RATES: $5 per line, $50 minimum charge (up to ten lines). Avail: six lines per page, nine lines per column inch. Add $5 for box number. Send copy at least six weeks prior to month of publication to: Barbara Cunningham, Classified Advertising, COMPUTER Magazine, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

To allow sufficient time for distribution of the magazine, schedule your job announcement deadlines at least three weeks after issue date (e.g., deadline of July 21 to send applications responding to ad appearing in July 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.

Chairperson, Department of Computer and Information Science
THE OHIO STATE UNIVERSITY

Nominations and applications are invited for an outstanding individual to chair the Department of Computer and Information Science in the College of Engineering at the Ohio State University beginning Autumn Quarter, 1983. The position carries a 12-month faculty appointment, and the applicant should possess the qualifications for the rank of full professor. The department has about 27 (full-time equivalent) faculty members and full-time teaching staff, has a strong research program and is active in sponsored research on a broad front. There is also a commitment to quality instruction at the BS, MS, and PhD levels.

Candidates should have a well-established reputation in research and scholarship, a good understanding of the broad spectrum of computer and information science, ability to promote active research and quality teaching, and some administrative experience.

Send nominations and applications, on or before February 1, 1983, to:
Tse-yun Feng
Dept. Chairperson Search Committee
Dept. of Computer and Information Science
The Ohio State University
2036 Neil Avenue Mail
Columbus, OH 43210
Phone: (614) 422-1408

THE OHIO STATE UNIVERSITY IS AN EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER.

CALIFORNIA INSTITUTE OF TECHNOLOGY
Department of Computer Science

Caltech invites applications for several full-time faculty positions, tenured and tenure-track, at all levels, from persons with exceptional records and promise of innovative research and teaching. Our young department seeks to strengthen and broaden its research and teaching program. Our present emphasis is on concurrent computation and VLSI into computer science, particularly in theoretical computer science. Caltech has highly selected students, excellent facilities, and competitive faculty salaries. Please send a resume, list of publications, copies of your best publications, and names of at least three references to:

Computer Science Search Committee, Caltech 256-80, Pasadena, CA 91125. Equal opportunity and affirmative action employer.

ROBOTICS/CAD/CAM FACULTY
UNIVERSITY OF ILLINOIS AT CHICAGO

The College of Engineering invites applications for two tenure, tenure-track or visiting faculty positions which could begin in June 1983, or earlier. Candidates should have a PhD or equivalent in an area closely related to robotics/CAD/CAM. There are excellent opportunities for research in the newly formed Robotics Research Laboratory. The laboratory has 11 faculty members associated with this research field in the areas of Bioengineering, Computer Science, Electrical, Industrial, Mechanical and Systems Engineering. It is expected that the successful candidate will develop and continue a strong research program, and participate in both undergraduate and graduate teaching. The appointment will be in one of the six departments comprising the College, and rank and salary will be commensurate with qualifications. Please send a detailed resume, sample publications, a statement of research interests and a list of at least three referees, by February 28, 1983 to: Dr. James C. Lin, Professor and Director. Robotics Research Laboratory, University of Illinois at Chicago, Box 4348, Chicago, IL 60680. University of Illinois at Chicago is an Equal Opportunity Affirmative Action employer.

UNIVERSITY OF PORTLAND
Electrical/Computer Engineering faculty position at the University of Portland, a small private institution located in the beautiful Northwest. Rank open. Specializations in computer hardware, software, VLSI design, electronics, power, or semiconductors. To teach undergraduate and graduate courses, participate in curriculum and laboratory development, and contribute to the profession by research or consulting. We have excellent facilities and we reward quality undergraduate instruction. We are in a dynamic phase of development, and the new faculty members will contribute to this in an atmosphere of support, flexibility, and opportunity. We have strong ties with local industry and we encourage consulting. PhD is preferred, but consideration will be given to MS level candidates with industry experience. Send resume to: Dr. Robert J. Albright, School of Engineering, University of Portland, Portland, Oregon 97203. Equal opportunity/affirmative action employer.

