

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 May 1983 issue, send information for receipt by March 15, 1983—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 editor-in-chief:

- 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.

- **Network Interconnection:** Submit by April 28, 1983, to Dr. Harvey A. Freeman, Architecture Technology Corp., PO Box 24344, Minneapolis, MN 55424; (612) 935-2035.
- **New VLSI CAD Tools:** Guest Editors Daniel Gajski of the University of Illinois, Urbana, and Robert H. Kuhn of Gould, Inc., have requested manuscript submission by May 10, 1983. Send to Kuhn at Gould, Inc., 40 Gould Center, Rolling Meadows, IL 60008; (312) 640-2101.

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.

Ⓢ **Seventh Annual Symposium on Computer Applications in Medical Care:** October 23-26, 1983, Baltimore, Maryland. Original papers, and proposals for workshops and tutorials are solicited. Submit by **March 14, 1983**, to Dr. Ruth Dayhoff, Georgetown University School of Medicine, Division of Biomedical Computing, 3900 Reservoir Rd. NW, Washington, DC 20007.

Ⓢ **Compccon Fall 83:** September 26-29, 1983, Arlington, Virginia. Proposals for papers, short note sessions, and panel sessions are solicited on the conference theme, "Delivering Computer Power to End Users." Submit suggestions for panel sessions by **March 15, 1983**; submit a 250-word summary of proposal for short notes session by **April 1, 1983**; submit four copies of a 1000-word paper by **April 1, 1983**, to Dr. Peter D. Bergstrom, PO Box 639, Silver Spring, MD 20901.

Journées d'électronique of EPFL on Testing Complex Integrated Circuits (IEEE et al.): October 11-13, 1983, Lausanne, Switzerland. Submit a proposal based on a full text or a detailed summary by **March 15, 1983**, to Scientific Committee, Journées d'électronique, EPFL, Chemin de Bellerive 16, CH—1007 Lausanne, Switzerland.

The Journal of Pascal and Ada will publish a special issue on engineering applications of Pascal and Ada in May, 1983. Submit an abstract by **March 15, 1983**, to John M. Craig, Editor, Box 384, Orem, UT 84057. On a continuing basis, the *Journal* accepts papers on a wide range of topics; a writer's guide is available on request.

22nd IEEE Conference on Decision and Control: December 14-16, 1983, San Antonio, Texas. Submit seven copies of a regular paper or four copies of a detailed summary of a short paper by **March 15, 1983**, to 22nd CDC, Prof. Michael K. Sain, Dept. of EE, Notre Dame University, Notre Dame, IN 46556; (219) 239-6538. Proposals for invited sessions are also solicited. Submit proposals by **April 15, 1983**, to Prof. Steven I. Marcus, Dept. of EE, The University of Texas at Austin, Austin, TX 78712; (512) 471-3265.

Second Symposium on Biomedical Engineering: October 5-7, 1983, Madrid, Spain. Send three copies of a summary by **March 31, 1983**, to Prof. Gregorio Fernández, E.T.S.I. Telecomunicación, Ciudad Universitaria, s/n Madrid-3, Spain; tele. (91) 449-57-00.

Ⓢ **Compsac 83, The IEEE Computer Society's Seventh International Computer Software and Applications Conference:** November 7-11, 1983, Chicago, Illinois. (Tutorials: November 7-8; Conference: November 9-11.) Submit proposals for panel sessions by **April 1, 1983** and papers by **May 2, 1983**, to Nick Marselos, Compsac 83 Program Committee Chairman, Western Electric, 2600 Warrentonville, Rd., Lisle, IL 60532; (312) 260-4860.

Ⓢ **Eighth Conference on Local Computer Networks: Practical Applications and Issues:** October 17-19, Minneapolis, Minnesota. Submit tutorial proposals by **April 1, 1983**; submit three copies of a formal paper by **May 1, 1983**, to Harvey A. Freeman, PO Box 24344, Minneapolis, MN 55424; (612) 935-2035.

