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Job Wanted: A NOVA Computer Software and Hardware Expert, with an avid interest in signal acquisition, processing, and control, is looking for a job setting up and operating a computer laboratory for that purpose, utilizing NOVA or ECLIPSE computers. Please send inquiries to Mr. J. F. Herbst, 1102 Pear Tree Lane, Houston, Texas 77090.


Member of Technical Staff—Digital Signal Processing. Sperry Research Center has an opening for a Member of the Technical Staff in its Systems Studies Department to serve as a principal investigator in programs involving digital signal processing. The successful candidate must:
- Be a technical investigator and have the ability to direct the technical activities of other staff members.
- Be active in the signal processing area. Published papers documenting technical accomplishments are desirable.
- Have related experience in computer architecture, digital circuit design, microprocessor technology, and/or LSI fabrication techniques.
- Be capable of documenting results in reports and delivering concise oral presentations.
- Be a recent Ph.D. graduate (1974-5) in Electrical Engineering, Mathematics, or Physics.

Please send resume to Janet Porretti, Sperry Research Center, 100 North Road, Sudbury, Massachusetts 01776.

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Computer Scientists: We currently have openings for highly creative people to perform research in the following areas:
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If you have done research in any of these or related areas and would be interested in a challenging opportunity to perform similar research directed toward future UNIVAC products, please send your resume to Janet Porretti, Personnel, SPERRY RESEARCH CENTER 100 North Road Sudbury, Massachusetts 01776

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CALL FOR PAPERS

Fourth Conference on Programming Languages: March 8-10, 1976, Nuremberg, Germany. A written version of the lecture no more than 10 typewritten pages in length should be submitted by September 13 to the Chairman of the Organization Committee, Prof. Hans Juergen Schneider, Inst. f. Math. Masch. u. DV (II) 852 Erlangen, Egerlandstr. 13, West Germany.


1975 ACM George E. Forsythe Student Paper Competition: An opportunity for high school students and undergraduates who have not received a bachelor's degree before April 1, 1975 to submit original ideas on any topic related to computers and their applications. The best papers will be published in Communications of the ACM and the authors will receive awards. Due date for papers is September 15. Contact, as soon as possible, ACM Student Editorial Committee, Department of Computer Science, University of Toronto, Toronto, Ontario, Canada M5S 1A7.

Computer Society of India—Annual Convention: January 20-23, 1976, Hyderabad, India. Focussing on the theme "Computers and Social Change," CSI 76 solicits papers on the role of computers in planning and promoting social change in such areas as the behavioral sciences, social infrastructures and core sectors. Other areas of interest include hardware and systems, software, science and technology, management and business. For further information, submit subject and title of paper by September 21, 1975, to DVR Vithal, Program Chairman, CSI 76, Computer Group, Tat Institute of Fundamental Research, Bombay 400 005, India.

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Twelfth Modulator Symposium: February 4-5, 1976, New York, New York. Submit a 200 word abstract and ten copies appropriate to a 20-minute paper, including discussion, by October 17, 1975, to Sol Schneider, Program Chairman, Electronics Technology and Devices Laboratory (ECOM), Ft. Monmouth, NJ 07703; for additional information, (201) 596-1740.

1976 International Symposium on Fault-Tolerant Computing: June 21-23, 1976, Pittsburgh, Pennsylvania. Submit an abstract of not more than 250 words by November 1, 1975, four copies of complete papers of digest length (4000-word maximum) and one-page statement of the nature of the contribution made in the paper by December 1, 1975, to Dr. Barry R. Borgerson, Sperry Research Center, 100 North Road, Sudbury, MA 01776; (617) 389-4000.

1976 International Symposium on Fault-Tolerant Computing: June 21-23, 1976, Pittsburgh, Pennsylvania. Submit an abstract of not more than 250 words by November 1, 1975, four copies of complete papers of digest length (4000-word maximum) and one-page statement of the nature of the contribution made in the paper by December 1, 1975, to Dr. Barry R. Borgerson, Sperry Research Center, 100 North Road, Sudbury, MA 01776; (617) 389-4000.

Programming Systems in the Small Processor Environment: March 4-6, 1976, New Orleans, Louisiana. Original papers are invited on the special advantages, problems, and techniques of programming small processors, including programming support software, software structures, and programming management. Submit five copies of the manuscript with abstract by November 15, 1975, to Lawrence J. Schutte, Room 6B-302, Bell Telephone Laboratories, Naperville, IL 60540.


IEEE Region V Annual Conference: April 14-16, 1976, Austin, Texas. Tutorial survey and research papers in the areas of antennas/EM waves/acoustics, computers/information systems/biomedical electronics, energy resources/energy processing/environmental engineering, solid state electronics/quantum electronics/networks and systems are sought. Submit a 50-word abstract and a detailed summary including references and figures (not more than three typewritten pages) by November 15, 1975, to A. Bruce Buckman, Electrical Engineering Department, The University of Texas at Austin, Austin, TX 78712.

Fourth Annual ACM Computer Science Conference: February 10-12, 1976, Anaheim, California. Short reports on current research in computer science are sought. Submit abstracts by December 1, 1975, to Julian Feldman, Assistant Chancellor for Computing, University of California, Irvine, CA 92664.

1976 Summer Computer Simulation Conference: July 12-14, 1976, Washington, D.C. Submit a three to five page summary by December 1, 1975, to Dr. Iwao Sugai, The Johns Hopkins University, Applied Physics Laboratory, 11100 Johns Hopkins Road, Laurel, MD 20810; (301) 953-7100 x7857.