UNIVERSITY OF RHODE ISLAND
Department of Electrical Engineering, URI invites applications for faculty positions in Computer Engineering and Optical Communications. The Department of Electrical Engineering at the University of Rhode Island invites applications from outstanding individuals interested in positions in (1) digital system, parallel processing and computer engineering, (2) microcomputer and microcomputer applications, (3) computer architectures, (4) MOS structure design and VLSI, and (5) optical communication and devices. Responsibilities include undergraduate and graduate teaching and research program development. The Department of Electrical Engineering offers BS, MS and PhD degrees, with doctorate options in Biomedical Electronics and Computer Electronics. Undergraduate enrollment is approximately 400, graduate enrollment is approximately 50, and the current faculty size is 20. Technical areas of notable strength within the Department are robotics, signals and systems, solid state optics, and multimedia. URI is located in scenic southern Rhode Island, within 1 1/2 hours of Boston and 3 1/2 hours to New York or train. Position begins Fall Quarter, 1983. Rank and salary consistent with qualifications. Send resumes to: Professor Louis Scharf, Chairman, Electrical Engineering, Kelley Hall, University of Rhode Island, Kingston, Rhode Island 02881. An affirmative action/equal opportunity employer.

GEORGIA INSTITUTE OF TECHNOLOGY

The School of Information and Computer Science invites applications for faculty positions at all levels. Applicants should have a commitment to teaching and should show a record of outstanding research accomplishment or expect to receive a PhD degree by December 1983 and show high potential for research. The School seeks applicants in all areas of Information and Computer Science especially in the areas of computer systems, artificial intelligence, VLSI, and data communications/computer networking. Very competitive salaries are offered.

The School is experiencing substantial growth which is well supported by the Institute. Currently there are 23 faculty and 200 Masters and PhD students. Strong research groups exist in distributed systems, theoretical computer science, and human factors. The School has unusually well-equipped computing facilities to support computer science research and education, with 12 mini-computers—5 PRIME's, a VAX 11/780, a PDP 11/45, an HP-1000, an HP-3000, and 3 IBM Series 1's. Machines and faculty offices are interconnected via a high speed local area network which also provides access to CSNET. Easy access is also available to Institute facilities for general computing (CDC CYBER systems and an IBM 4341). Georgia Tech is located in Atlanta, which experiences a mild sun-belt climate. It is the center of commerce in the Southeast, offering a diverse economy and good employment opportunities in all professional areas. Atlanta offers good educational opportunities in attractive residential neighborhoods, and affordable housing.

Candidates should send complete resumes and names of three references to:
Professor Raymond E. Miller, Director School of Information and Computer Science Georgia Institute of Technology Atlanta, Georgia 30332 (404) 894-3154

Georgia Tech is an equal opportunity employer.
Tenure-track positions are available in computer science and related fields. The university has a well-established undergraduate program and a Master's program. We are seeking individuals who will contribute to the further development of our graduate program in all areas, particularly in software engineering, AI, distributed processing, and biomedical applications. A PhD is required. Send resume to Professor Stanley G. Waymire, Director, Division of Mathematics, Computer Science and Systems Design, The University of Texas at San Antonio, San Antonio, Texas 78260.

California State University, Fullerton

The faculty of Electrical Engineering at California State University, Fullerton, seeks applications for tenure track positions at assistant professor level and for open lecturer positions starting in February 1983 and September 1983. Outstanding candidates may also be considered for associate professor level. Applicants should hold a Ph.D. in electrical engineering with specialization in computer science and digital systems. Candidates must indicate interest in tenure track or lecturer position of both. Send resume and three references before January 31, 1983, to: Dr. Mohinder S. Grewal, Chairman, Electrical Engineering Department, California State University, Fullerton, CA 92634. Applications accepted until positions are filled. CSUF is an AFFIRMATIVE ACTION/EQUAL OPPORTUNITY TITLE IX EMPLOYER.

Rice University—Applications are invited for a faculty position in the Computer Science Program at Rice University. Applicants should have a Ph.D. degree with a commitment to excellence in teaching and research. Candidates from all areas of Computer Science and Engineering will be considered. However, the program has a special interest in candidates with research experience in the areas of software engineering and parallel computing systems. Salary and rank will depend on qualifications. Rice University is an equal opportunity/affirmative action employer. Send resume to T. A. Ralston, Rice University, Electrical Engineering Department, Rice University, P.O. Box 1892, Houston, TX 77251.

