CALL FOR PAPERS

Calls are listed according to submittal deadlines. Conferences that the Computer Society participates in or sponsors are indicated by the IEEE Computer Society logo; others of interest to our readers are also included. For inclusion in "Call for Papers," submit information six weeks before the month of publication (e.g., for the November 1984 issue, send information for receipt by September 15, 1984) to COMPUTER, 10662 Los Vaqueros Circle, Los Altamitos, CA 90720.

Call for papers for Computer

Computer is soliciting 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 designate:

- Michael C. Mulder
  Applied Research
  University of Portland
  Portland, OR 97203
  Phone (503) 283-7433

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


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

Fourth Annual Research Conference on Office Systems: February 2-3, 1985, Atlanta, Georgia. Papers suitable for 20- to 30-minute presentations are sought. Submit full paper or a 500-word synopsis with a detailed outline of the proposed presentation by August 15, 1984, to Mary M. Ruprecht, 140 W. Myrtle St., Duluth, MN 55811; (218) 727-5150.

Second Symposium on Theoretical Aspects of Computer Science: January 3-5, 1985, Saarbrücken, West Germany. Send seven copies of a draft paper five to 10 pages in length by August 15, 1984, to K. Mehlhorn, Fachbereich 10, Universität des Saarlandes, D-6600 Saarbrücken, West Germany.

Los Angeles Technical Symposium on Optical and Electro-Optical Engineering and Instruments: Exhibit Hall, Los Angeles Convention Center, September 20-25, 1985. Los Angeles, California. This symposium is soliciting papers for presentation during its sessions on optical mass data storage, advances in display technology, spectroscopic characterization techniques for semiconductor technology, advanced applications of ion implantation, applications of holography, measurement and effects of surface defects and quality of polish, architectures and algorithms for digital image processing, and ultrashort pulse spectroscopy and applications. Submit author application (available from SPIE), four copies of a 200- to 300-word abstract, and four copies of principal author's professional biography by August 20, 1984, to SPIE Technical Program Committee, LA 85, PO Box 10, Bellingham, WA 98227-0010; (206) 676-3290; telex 46-7073.

Fourth Annual Test & Measurement World Expo: Process Monitoring, Not Product Test: May 14-16, 1985, San Jose, California. Papers, session leaders, workshop leaders, and panelists are sought. Authors should submit outlines of proposed topics, session and workshop leaders and panelists should submit 200-word abstracts describing proposed formats by August 31, 1984, to Meg Bowen, Test & Management World Expo, 215 Brighton Ave., Boston, MA 02134; (617) 254-1445.

1985 Microprocessor Forum: March 31-April 4, 1985, Atlantic City, New Jersey. Paper proposals related but not limited to silicon-based architecture, engineering workstations, and extending technology through engineering workstations are sought for this conference. Send three copies of a proposal which includes the paper's title, the names, addresses, telephone numbers, and affiliations of all authors; and a statement of commitment that one of the authors will present the paper at the forum in case of acceptance, by September 1, 1984, to Walt Lucia, Sperry Corp., Computer Systems, M.8E3-134, PO Box 500, Blue Bell, PA 19424; (215) 542-2760.

Built-in Self Test: IEEE Design & Test of Computers is seeking articles for the April 1985 issue, which will focus on built-in self test at the chip, multichip assembly, and system levels. BIST implies that either one or both testing processes of input stimulation or output evaluation are integral to the product and require no support of external test equipment. Articles reflecting user practice and experience are particularly encouraged. Submit four copies by September 3, 1984, to Richard M. Sedmak, BITE, Inc., Penn Plaza Office Complex, 120 Pennsylvania Ave., Oreland, PA 19075; (215) 576-5650.

ACM South Central Regional Conference #4: November 16-18, 1984, Austin, Texas. Submit two copies each of a three-page extended abstract and a 50-word summary containing the authors' names, the mailing address of the first author, and the name of the person presenting the paper by September 15, 1984, to Camille C. Price, Department of Computer Science, Stephen F. Austin State University, Nacogdoches, TX 75962; (409) 569-2508.

ICS 85, ACM European Regional Conference: March 27-29, 1985, Florence, Italy. Papers are invited on fast-growing areas of computer science and applications, including but not limited to distributed computer systems, personal computing, information systems, sophisticated user interfaces, CAD/CAM, software engineering, and formal system specification. Submit three copies of full-length manuscripts by September 20, 1984, to Giacomo Bacci, Dipartimento Sistemi e Informatica, Via Marta 3, 50139 Firenze, Italy.