1983 IEEE International Conference on Systems, Man, and Cybernetics: December 30, 1983 - January 7, 1984, Bombay and New Delhi, India. Submit three copies of a two-page summary by **April 1, 1983**, to G.V.S. Raju, Dept. of EE, Ohio University, Clipping Research Labs, Athens, OH 45701; (614) 594-5313.

Ⓢ **Third Symposium on Reliability in Distributed Software and Database Systems:** October 17-19, 1983, Clearwater Beach, Florida. Long papers (up to 6000 words), short papers (up to 3000 words), and suggestions for group discussions are solicited on two topics—reliable distributed software systems and reliable distributed databases. Submit by **April 1, 1983**, five copies of all contributions on software systems to Dr. Robert Gordon, Prime Computer, Inc., Framingham, MA 01701; (617) 879-2960, ext. 3802; on databases, to Dr. David Cohen, Bell Labs, 2F-405, Holmdel, NJ 07733; (201) 949-7609.

Ⓢ **ICCAD-83, 1983 IEEE International Conference on Computer-Aided Design:** September 12-14, 1983, Santa Clara, California. Submit 20 copies of both a 35-word abstract suitable for publication in an advance program and a 200-500 word summary to be used in selecting papers for presentation by **April 3, 1983**, to Dr. William J. McCalla, Hewlett-Packard Co., 11000 Wolfe Rd., Cupertino, CA 95014.

Ⓢ **International Conference on Computer Design: VLSI in Computers:** October 31-November 3, 1983, Port Chester, New York. Submit full version of paper or 500-word abstract by **April 3, 1983**, to Dr. Harold W. Carter, 24 Long Street Lane, Wright-Patterson AFB, Ohio 45433; (513) 255-3576 or 253-8142.

ACEMB, 36th Annual Conference on Engineering in Medicine and Biology (IEEE et al.): September 12-14, 1983, Columbus, Ohio. Submit an abstract by **April 15, 1983**, to Patricia I. Horner, The Alliance for Engineering in Medicine and Biology, 4405 East-West Highway, Suite 210, Bethesda, MD 20814; (301) 657-4142.

Meco 83, Sixth IASTED International Symposium on Measurement and Control: August 29-September 1, 1983; and **EES 83, IASTED International Symposium on Modeling, Planning,**

Decision, and Control in Energy and Environmental Systems: August 30-September 2, 1983; Athens, Greece. Submit an abstract for either symposium by **April 15, 1983**, to Prof. S. G. Tzafestas, Electrical Engineering Dept., University of Patras, Patras, Greece; tele. (061) 991.769 or 992.198.

☉ **1983 Winter Simulation Conference:** December 12-14, 1983, Arlington, Virginia. Submit four copies of a full-length paper (double-spaced) and a list of key words by **April 15, 1983**, to Bruce Schmeiser, School of Industrial Engineering, Purdue University, West Lafayette, IN 47907; (317) 494-5422.

Chi 83 Conference on Human Factors in Computing Systems: December 12-15, 1983, Boston, Massachusetts. Submit four copies of a 2500-word paper containing an abstract of 100-150 words by **May 1, 1983**, to Richard W. Pew, Bolt Baranek & Newman, Inc., 10 Moulton St., Cambridge, MA 12238; (617) 497-3557.

☉ **Real-Time Systems Symposium:** December 7-9, 1983, Arlington, Virginia. Submit four copies of paper by **May 1, 1983**, to Prof. Mirosław Malek, Dept. of Electrical Engineering, The University of Texas at Austin, Austin, TX 78712; (512) 471-5704.

IEEE Transactions on Electron Devices and IEEE Journal of Solid State Circuits will publish a joint special issue on Custom ICs in February 1984. Submit three copies of manuscript by **May 25, 1983**. Send papers with emphasis on circuits to Prof. S. G. Chamberlain, EE Dept., University of Waterloo, Waterloo, Ontario, Canada N2L 3G1. Send papers with emphasis on devices or technology to Dr. C. Anagnostopoulos, Research Laboratories, Eastman Kodak Co., Rochester, NY 14650.

