, 1982, to Douglas J. Theis, The Aerospace Corporation, PO Box 92957, Los Angeles, CA 90009; (213) 648-5000.
- **Computer Security Technology.** Submit by November 20, 1982, to Mr. Stanley R. Ames, Jr., The Mitre Corporation, 11515 S. 39th St., Omaha, NE 68123; (402) 292-5889.
- **Digital Picture Archiving and Communication Systems in Medicine.** Submit by December 31, 1982, to Dr. Andre J. Duerinckx, Philips Ultrasound, Inc., 2722 S. Fairview St., Santa Ana, CA 92704; (714) 556-7608.

An authors' information sheet can be obtained from Stephen S. Yau at the above address or from the IEEE Computer Society West Coast Office, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720; (714) 821-8380.

**Performance 83, Ninth International Symposium on Computer Performance Modeling, Measurement, and Evaluation:** May 25-27, 1983, College Park, Maryland. Send intention of submission by **September 20, 1982** and a 5000-word paper by **November 1, 1982**, to Prof. Satish K. Tripathi, Dept. of CS, University of Maryland, College Park, MD 20742.

**Sixth International Conference on Digital Satellite Communications:** September 19-23, 1983, Phoenix, Arizona. Submit abstracts by **September 30, 1982**, to Howard B. Briley, Conference Administrator, ICDS-6, c/o Comsat, 950 L'Enfant Plaza, S.W., Washington, DC 20024; (202) 863-6248.

Ⓢ **The Artist, the Designer, and Computer Graphics:** October 30-31, 1982, Pasadena, California. Submit papers or examples of art or design by **September 30, 1982**, to Nick Pavlovic, 5672 York Blvd., Los Angeles, CA 90042; (213) 256-2313.

Ⓢ **FTCS-13, 13th Annual International Conference on Fault-Tolerant Computing:** June 28-30, 1983, Milano, Italy. Send four copies of an abstract (200-word maximum) by **October 1, 1982** and four copies of the complete paper (4000-word maximum) by **November 5, 1982**. Send to Luca Simoncini, I.E.I.—C.N.R., Via Santa Maria 46, 56100 Pisa, Italy; tele. 39 50 500159.

Ⓢ **1983 SPIE International Technical Conference/Europe:** April 18-22, 1983, Geneva, Switzerland. Abstracts are due **October 1, 1982**. Request author application form from SPIE 1983 Conference/Europe Program Committee, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

**IEE International Conference on Simulators:** September 26-30, 1983, Brighton, United Kingdom. Send a 500- to 800-word synopsis by **October 4, 1982**, to IEE Conference Dept., Savoy Place, London WC2R 0BL, United Kingdom.

**ACM Sigsoft/Sigplan Software Engineering Symposium on High-Level Debugging:** March 20-23, 1983, Pacific Grove, California. Submit two copies of a single-spaced working paper or a four-page position statement by **October 8, 1982**, to Dr. Mark Scott Johnson, Hewlett-Packard, 1501 Page Mill Rd., Bldg. 28B, Palo Alto, CA 94304; (415) 857-8719.

Ⓢ **International Symposium on VLSI Technology, Systems and Applications:** March 30-April 1, 1983, Taipei, Taiwan, Republic of China. Submittal deadline has been extended. Submit 12 copies of a 35-word abstract and a 300- to 500-word summary for a 30-minute presentation by **October 15, 1982**, to Dr. Hwa-

Nien Yu, IBM T. J. Watson Research Center, PO Box 218, Yorktown Hgts., NY 10598; (914) 945-1942.

Ⓢ **Micro-Delcon 83, Sixth Annual Conference on Computer Technology:** March 8, 1983, Newark, Delaware. Send a one-page abstract by **October 15, 1982**, to A. Toni Cohen, 14 Woodsman Dr., Newark, DE 19711; (302) 731-5370.