CHI 85, Human Factors in Computing Systems (ACM): April 14-18, 1985, San Francisco, California. Submit five copies of a paper not exceeding 3000 words and an abstract not exceeding 100 words by September 28, 1984, to Bill Curtis, MCC, Echelon Blvd. #1, 9430 Research Blvd., Austin, TX 78759; (512) 343-0860.

Compuit 85, Computer-Aided Technology: September 9-12, 1985, Montreal, Quebec, Canada. Submit 6000-word papers, or 2000-word papers with a 200- to 500-word abstract, by October 1, 1984, to Stephen G. Leapley, Compuit 85, PO Box 577, Desjardins Postal Station, Montreal, PQ H3B 1B7, Cana: (514) 870-2969.

International Conference on Foundations of Data Organization: May 22-24, 1985, Kyoto, Japan. Authors are invited to submit three copies of a full paper before October 15, 1984, to Katsushi Tanaka, College of Liberal Arts, Kobe University, Nada, Kobe 657, Japan.

1985 IEEE International Conference on Robotics and Automation: March 25-27, 1985, St. Louis, Missouri. Papers in all areas of robotics and flexible automation are solicited. Papers describing novel applications of robotics will be welcome. Send four copies of papers by October 15, 1984, to T. Lozano-Perez, MIT AI Lab, 545 Technology Square, Cambridge, MA 02139.

Fault Tolerance in VLSI: Papers are invited for a special IEEE Proceedings issue which will appear in May 1986. Submit six copies of a complete paper not exceeding 6000 words by October 31, 1984, to B. Courtois, IMAG/TIM3, B.P. 68, 38402 St. Martin d’Heres Cedex, France; phone 33 (70) 51-46-00; or M. Mezulama, Politecnico di Torino, Diapartmento di Automatica e Informatica, Corso Duca degli Abruzzi 24, 10129 Torino, Italy; phone 39 (11) 51 92-75; or telex 220 646 POIITO.

Graphics Interface 85 (IEEE et al.): May 27-31, 1985, Montreal, Quebec, Canada. Contributions are sought describing research results and applications relating to graphics in office automation, CAD/CAM, computer-aided building design, computer animation, videocon, cartographs, graphics and the arts, graphics in education, image processing, interaction techniques, image synthesis, geometric modeling, graphics and robotics, industrial graphics, graphics and operations research, and medical computer graphics. Submit 1500-word extended summaries by September 30, 1984, to N. Magnenat Thalmann, Hautes Etudes Commerciales, Universite de Montreal, 5255 avenue Decelles, Montreal, PQ H3T 1V6, Canada; phone (514) 343-3867.

15th Annual Symposium on Multiple-Valued Logic (IEEE et al.): May 28-30, 1985, Kingston, Ontario, Canada. Original research surver, and tutorial papers are sought. Submit four copies of a paper not exceeding 20 pages and including a 50- to 100-word abstract by November 1, 1984, to D. C. Rine, Computer Science Department, Suite 447, Stipes Hall, Western Illinois University, Macomb, IL 61455; (309) 298-1315 (American); or C. Moraga, Abteilung Informatik, Universitat Dortmund, Postfach 500500, 400 Dortmund 50, West Germany (Europe); or M. Mukaidono, Faculty of Engineering, Meiji University, 1-1-1 Higashinaka, Tamagawa, Kawasaki-shi 214, Japan (Asia Pacific).


ASME 85, International Computers in Engineering Conference and Exhibition: August 4-8, 1985, Boston, Massachusetts. Papers are solicited in all areas related to the research, development and application of computers in mechanical engineering with an emphasis on expert systems. Send abstract by November 15, 1984, to Steve M. Rhode, Power Systems Research Department, General Motors Research Laboratories, Warren, MI 48090-9055.

Eurocal 85, European Conference on Computer Algebra (ACM): April 1-3, 1985, Linz, Austria. Submit 12-page papers of original contributions by November 15, 1984, to Bruno Buchberger, Universitat Linz, Institut fur Mathematik, A 4040 Linz, Austria; phone (0043 (732) 232381-9219; or telex 23233 anti.