The Ohio State University Department of Computer and Information Science

Applications are invited for tenure-track positions at levels of assistant and associate professor. Candidates from all areas of computer science are encouraged to apply. The Department has a good record in both theoretical and applied areas of computer science. Sponsored and experimental research is conducted in artificial intelligence (knowledge base systems), computer communications, computer graphics, databases systems, distributed systems, operating systems, parallel processing, programming languages and software engineering. Applicants should submit a resume and have three letters of reference sent to: Professor Tse-yun Feng, Chairman, Faculty Search Committee, Dept. of Computer & Information Science, The Ohio State University CA 220A, 2036 Neil Avenue Mall Columbus, OH 43210

The Ohio State University is an equal opportunity/affirmative action employer.

Department of Electrical Engineering, University of Rhode Island. Faculty positions in Robotics and Computer Integrated Manufacturing are available. The Department of Engineering at the University of Rhode Island invites applications for tenure track faculty positions. Applications are solicited from outstanding candidates with strengths in robotics and computer integrated manufacturing, pattern recognition and computer vision, and applied artificial intelligence. Responsibilities include undergraduate and graduate teaching and active participation in the Robotics Research Group at the University of Rhode Island. The Department offers BS, MS, and PhD degrees. Undergraduate enrollment is approximately 400, graduate enrollment is approximately 50, and the current strength within the Department is robotics, signals and systems, solid state optics, and materials. The University is located in scenic southern Rhode Island, within 1.5 hours to Boston and 3.0 hours to New York by car or train. Positions open immediately. Rank and salary commensurate with qualifications. Send resume to Professor Louis Scharf, Chairman, Electrical Engineering, Kelley Hall, University of Rhode Island, Kingston, Rhode Island 02881.

An affirmative action/equal opportunity employer.

Faculty and Visiting Positions University of Wisconsin–Madison

The Department of Electrical and Computer Engineering invites applications for tenure, tenure track and visiting faculty positions. A PhD degree is required and successful candidates are expected to participate in both teaching and research activities. Excellence in academic accomplishment and a productive research search is more significant than the particular area of specialization. However, the following areas are of special interest: Computer engineering, electronic circuit design, VLSI circuits, and robotics. Rank and salary will be commensurate with qualifications and experience. Send resume and names of three references to W. P. Birkemeier, Chairman, Department of Electrical and Computer Engineering, University of Wisconsin–Madison, 1415 Johnson Drive, Madison, WI 53706, an equal opportunity/affirmative action employer.

Norwich University

Computer Science Engineering, Tenure track positions. Rank and salary commensurate with experience. PhD desired, but will consider Masters with significant experience. Available 1 July, 1982. We are implementing a new Computer Science Engineering program. A new computer center and laboratories have been constructed to support this program. Equipment includes: VAX 11-780, PDP 11-70’s and numerous microcomputers. New faculty will assist in laboratory and classroom development. Expertise in any of the following areas is desired: Computer Architecture, Computer System and Network Design Operating Systems, Computer Languages, Interactive Graphics, Robotics, CAD/CAM and Artificial Intelligence. A strong commitment to undergraduate education is essential. Norwich University is located in an area of Central Vermont that offers small town or rural living, with good schools and outstanding recreational opportunities. Send resume and references to: Dr. John F. Van Domeelen, Head, Engineering and Technology Department, Norwich University, Northfield, VT 05663. Norwich University is an Equal Opportunity/Affirmative action employer.

University of North Carolina

The University of North Carolina at Charlotte has a small but well established computer science program. The department invites applications for tenure track positions in Computer Science for 1983-84. B26-36k. PhD in Computer Science preferred. PhD in related field and MS in Comp. Sci. or equivalent acceptable. UNCC seeks candidates with strong computer science background and interest in either software engineering or artificial intelligence. Applicants should have BS and MS in Computer Science and be familiar with the Microcomputer. The Department is located in a new facility adjacent to the University of North Carolina. Closing date Jan. 20, 1983 and every two weeks thereafter until positions are filled. Reply to Prof. J. Quinn, Dept. of Math., UNCC Charlotte, NC 28223. UNCC is an Equal Opportunity Employer.