**Second ACM Sigact-Sigmod Symposium on Principles of Data Base Systems:** March 28-30, 1983, Atlanta, Georgia. Submit 10 copies of a detailed abstract by **October 15, 1982** to Prof. Philip A. Bernstein, Aiken Computation Laboratory, 33 Oxford St., Harvard University, Cambridge, MA 02138.

Ⓢ **10th International Symposium on Computer Architecture:** June 13-16, 1983, Stockholm, Sweden. Submit five copies of a manuscript in English (maximum 20 double-spaced pages) by **October 15, 1982**. Send to appropriate address as determined by region of residence: (America) Prof. Jean Loup Baer, University of Washington, Computer Science Group, Seattle, WA 98105; (Far East) Prof. Mario Tokoro, KEIO University, Dept. of Electrical Engineering, 3-14-1 Hiyoshi, Kohoku-Ku, Yokohama 223, Japan; (Europe and all other regions) Prof. Lars-Erik Thorelli, Royal Institute of Technology, Computer Systems, S-100 44 Stockholm, Sweden.

Ⓢ **Workshop on Software Engineering Technology Transfer:** April 25-27, 1983, Miami Beach, Florida. Submit four copies of a paper by **October 15, 1982**, to Les Balady, IBM Corp., Old Orchard Rd., Armonk, NY 10504.

**ICC 83, 1983 International Conference on Communications (IEEE et al.):** June 19-23, 1983, Boston, Massachusetts. Submit four copies of manuscript and a one-page abstract by (authors outside North America) **October 18, 1982** or (North American authors) **November 1, 1982**. Send to appropriate address as determined by region of residence: (Europe, Africa, and Middle East) Dr. F. Tosco, CSELT, Via G. Reiss Romali, 274, 10148 Torino, Italy, tele. (39) 11 21691, ext. 388; (North America) Dr. L. J. Ricardi, MIT Lincoln Laboratory, PO Box 73, Rm. D-422, Lexington,

ton, MA 02173, tele. (617) 862-5500, ext. 7331; (Central and South America) Dr. J. Valerdi and Dr. J. Pomalaza, CICESE, PO Box 222, San Ysidro, CA 92073, tele. (714) 398-3803, ext. 201 or 203; (Asia and Oceania) Dr. N. Kuroyanagi, NTT, Musashino Electr. Comm. Lab, 9-11, 3 Chome, Midoricho, Musashino-Shi, Tokyo 180, Japan; tele. (0422) 59-2539.

Ⓢ **IEEE Transactions on Pattern Analysis and Machine Intelligence** will publish a special issue on industrial applications of machine vision. Papers should describe work in applications, such as automatic visual inspection and robot control. Major topics of interest include illumination, optics and imaging, special purpose hardware, modeling, and algorithms. Papers describing novel vision systems currently applied to industrial tasks are especially welcome. Send four copies of paper by **October 31, 1982**, to John F. Jarvis, Room 4E610, Bell Laboratories, Holmdel, NJ 07733.

**IFIP 83, Ninth World Computer Congress:** September 19-23, 1983, Paris, France. Papers are due **November 1, 1982**. Request author instruction pamphlet and list of program area chairmen from Program Committee, IFIP Congress 83, AFCET, 156, Blvd Péreire, F-75017 Paris, France.

**International Computer Color Graphics Conference:** March 10-12, 1983, Tallahassee, Florida. Send two copies of a manuscript and an abstract by **November 1, 1982**, to Dr. Jack Taylor, ICCGC Program Committee, Center for Music Research, Florida State University, Tallahassee, FL 32306.

Ⓢ **13th International Symposium on Multiple-Valued Logic:** May 23-25, 1983, Kyoto, Japan. Send four copies of an original survey, tutorial, or research paper (20-page maximum) and a 50- to 100-word abstract by **November 1, 1982**, to (North and South American authors) K. Wayne Current, Dept. of Electrical Engineering, University of California, Davis, CA 95616; (European authors) Stanley L. Hurst, School of Electrical Engineering, University of Bath, Bath, England BA2 7AY; and (all others) Tatsuo Higuchi, Dept. of Electronic Engineering, Tohoku University, Sendai 980, Japan.