Fourth Scandinavian Conference on Image Analysis: June 18-20, 1985, Trondheim, Norway. Three copies of a 300-word abstract, in English, should be submitted by November 15, 1984, to Eric Swane, Automatic Control Division, SINTEF, The Norwegian Institute of Technology, N-7034 Trondheim-NTH, Norway; phone 47 75 93 41.

DAC 85, 22nd Design Automation Conference (ACM): June 23-26, 1985, Las Vegas, Nevada. Authors should submit five complete copies (including 100-word abstract) of 5000-word papers in all areas of design automation by November 16, 1984, and two-page proposals for topics and organization of panels and miniworkshops by December 15, 1984, to Lawrence A. O’Neill, Bell Laboratories, (28327), Crawfordts Corner Rd., Holmdel, NJ 07783.

Artificial Intelligence Techniques in Design and Test: Papers are sought for the August 1985 issue of IEEE Design & Test of Computers which will describe the use of artificial intelligence techniques in the design and test process, including AI techniques used in design architecture, CAD, and CAT tools. Articles describing user experience and industrial usage are particularly encouraged. Submit four copies by December 1, 1984, to Donald E. Thomas, ECE Department, Carnegie-Mellon University, Pittsburgh, PA 15213; (412) 578-5345.

FICS-15, 15th International Symposium on Fault-Tolerant Computing: June 19-21, 1985, Ann Arbor, Michigan. Submit five copies of 1000- to 5000-word papers (double-spaced) or a 1000-word summary of a panel proposal by December 1, 1984, to David E. Morgan, Digital Equipment Corp., 40 Old Bolton Rd., MS: GO11-1131, Stow, MA 01775; (617) 496-9385; or telex GO11.


International Workshop on Timed Petri Nets: July 1-3, 1985, Turin, Italy. Submit three copies of a paper not exceeding 20 pages on the theory of timed Petri nets; applications of timed Petri nets in computer science, communications and reliability; tools for automated analysis of timed Petri nets; or graphical models for system performance evaluation by December 1, 1984, to Gianfranco Balbo, Dipartimento di Informatica, Universita di Torino, Corso Massimo d’Azeglio 42, 10125 Torino, Italy.

Fifth International Conference on Mathematical Modeling: July 29-31, 1985, Berkeley, California. This conference is seeking full-length papers suitable for 20-minute presentations, short reports designed for 10-minute presentations, and papers suitable for poster sessions. Submit abstracts not exceeding 500 words for full-length papers and not exceeding 200 words for papers in the other categories. (Authors wishing to be considered for one of two $500 awards which will be bestowed should submit their abstracts in full that do not exceed 15 single-spaced pages.) Send all materials by December 15, 1984, to Xavier J. R. Avula, Institute for Applied Sciences, Branch Office, PO Box 1488, Rolla, MO 65401.

Design and Test in Japan: Articles are sought for the October 1985 issue of IEEE Design & Test of Computers, which will cover state-of-the-art design and test technology in Japan, particularly as applied in the development of LSIs and VLSIs products. Articles describing user experience and industrial usage are particularly encouraged. Submit four copies by February 1, 1985, to Akihiko Yamada, NEC Corp., 14-1-1, Shiba, Minato-ku, Tokyo 108, Japan; telex NECTOR J22686.

IEEE Workshop on Languages for Automation: Cognitive Aspects in Information Processing: June 28-29, 1985, Palma de Mallorca Island, Spain. Papers on cognitive modeling, man-machine interfaces, knowledge representation and delivery, experiential databases, behavioral signature extraction, shift of attention among/within behavioral modalities, filtering of input data, zooming and focusing operations, locus of vision, focus of attention, ultraconcurrent and asynchronous designs for information processing and decision making, weighing of evidence, event-data correlation and inference, and decision-making algorithms are solicited. Submit complete manuscript (20-page maximum) with 200-word abstract by February 1, 1985, to P. A. Ligomenides, Computers and Cybernetic Engineering Program, Department of Electrical Engineering, University of Maryland, College Park, MD 20742.

Manufacturing Testing: Articles are sought for the December 1985 issue of IEEE Design & Test of Computers, which will cover testing of electronic hardware (integrated circuits, logic chips, memory chips, assemblies, etc.) as practiced on the manufacturing side of the design/manufacturing interface. Submit four copies by April 1, 1985, to Jack Arabian, Digital Equipment Corp., 100 Minuteman Rd., Andover, MA 01810-1099.