THE UNIVERSITY OF TEXAS AT ARLINGTON

The Department of Computer Science and Engineering at The University of Texas at Arlington (UTA) invites your application for one of several tenure-track or visiting faculty positions in all areas of computer science and computer engineering. Preference will be given to persons with interests in operating systems, systems programming, computer graphics, and microcomputers. Candidates should have an earned doctorate or the equivalent and have a demonstrated commitment to both teaching and research. Assistant professor and associate professor positions are available. Our department offers the Bachelor of Science, and PhD degrees and currently enrolls over 900 students, including 180 graduate students. We currently have 16 full-time faculty members plus several part-time faculty. Our facilities include an IBM 3431 computer system, a DEC System 2060, time-sharing terminals in each faculty office, as well as numerous microcomputers and microcomputers. UTA is located on a modern 300-acre campus in Arlington, Texas, near the center of the Dallas/Fort Worth metropolitan area. Interested persons should send their resume and references to Professor Bill D. Carroll, Chairman, Computer Science and Engineering Department, P. O. Box 19015, The University of Texas at Arlington, Arlington, Texas 76019-0015. Deadline for applications to be considered for Fall '83 is March 15, 1983. The University of Texas at Arlington is an Equal Opportunity Affirmative Action Employer.

Wright State University

Applicants are invited for full-time tenure-track positions in Computer Science and/or Computer Engineering at all professional levels. The competitive salaries are determined by experience and qualifications. The state supported University is located in a high technology environment among industrial military research and development facilities. A state supported research park to foster basic and applied industrial/military research is under development. The University has singled out computer science/computer engineering as an area of highest priority for continued developmental funding. Department strengths include a large faculty, extensive laboratory facilities, research programs, industrial/military support, degree programs in both computer science and computer engineering, and a large student population at graduate as well as undergraduate levels. Successful candidates will display strong commitments to computer science/computer engineering and show a strong potential for successes and leadership in research. Please submit detailed resumes including names of referees to:

Dr. Larry A. Crum, Chairman Department of Computer Science Wright State University Dayton, OH 45435
CHAIR, University of Rhode Island. The Department of Computer Science and Statistics seeks applications for the position of Chair. The position requires a PhD in Computer Science or a closely related field and a record of excellence in research and teaching. The Chair is expected to have demonstrated experience in teaching, development of sponsored research, and leadership. An appreciation of statistics and statistical methodology is desirable. The Department offers BS, MS, and PhD degrees. The University of Rhode Island is located in scenic southern Rhode Island in close proximity to Atlantic beaches and Narragansett Bay. New York City is a 3-hour drive and Boston is within 1/2 hours. Consideration of applications will begin February 15, 1983, and will continue until a suitable candidate is found. Send vita, supporting materials, including future research plans, and names to: Dr. Nelson W. Derman, Department of Computer Science and Statistics, University of Rhode Island, Kingston, Rhode Island 02881. An affirmative action/equal opportunity employer m/f.

ROCHESTER INSTITUTE OF TECHNOLOGY
Faculty Position in Computer Engineering
The Department of Computer Engineering has an excellent tenure track faculty position available at the assistant/associate professor level. Applicants will be expected to teach courses in computer architecture, operating systems, computer graphics, robotics, algorithm design, and analysis. The position is in the area of computer science and statistics, with a particular emphasis on computer graphics and robotics. Applicants should send vita, research interests, and names of three references to: Dr. William J. Scheriber, Department of Computer Science and Statistics, University of Rhode Island, Kingston, Rhode Island 02881. An equal opportunity employer m/f.

Advanced Information & Decision Systems (AIDS) invites you to apply for research and programming projects in the Artificial Intelligence area of R&D. Join a growing employee-owned company working on hard problems in artificial intelligence, software technology, image understanding, information management, estimation and control, decision analysis, and signal processing. Help develop futuristic solutions to real problems, and design prototype systems to demonstrate these problem solutions. Work in a pleasant and exciting environment in the heart of the dynamic Bay Area. Positions are open in expert systems, hypothesis formation, user interfaces, information management, planning and control, distributed AI, and software technology. To find out more about these positions contact Gerry Wilson at (415) 941-3912 or send your resume to AIDS, 201 San Antonio Circle, Suite 286, Mountain View, CA 94040. An equal opportunity employer.

