CARER OPPORTUNITIES

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To allow sufficient time for distribution of the magazine, schedule your job advertisement deadlines at least four weeks after issue date (e.g., deadline of Nov. 28 to send applications responding to ad appearing in Nov. issue). Note: IEEE Computer Society member ads for positions wanted $10 up to 10 lines, $1 per line thereafter. Situations wanted ads run free for unemployed society members. Include IEEE member number in either case.

In order to conform to the Age Discrimination in Employment Act and to discourage age discrimination, COMPUTER may reject any advertisement containing any of these phrases or similar ones: 

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SUPERCOMPUTING CENTER MANAGER

The University of Texas System Center for High Performance Computing (CHPC) is seeking qualified applicants for the position of Manager. The UT System CHPC is equipped with a Cray X-MP/24 supercomputer with SSD, two front-end computers, NSC hyperchannel, image graphics and data processing systems. Located in Austin, the UT System CHPC serves 13 component institutions of The University of Texas System through a dedicated computer network. The UT System CHPC reports to the Office of the Chancellor, The University of Texas System. Manager will be responsible for directing all aspects of the UT System CHPC, including the coordination of research programs in high performance computing conducted by UT System faculty under a UT System CHPC administered grant program. Applicants should have the following qualifications: five or more years experience in successfully managing a substantial research computing facility, be knowledgeable in high performance computing and telecommunication technologies, and possess a respectable research and publication record. An earned doctoral degree is preferred. Salary is commensurate with qualification and experience. Applications with complete resumes should be directed by July 1, 1986 to The University of Texas System Center for High Performance Computing, 1901 O. D. S. Austin, TX 78715-7255. The University of Texas System is an Equal Opportunity-Affirmative Action Employer.

POSITION NOTICE

COMPUTER SCIENTIST

An immediate opening is available for a Computer Scientist in supercomputing research and development. This is a university position. The primary responsibility of the position will be to participate in the design, development and testing of numerical and non-numerical algorithms for multiprocessors. Specific applications include the analysis and implementation of weather modeling packages (finite differences as well as spectrum methods). The successful applicant must be able to interact with hardware professionals (for the design of interconnection networks and global memory) and with software developers (for the design and implementation of multiprocessor compilers and operating systems). Duties also include the inclusion and maintenance of mathematical libraries and application models, and the provision of assistance to faculty members in the use of the systems. Minimum qualifications include: A Master's degree in Computer Science, advanced coursework or experience in numerical weather prediction and numerical methods in fluid dynamics; 2 years experience as a computer programmer/analyst working with FORTRAN and scientific programming and exposure to a variety of engineering and scientific packages and libraries. Also required is experience with VAX UNIX computers, which may be obtained during graduate studies. Salary will be between $33,000 and $40,000 depending on qualifications and experience. Send resumes, including names of at least three references to: Mrs. Wanda Byrd, Illinois Job Service, 402 North Randolph, Champaign, IL 61820 Reference No. 020062

This is an Employer Paid Ad AAEOE

RESEARCH-ARTIFICIAL INTELLIGENCE

Large research lab in the Baltimore, MD area invites applications for the position of Scientist in Research-Artificial Intelligence. Successful applicant will be principal investigator for natural language processing and will perform research in knowledge representation and text understanding. Functions include building a logic knowledge base, developing the requirements and system specs for a text generation system to convert logical representations in the base into English discourse (more than one sentence) for an Inference Machine Laboratory. Ph.D. in Linguistics with emphasis on Computational Linguistics required. Must be proficient with VAX, LISP, Symbols and Prolog and have good research and communication skills. Minimum of one year of experience required. Free benefit package. Will relocate. Salary $10,000 to $15,000. Send resume to Dept. of Employment & Training, 1123 N. Eutaw St., Baltimore, MD 21201. Refer to Job Order #5054806.

UNIVERSITY OF WISCONSIN-MADISON

FACULTY POSITIONS

The Department of Electrical and Computer Engineering invites applications for tenure and tenure-track faculty positions. A Ph.D. degree is required, and successful candidates are expected to participate in both teaching and research activities. Applicants in all areas of computer engineering are invited to apply, but the following areas are of special interest: computer architecture, computer applications, design automation, computer applications, design automation, VLSI circuit design, and engineering applications of artificial intelligence. Rank and salary will be commensurate with qualifications and experience. Send resume and names of three references to: F. G. Stremler, Chairman, Department of Electrical and Computer Engineering, University of Wisconsin-Madison, 1415 Johnson Drive, Madison, WI 53706, an equal opportunity/affirmative action employer.