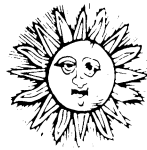
Japan Display 83, Third International Display Research Conference: October 3-5, 1983, Port Island, Kobe, Japan. Submit an original and three copies of an abstract and summary by **May 31, 1983**, to Prof. Akio Sasaki, c/o Secretariat of Japan Display 83, Japan Convention Services, Nippon Press Center Bldg., Uchisaiwai-cho 2-2-1, Chiyoda-ku, Tokyo 100, Japan; tele. 03-508-1211.

International Symposium on the Performance of Computer-Communications Systems: March 21-23, 1984, Zurich, Switzerland. Submit five copies of paper by **June 1, 1983**, to Werner Bux and Harry Rudin, IBM Zurich Research Laboratory, Saumerstrasse 4, CH-8803 Ruschlikon, Switzerland.

☉ **IEEE Workshop on Languages for Automation:** November 7-8, 1983, Chicago, Illinois. Submit three copies of a paper by **June 30, 1983**, to Prof. Shi-Kuo Chang, Dept. of EE, Illinois Institute of Technology, IIT Center, Chicago 60616; (312) 567-3401.

☉ **Seventh International Conference on Software Engineering:** March 25-30, 1984, Orlando, Florida. Submit five copies of a paper not exceeding 6000 words and a short abstract by **July 1, 1983**, to Prof. William E. Howden, Dept. of EE and CS, University of California at San Diego, La Jolla, CA 92093.

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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☉ **Tutorial Week Europe 83: IEEE Tutorials on Computers in Industry, April 15-20.** Hanover, Germany. Contact Tutorial Week Europe 83, PO Box 639, Silver Spring, MD 20901; (301) 589-8142; TWX 7108250437 IEEECOMPISO.

Application of Optical Instrumentation in Medicine XI, April 17-20. Atlanta, Georgia. Contact SPIE, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

☉ **IEEE Infocom 83, April 17-22.** San Diego, California. Contact IEEE Infocom 83, PO Box 639, Silver Spring, MD 20901; (301) 589-8142; TWX 7108250437 IEEECOMPISO.

Fifth International Conference on Computer Capacity Management, April 18-21. New Orleans, Louisiana. Contact Dr. Armond Inselberg, Institute for Software Engineering, 510 Oakmead Parkway, Sunnyvale, CA 94086; (408) 749-0133.

☉ **SPIE International Technical Symposium, April 18-22.** Geneva, Switzerland. Contact Joseph Yaver, SPIE, PO Box 10, Bellingham, WA 98227; (206) 676-3290.

Electro 83 and Mini/Micro Northeast (IEEE et al.), April 19-21. New York, New York. Contact Electronic Conventions, Inc., Suite 410, 999 North Sepulveda Blvd., El Segundo, CA 90245; (213) 772-2965.

Symposium on Computer-Aided Geometry Modeling, April 20-22. Hampton, Virginia. Contact John Shoosmith, MS 125, NASA Langley Research Center, Hampton, VA 23665; (804) 827-3466.

14th Annual Pittsburgh Conference on Modeling and Simulation (IEEE et al.), April 21-22. Pittsburgh, Pennsylvania. Contact William G. Vogt or Marlin H. Mickle, Modeling and Simulation Conference, 348 Benedum Engineering Hall, University of Pittsburgh, Pittsburgh, PA 15261.

15th ACM Symposium on Theory of Computing, April 25-27. Boston, Massachusetts. Contact David S. Johnson, Room 2C-355, Bell Laboratories, Murray Hill, NJ 07974.

☉ **1983 Symposium on Security and Privacy, April 25-27.** Oakland, California. Contact Marvin Schaefer, DoD Computer Security Center, 9800 Savage Rd., Ft. Meade, MD 20755; (301) 859-6880.