Ⓢ **Optical Mass Data Storage:** June 6-10, 1983, Arlington, Virginia. Abstract is due **November 8, 1982**. For more information and author's application, contact SPIE, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

**Satellite and Computer Communications Conference:** April 27-29, 1983, Versailles, France. Submit paper by **November 15, 1982**, to Jacques-Louis Lions, INRIA, Domaine de Voluceau, Rocquencourt, B.P. 105-78153, Le Chesnay, Cedex, France; tele. (3) 954 9020.

**Graphics Interface 83:** May 9-13, 1983, Edmonton, Alberta, Canada. Send a 500- to 1000-word summary by **November 16, 1982**, to Dr. Wayne A. Davis, Graphics Interface 83, Computing Science Dept., University of Alberta, Edmonton, Alberta, Canada T6G 2H1.

Ⓢ **ACM IEEE 20th Design Automation Conference:** June 26-29, 1983, Miami Beach, Florida. Submit five copies of paper by **November 19, 1982**, to Hillel Ofek, IBM Corp. (B22/951), PO Box 390, Columbia St., Poughkeepsie, NY 12602; (914) 485-7763.

**15th ACM Symposium on Theory of Computing:** April 25-27, 1983, Boston, Massachusetts. Send 10 copies of a 2500-word abstract by **November**

**19, 1982**, to David S. Johnson, Room 2C-355, Bell Laboratories, Murray Hill, NJ 07974.

**Sigplan 83, Symposium on Programming Language Issues in Software Systems:** June 27-29, 1983, San Francisco, California. Send four copies of an 8-12 page summary by **November 29, 1982**, to Prof. Lawrence A. Rowe, Computer Science, Div., EECS, University of California, Berkeley, Berkeley, CA 94720.

**The Journal of Digital Systems** will publish a special issue on channel routing in November 1983. Submit papers by **December 1, 1982**, to Dr. Ernest S. Kuh, TE01, EE and Computer Science Dept., University of California, Berkeley, Berkeley, CA 94720.

**Third Scandinavian Conference on Image Analysis:** July 12-14, 1983, Copenhagen, Denmark. Send three copies of a three-page abstract by **December 1, 1982**, to Prof. Peter Johansen, Institute of Computer Science, University of Copenhagen, Sigurdsgade 41, DK-2200, Copenhagen, Denmark.

Ⓢ **PACS II, Picture Archiving and Communication Systems for Medical Applications:** May 22-25, 1983, Kansas City, Missouri. Abstracts are due **December 6, 1982**. Request author application form from SPIE/PACS II Program Committee, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

**Eusipco 83, Second European Signal Processing Conference:** September 12-16, 1983, Erlangen, W. Germany. Submit four copies of an extended four-page summary by **December 15, 1982**, and final manuscript by **April 30, 1983**, to the conference secretary, Mrs. U. Arnold, Lehrstuhl fuer Nachrichtentechnik, Universitaet Erlangen-Nuernberg, Cauerstrasse 7, D-8520 Erlangen, W. Germany; phone, (0 91 31) 85 71 00; telex, TFERL 6 29 755.

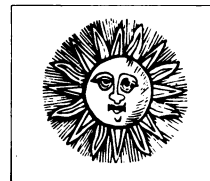
**ASME 1983 Design Automation Conference:** September 12-14, 1983, Dearborn, Michigan. (Not to be confused with the IEEE Computer Society/ACM Annual Design Automation Conference.) Submit four copies of manuscript by **January 15, 1983** (foreign authors) and **February 15, 1983** (US authors), to Prof. Glen E. Johnson, Box 8-B, Vanderbilt University, Nashville, TN 37235; (615) 322-0414.