CLEMSON UNIVERSITY

COLLEGE OF ENGINEERING

The College of Engineering at Clemson University is accepting applications for the position of Coordinator for Computer Services. Responsibilities will include: teaching fundamental courses in computer programming, attending, assisting in the specification/acquisition of hardware and software, and providing support to the faculty and students in the application of the computer to the instructional and research programs. Qualifications: M.S. or Ph.D. degree with at least one degree in engineering, 3-5 years experience in a comparable position at a university or industry, and demonstrated managerial experience. Salary commensurate with experience and qualifications. Send resume and supporting materials to: Dr. Walter E. Castro, Assistant Dean for Undergraduate Studies 113 Riggs Hall Clemson University Clemson, SC 29634-0901

Applications will be accepted until the position is filled. Clemson University is an affirmative action, equal opportunity employer.
The University of Maryland Institute for Advanced Computer Studies (UMIACS) was established in 1985 by Governor Harry Hughes. UMIACS resides on the University of Maryland College Park Campus with ready access to the vast scientific, industrial, and governmental communities in the metropolitan Washington D.C. area. UMIACS is intended to serve the entire University of Maryland system as a center for research activities in computing. Current research areas include parallel computation, artificial intelligence, software engineering, and computer systems.

A permanent Director is now being sought for UMIACS. The Director will have an unusual opportunity to guide the formation, development, and operation of this new Institute, and should be a person with exceptional research and administrative abilities.

UMIACS currently has 11 tenure-track or tenured faculty lines, and a substantial operating budget for faculty research support. Within three years, UMIACS will grow to thirty research faculty lines. These lines will be used for joint tenure-track appointments with other University departments as well as for permanent full-time senior appointments to the Institute with tenure to reside in an academic department.

Applicants for the UMIACS Directorship should have a Ph.D. in Electrical Engineer or Computer Engineering or Computer Science with one or more areas of specialization such as PSI/VLSI design, computer architecture, artificial intelligence, computational complexity, real-time computing, fault-tolerant computing, parallel processing or computer networks. Department has well-equipped laboratory for research in computer architecture, VLSI design, computer vision, and signal-and-image processing. Computing is supported by a DATA GENERAL MV 10000, VAX 11/780, Eclipse 5220, LSI-11 and a microcomputer laboratory, and on campus by an IBM 4381 mainframe and two PRIIME 9965 minicomputers.

Send a letter of application, resume, and 3 references by July 1, 1986 to: Professor G. Lengyel, Search Committee Chair, Assistant Professor, Electrical Engineering (080116) Position, THE UNIVERSITY OF MARYLAND, P.O. Box 357, Kingsville, MD 20881-0357. An affirmative action/equal opportunity employer m/f.

BARRETT LABORATORIES

SYSTEMS ANALYST: Analyze, create, design, code and document software applications for clinical laboratory testing, data flow, including hematology, coagulation, blood gas and urinalysis lab testing procedures. Knowledge or training in computer technology, structure and software engineering, development, DBMS programming and "C" language. BS or equivalent in Computer Science/Math. $2,082/mo. Job Site: Rancho Cordova, CA.Clip this ad and send with resume to Job #MA 1365, P.O. Box 9560, Sacramento, CA 95838 not later than 30 days from the date of this publication.

The University of Maryland Institute for Advanced Computer Studies (UMIACS) was established in 1985 by Governor Harry Hughes. UMIACS resides on the University of Maryland College Park Campus with ready access to the vast scientific, industrial, and governmental communities in the metropolitan Washington D.C. area. UMIACS is intended to serve the entire University of Maryland system as a center for research activities in computing. Current research areas include parallel computation, artificial intelligence, software engineering, and computer systems.

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Applicants for the UMIACS Directorship should send a complete, certified, curriculum vita, and names of four references to: Dr. Alex J. Dragt, Division of Mathematical and Physical Sciences and Engineering, University of Maryland, College Park, MD 20742. For full consideration, applications should be received by June 1, 1986. The University of Maryland is an equal opportunity, affirmative action employer.