☉ **Workshop on Software Engineering Technology Transfer, April 25-27.** Miami Beach, Florida. Contact Richard Morton, EEIS Co., 401 North Washington St., Rockville, MD 20850; (301) 340-5278.

CAPE 83, First International Conference on Computer Applications in Production and Engineering, April 25-28. Amsterdam, The Netherlands. Contact Conference Secretariat, CAPE 83, c/o Organisatie Bureau Amsterdam BV, Europaplein, 1078 GZ Amsterdam, The Netherlands.

Jordan-International Electrical and Electronic Engineering Conference, April 25-28. Amman, Jordan. Contact Dr. M. Maqusi, Electrical Engineering Dept., University of Jordan, Amman, Jordan.

1983 Conference on Artificial Intelligence, April 26-27. Rochester, Michigan. Contact Prof. Nan K. Loh, Center for Robotics and Advanced Automation, School of Engineering, Oakland University, Rochester, MI 48063.

☉ **IEEE Computer Society Workshop on Laboratories for Reliable Systems Research, April 27-29.** Hampton, Virginia. Contact Billy L. Dove, NASA Langley Research Center, Hampton, VA 23665; (804) 827-2233.

Satellite and Computer Communications Conference, April 27-29. Versailles, France. Contact Jacques-Louis Lions, INRIA, Domaine de Voluceau, Rocquencourt, B.P. 105 - 78153, Le Chesnay, Cedex, France; tele. (3) 954 9020.

May 1983

1983 IEEE International Symposium on Circuits and Systems, May 2-4. Newport Beach, California. Contact Dr. George Szentirmai, CGIS, 1131 San Antonio Rd., Palo Alto, CA 94303; (415) 966-8440.

Association for Educational Data Systems 21st Annual Convention, May 8-13. Portland, Oregon. Contact AEDS, 1201 16th St. NW, Washington, DC 20036; (202) 822-7845.

Graphics Interface 83, May 9-13. Edmonton, Canada. Contact Graphics Interface 83, CIPS Edmonton, PO Box 1881, Edmonton, Alberta, Canada T5J 2P3; (403) 427-9416.

Society for Information Display 1983 International Symposium, May 9-13. Philadelphia, Pennsylvania. Contact Lewis Winner, 301 Almeria Ave., Coral Gables, FL 33134; (305) 446-8193.

Northcon 83 and Mini/Micro Northwest (IEEE et al.), May 10-12. Portland, Oregon. Contact Electronic Conventions, Inc., 999 North Sepulveda Blvd., El Segundo, CA 90245; (213) 772-2965.

☉ **Annual Technical Committee on Packaging Spring 83 Workshop, May 11-13.** San Diego, California. Contact Ray Usell, Burroughs Corp., PO Box 28810, San Diego, CA 92128; (619) 451-4397.

IFIP/Sec 83, International Federation for Information Processing/Security and Privacy Congress, May 16-19. Stockholm, Sweden. Contact Congress Secretariat, Swedish Society for Information Processing, Box 22114, S-104 22 Stockholm, Sweden; tele. 46-52 07 20.

☉ **National Computer Conference 83: May 16-19.** Anaheim, California. Contact AFIPS, 1815 N. Lynn St., Arlington, VA 22209; (703) 558-3612.

Photon 83, International Conference and Exhibition of Fiber Optics, Materials, Processes, and Applications, May 16-19. Paris, France. Contact Didier Boucher, Fibres Optiques Industries, Route d'Etampes, 45300 Pithviers, France; in the US, contact Jacques Boudot, Quartz Productions Corp., PO Box 1347, Plainfield, NJ 07061; (201) 757-4545.

☉ **Second Software Engineering Standards Applications Workshop, May 17-19.** San Francisco, California. Contact T. Hannan, DOT/FAA/ARD-131, 400 Independence Ave., Washington, DC 20591; (202) 426-9325.