**1983 Conference on Artificial Intelligence:** April 26-27, 1983, Rochester, Michigan. Submit a 300- to 500-word abstract by **January 15, 1983**, to Prof. Nan K. Loh, Center for Robotics and Advanced Automation, School of Engineering, Oakland University, Rochester, MI 48063.

**14th Annual Pittsburg Conference on Modeling and Simulation (IEEE et al.):** April 21-22, 1983, Pittsburg, Pennsylvania. Send a 50-word abstract and a summary by **January 31, 1983**, to William G. Vogt or Marlin H. Mickle, Modeling and Simulation Conference, 348 Benedum Engineering Hall, University of Pittsburgh, Pittsburg, PA 15261.

**Third International Conference on Entity-Relationship Approach:** October 6-8, 1983, Anaheim, California. Submit five copies of manuscript by **February 15, 1983**, to Prof. Peter A. Ng, Dept. of Computer Science, University of Missouri-Columbia, Columbia, MO 65211; (314) 882-4540 or 3842.

**1984 IEEE International Conference on Acoustics, Speech, and Signal Processing:** March 19-21, 1984, San Diego, California. Submit three copies of a 200-word summary by **September 1, 1983**, to Dr. Stanley A. White, Rockwell International (BB85), PO Box 4192, Anaheim, CA 92803.



## CALENDAR

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Ⓢ **Third International Conference on Distributed Computing, October 18-22**, Ft. Lauderdale, Florida. Contact Distributed Computing, PO Box 639, Silver Spring, MD 20901; (301) 589-3386.

**Local Area Networks Workshop (IEEE et al.), October 19-21**, Pinehurst, North Carolina. Persons interested in participating in this workshop, organized by the Communications Terminals Committee of the IEEE Communications Society, should send a statement of background, area of interest, and experience to Claude A. Kagan, Western Electric Co., Inc., PO Box 900, Princeton, NJ 08540; (609) 639-2244.

**1982 International Display Research Conference (IEEE et al.), October 19-21**, Cherry Hill, New Jersey. Contact Thomas Henion, Palisades Institute, 201 Varick St., New York, NY 10014; (212) 620-3384.

Ⓢ **Sixth International Conference on Pattern Recognition, October 19-22**, Munich, Germany. Contact Prof. Dr. H. Marko, Lehrstuhl fuer Nachrichtentechnik, der Technischen Universität München, 8000 München, Federal Republic of Germany.

**First Annual Pacific Northwest Computer Graphics Conference, October 25-26**, Eugene Oregon. Contact First Annual Pacific Northwest Computer Graphics Conference, Office of University Relations, 111 Susan Campbell Hall, University of Oregon, Eugene, OR 97403; (503) 686-5555.

**1982 ACM Annual Conference, October 25-27**, Dallas, Texas. Contact William Burns, ACM 82 Chairman, E-Systems, Inc., PO Box 26118, Dallas, TX 75266; (214) 272-0515, ext. 3916.

Ⓢ **First Annual Workshop on Interactive Computing: CAD/CAM: Electrical Engineering Education, October 25-28**, Charlottesville, Virginia. Contact Dr. Harlan D. Mills, IBM-FSD, 6600 Rockledge Dr., Bethesda, MD 20034; (301) 493-1495.

Ⓢ **Fifth IEEE Symposium on Mass Storage Systems, October 26-28**, Boulder, Colorado. Contact Bernard T. O'Lear or Karen Friedman, National Center for Atmospheric Research, PO Box 3000, Boulder, CO 80307; (303) 494-5151, ext. 293 or 387.

Ⓢ **ISMII 82, International Symposium on Medical Imaging and Image Interpretation, October 26-28**, Berlin, Germany. Contact Dr. Judith M. S. Prewitt, National Institutes of Health, DCRT, Bldg. 12A, Room 2053, Bethesda, MD 20205; (301) 496-1247.