THE UNIVERSITY OF RHODE ISLAND

Assistant Professor, Computer Engineering. Tenure track faculty position. Applicants must hold a Ph.D. in Electrical or Computer Engineering or Computer Science with one or more areas of specialization such as LSI/VLSI design, computer architecture, artificial intelligence, computational complexity, real-time computing, fault-tolerant computing, parallel processing or computer networks. Department has well-equipped laboratory for research in computer architecture, VLSI design, computer vision, and signal-and-image processing. Computing is supported by a DATA GENERAL MV 10000, VAX 11/780, Eclipse 5220, LSI-11 and a microcomputer laboratory, and on campus by an IBM 4381 mainframe and two PRIIME 9965 minicomputers.

Send a letter of application, resume, and 3 references by July 1, 1986 to: Professor G. Lengyel, Search Committee Chair, Assistant Professor, Electrical Engineering (080116) Position, THE UNIVERSITY OF RHODE ISLAND, P.O. Box 357, Kingsville, RI 02881-0357. An affirmative action/equal opportunity employer m/f.

FACULTY POSITIONS

COMPUTER SCIENCE AND ENGINEERING DEPARTMENT

AUBURN UNIVERSITY

AUBURN, ALABAMA

Applications are invited for tenure-track faculty positions as Assistant/Associate/Full Professor. A Ph.D. in Computer Science, Computer Engineering, Electrical Engineering or a closely related discipline is required. Areas of interest include Software Engineering, Distributed Computing, Computer Architecture, Artificial Intelligence, Knowledge Based Systems, System Software, Programming Languages and Data Base Systems. Several positions are open for the 1987 academic year. Salary and faculty rank are dependent upon experience and qualifications. Responsibilities include teaching courses at the graduate and undergraduate levels and research. The department offers Bachelor's degrees in Computer Science and Computer Engineering as well as the M.S. and Ph.D. An outstanding research program has been established in most of the above disciplines.

Applicants should submit a detailed resume and the names of 3 references to:

Charles R. Vick
Department Head
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SENIOR SOFTWARE ENGINEER

Design, implement and port communication protocol architectures such as CCIT X.25, X.28, X.29, Xerox network systems architecture and open systems interconnection to M68000 processor-based hardware configurations for UNIX* operating system environment, etc. M.S. or equivalent in Electrical Communication Engineering or Computer Science, 1-2 years experience in computer network engineering. Experience in software development for design and implementation of communication protocols including CCIT X.25, X.28 and X.29 for computer networking in UNIX O.S. for M68000 microprocessor-based architecture. Also experience with ethernet (LAN) system architecture and open system interconnection architecture, and working knowledge of C and Assembly languages. $3400/mo; 40 hrs/wk. Job site in San Jose, CA. Must have legal right to work. Clip ad and send with resume to: Job Order Number MLU #00246, P.O. Box 9560, Sacramento, CA 95823-0560. *UNIX is a registered trademark of AT&T Bell Laboratories. Applicants must respond by May 22, 1986.

THE UNIVERSITY OF ALBERTA
DEPARTMENT OF COMPUTING SCIENCE

The Department of Computing Science is undergoing an extensive expansion in research initiatives. Applications are invited for four tenure-track positions at the Assistant Associate Professor level. Responsibilities include research as well as teaching at the graduate and undergraduate levels. Candidates from all areas will be considered. Current hardware support includes an Amdahl 5860, a network of VAX 11/780's, and well equipped mini and micro computer laboratories for graphics, VLSI and AI research. Access to a Cyber 205 is available. Salary range is $33,316 to $48,970 and is commensurate with qualifications and experience. Send curriculum vitae, names of three references, and up to three reprints or papers. New Ph.D's should also include a copy of their transcript. Apply to: Dr. Lee White, Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, T6G 2H1. Applications will be accepted until May 31, 1986. The University of Alberta is an equal opportunity employer.

CARLETON UNIVERSITY
ELECTRICAL ENGINEERING
COMPUTER ENGINEERING

Applications are invited for tenure track, term or visiting appointments at the lecturer and assistant/associate professor levels. Duties will include teaching and research at the undergraduate and graduate levels in areas such as microcomputer applications in automatic control or communications, real-time programming, microprocessor hardware and architecture, and computer design. A strong hardware/software background is required. The department's computing facilities include, in addition to the university's mainframe, an Ethernet-based LAN consisting of a VAX 11/750, SUN 68000s, many PDP 11s, 8086s, and an Intel development system network. Applicants should have a Ph.D. degree or equivalent in electrical engineering or a related discipline. Registration as a professional engineer would be an advantage. In accordance with Canadian government requirements, this advertisement is directed to Canadian citizens and permanent residents, however, others may be eligible. The positions are open to both men and women and are subject to budgetary approval. Send a curriculum vitae and names of references to: Dr. B.A. Bowen, Chairman, Department of Systems and Computer Engineering, Carleton University, Ottawa, Canada K1S 5B6.