Third ICASE Conference on Computer Science and Scientific Computing: April 1-2, 1976, Williamsburg, Virginia. Papers are invited on significant applications of advanced computer science techniques to scientific computing. Attend the new computer science concepts which seem of particular importance to scientific computing. All contributed papers will appear in poster sessions interspersed with invited talks. Authors should submit 2-3 page abstracts by December 1, 1975, to Robert G. Voigt, ICASE, M/S 132C, NASA Langley Research Center, Hampton, VA 23665; (804) 827-2513.

Call for Papers for Computer: We're looking for papers and articles of wide appeal to Computer Society members for publication in Computer. If you have an idea for an article contact our technical editor. If you have a manuscript ready for review, submit four complete copies, including illustrations and references or bibliography, and a statement indicating whether the manuscript has been submitted for publication elsewhere. (Papers of unusual merit that have appeared before other audiences may be published in Computer.) Pages should be typed, double or triple spaced, on one side only. References may appear as numbered footnotes or separately at the end of the paper. In either case, references should be complete, in IEEE style, and in general should be accessible to our readers. If your manuscript is accepted, you will be asked to supply two copies of the final revised draft, including camera-ready art, plus your biography and photo. Submit to our technical editor: Dr. Jack Shemer, Xerox Research, Advanced Development Lab, Mail Station C3-50, 701 South Aviation Blvd., El Segundo, CA 90245.
International Symposium on Multiple-Valued Logic: May 25-28, 1976, University of Utah, Logan, Utah. Submit four copies of 10-25 page paper including figures and a 50-100 word abstract by December 1, 1975. For an oral presentation of recent results which are not yet fully developed, submit a title and abstract by April 15, 1976. Send to Prof. Zvonko Vianesic, Program Chairman, Department of Electrical Engineering, University of Toronto, Toronto, Ontario, Canada, M5S 1A4.

Association for Educational Data Systems 14th Annual Convention: May 3-7, 1976, Phoenix, Arizona. Papers are solicited in all areas of computer use in instruction, educational administration, or research. Submit an abstract of not more than 100 words by December 1, 1975, complete paper by March 1, 1976, to Max Ivey, 1976 AEDS Convention Program Chairperson, Campus Systems and Programming, Wilson Hall, Room 206, Arizona State University, Tempe, AZ 85281; (602) 965-7753.

1976 National Computer Conference: June 7-10, 1976, New York, New York. NCC is sponsored by AFIPS together with four of its constituent societies: ACM, DPMA, IEEE-CS, and SCS. Submit six copies of each manuscript not exceeding 5000 words, including an abstract of not over 200 words, by January 5, 1976, to Dr. Stanley Winkler, IBM Corporation, 18100 Frederick Pike, Gaithersburg, MD 20760; (301) 840-7384.

Third International Joint Conference on Pattern Recognition: November 8-11, 1976, Coronado, California. Authors are invited to submit papers on theory (statistical methods, structural and syntactic methods, clustering, learning algorithms, and modeling), preprocessing techniques (image processing, line-drawings, waveforms, pattern perception, analysis of three-dimensional scenes, and reconstructions from projections), applications (character recognition, speech recognition, robot vision, biomedical, remote sensing, and other scientific and industrial applications), and implementations and methodology (digital techniques, interactive systems, data structures, data bases, and test and evaluation). Submit by March 1, 1976, to Program Chairman Allen Klinger, Associate Professor, University of California, Los Angeles, 3531-C Boelter Hall, Los Angeles, CA 90024.

Computer Networks: The International Journal of Distributed Informatics is devoted to the publication of material on a broad range of subjects that relate to all forms of distributed computation and information systems. All types of articles, short notes on current projects and selected bibliographies will be considered for publication. Duplicate copies of typed manuscripts ranging in length from one-half to 40-50 pages should be sent to Computer Networks, North-Holland Publishing Company, PO Box 103, Amsterdam, The Netherlands.

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Not generally available elsewhere, this manual provides complete documentation for SURGE717, a non-proprietary computer program which generates appropriate data-processing logic and produces COBOL source programs from simple descriptive parameter cards.

Price, photocopy—$23.30


A BASIC language interpreter has been designed for use in a microprocessor environment. This report discusses the development of 1) an elaborate text editor and 2) a table driven interpreter. The entire system, including text editor, interpreter, user test buffer, and full floating point arithmetic routines fits in 16K words.

Price, photocopy—$5.20

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“MICRO-8;” Papers presented at the Eighth Annual Workshop on Microprogramming, September 21-23, 1975

Includes sessions on microprogramming architecture, microprogram optimization, LSI microprogram sequencers, microprogrammed microprocessors, microprogram performance evaluation, emulation, and software, as well as one on the significance, benefits, and pitfalls of microprogramming.

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Price—$25.00 Member Price—$18.75

1975 Conference Proceedings


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This popular one-day symposium focuses on practical experiences with a network and new research results. Papers cover a wide range of topics including resource sharing and management, performance evaluation and cost, software and hardware reliability, security, user or system access to a network, private or value added networks, and transportable software.

Price—$8.00 Member Price—$6.00


This popular tutorial, originally held in conjunction with the May 1974 Symposium on Computer Networks in Gaithersburg, Maryland, has been revised and expanded for presentation in 1975. Topics include network configuration and vocabulary, hardware components, software components, utilization, measurement and evaluation, costs, and issues in management.

Price—$12.00


This conference gathered together people in artificial intelligence, computer graphics, and pattern recognition to discuss an approach to flexible and intelligent human interface to pattern and pictorial data. Topics include user-oriented graphics, pictorial pattern recognition, industrial applications and advanced automation, remote sensing and image processing, texture recognition and synthesis, high level languages and pattern analysis, speech understanding and sound analysis, and data definition and conversion.

Price—$25.00 Member Price—$15.00

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