DAHLGREN CHAIR
COMPUTER SCIENCE
VIRGINIA TECH

Applications and nominations of distinguished computer scientists are sought for the John Adolphus Dahlgren Chair, created in the Department of Computer Science at Virginia Tech through a research agreement with the U.S. Navy. The Chair provides unique opportunities for large-scale research projects through the university's multidisciplinary Systems Research Center. Candidates with distinguished records in research and scholarship are sought who can exercise a leadership role among the 20 computer science faculty and also provide guidance to research programs pursued by Naval laboratories. Candidates are particularly sought who have expertise in software engineering, artificial intelligence, distributed processing systems, human/computer interaction, and/or performance analysis. To submit applications or nominations, or for additional information, contact Dr. Dennis Kafura, Dahlgren Chair Search Committee, Department of Computer Science, Virginia Tech, Blacksburg, VA 24061 by mail; (703) 961-6931 by phone; or kafura@vpi by CSNET. The search will continue until the position is filled at Virginia Tech is an equal opportunity/affirmative action employer.

TEMPLE UNIVERSITY
FACULTY POSITIONS

The Department of Computer and Information Sciences has tenure-track and adjunct faculty positions available for exceptional people at the Associate and Assistant Professor levels, in all areas of computer science. Applicants should hold the Ph.D. degree in Computer Science, Information Systems, or a closely related field. Ability to contribute to strong instructional and research programs, both undergraduate and graduate, will be the primary requisite for appointment. Salary and rank will be determined by the appointee's experience. An applicant for a senior position should have a strong record of scholarly achievement, while an applicant for an assistant professorship should present evidence of research potential. The Computer Science Department offers programs leading to the Bachelors, Masters and Ph.D. degrees in Computer Science and in Business Administration/Information Science. A networked departmental computing facility includes a VAX-11/780, VAX-11/750, 10 microVAX II workstations, and 10 microVAX I workstations. The facility also includes an AT&T 3B2, TI Explorer, an image processing laboratory, several PDP-11 based timesharing systems, and an instructional laboratory, consisting of a large number of PDP-11 and LS11 computer systems. Available University facilities include a CDC 750, an IBM 3081, an IBM 4381 and several microcomputer laboratories. Temple University is an Equal Opportunity/Affirmative Action Employer. Minorities and women are encouraged to apply. To apply, submit vitae, bibliography, and to: Eugene Kwasty Chairman of Faculty Search Committee Department of Computer and Information Sciences Temple University Computer Activities Building, 038-24 Philadelphia, PA 19122 (215) 898-9345

OREGON STATE UNIVERSITY

The Department of Computer Science invites qualified applicants for assistant, associate and full professors, tenure-track and visiting. Specialization in programming languages, operating systems, artificial intelligence, information based systems, theoretical computer science, computer systems organization, or computer graphics is desirable. Applicants should have completed or expect to complete all requirements for a Ph.D. in computer science or a closely related field, and should have demonstrated research and teaching potential. Candidates for senior positions should have an established research reputation. Please send resume, including the names of three references, to Walter G. Rudd, Chairman, Department of Computer Science, Oregon State University, Corvallis, OR 97331.

Oregon State University is an Equal Opportunity/Affirmative Action employer and complies with Section 504 of the Rehabilitation Act of 1973.

PROFESSIONAL SERVICES
CONSULTANT ANALYST

Conducts logical analyses of business procedures and problems using the advanced techniques of structured analysis and design. Should have expertise in structured designs of alternative solutions by computer. Specifies detailed logical and mathematical operations to be performed by equipment units and computer programs. Tests system adequacy and prepares system documentation for implementation. Must have Bachelor of Science or Arts degree and 4 years of related experience in systems analysis and design with direct involvement in the development of at least 3 application areas or systems. Must have knowledge of techniques of structured analysis. Salary to $36 K p.a. Job site Los Angeles. Send this ad and resume to Job #AT-5777. P.O. Box 9560, Sacramento, CA 95823-0560 not later than May 31, 1986.

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