FACULTY POSITION
UNIVERSITY OF SASKATCHEWAN
Applications are invited for two tenure-track faculty positions at the Assistant Professor level (commencing Fall, 1983). Applicants should have a PhD in Computer Science or Computer Engineering (or should be nearing completion of this degree). Candidates from all areas of Computer Science or Computer Engineering are encouraged to apply. Responsibilities will include teaching at the undergraduate and graduate levels and research. Salary will be in the range of $20,000 to $30,000 depending on qualifications and experience. The University of Saskatchewan services approximately 13,000 students with a very attractive campus that overlooks the South Saskatchewan River in Saskatoon. A young, vigorous and expanding department of twelve provides BSc, B Comm, and MSc degrees in Computer Science. A PhD degree is offered on a special case basis. The Department has available some excellent research facilities featuring a VAX 11/750 running UNIX in addition to very good undergraduate facilities that are administered by Academic Computing Services. Please direct inquiries and applications to: Dr. P. G. Sorenson, Head, Department of Computational Science University of Saskatchewan, Saskatoon, Saskatchewan Canada S7N OW0 (306) 343-3783

PRIME COLORADO ACADEMIC POSITION
The University of Denver. Department of Mathematics & Computer Science is accepting applications for a senior academic position and two junior positions. The senior position will lead the expansion of the research program, recruit new faculty and direct the further acquisition of equipment and facilities for the Computer Science program. This position will also have a leading role in developing the curriculum. Salary is competitive; starting date is September, 1983. Advantages include: ■ Large independent university in the Rocky Mountain West. ■ Administrative mandate for continued department growth. ■ Key location in rapidly expanding high tech area. For details, please contact Stanley Gudder, Department Chair, (303) 753-2580, or James LaVita, Search Committee Chair, (303) 753-2594, University of Denver, Denver, Colorado 80208.

COMPUTER SCIENCE POSITION
Applications are invited for a probable full-time, tenure track position at the assistant or associate professor level in the Department of Software Engineering in the School of Science and Engineering at Seattle University beginning fall, 1983. Applicants are expected to have a strong background in theoretical aspects of computer science. Teaching assignments will be both in computer science at the undergraduate level and also in software engineering at the graduate level. Applicants are expected to possess a PhD in computer science or a related field. Substantial opportunities exist in the Seattle area for industrial consultation. Applicants should submit their resumes and transcripts, along with the names and addresses of three references, to Kyu Y. Lee, Director, Software Engineering Program, Seattle University, Seattle, WA 98122. Closing date for receipt of applications is February 1, 1983. Seattle University is an equal opportunity/affirmative action employer.

Texas Christian University
The Computer Science Department at Texas Christian University invites applications for a tenure track position for the 1983-84 academic year, contingent upon final budget approval. Salary and rank are negotiable. To be based on qualifications, which must include a PhD in Computer Science or a related field. The Computer Science Department at TCU requires a balance between teaching and research, and administers both a BS in Computer Science and a Masters in Software Design and Development. TCU is a private university of 6500 students in Fort Worth, Texas. Computer Science is a new department in the College of Arts and Sciences, and is expanding rapidly. Available hardware includes a VAX 11/780, and an IBM 4341 to be installed in the Spring. The Fort Worth-Dallas Metroplex provides excellent opportunities for consulting and professional development. Applications should provide a complete resume, including three references, to Dr. Kurt Schember, Chairman, Computer Science Department, Box 32866, TCU, Fort Worth, TX 76129, by March 1, 1983. TCU is an EEO/AA employer.
Software Engineers
Help Us Put Life Into Focus

New Developments

Promising Future

An Invitation

GE Medical Systems Operations
UNIVERSITY OF VICTORIA
Department of Computer Science

Applications are invited for two or three tenure-track positions at the rank of Assistant Professor to commence July 1, 1983. Applicants should have a PhD in Computer Science or equivalent research achievement. Preference will be given to applicants with research interests in the following areas: software engineering, computer architecture, programming languages, and computer networks. The Department offers graduate and undergraduate degrees in Computer Sciences and has an active research program supported by a VAX 11/780 and a PDP 11/44, micro-tubs with a variety of small systems, and the University's dualplex IBM 348 System. Applicants should send a curriculum vitae and the names of three references to:

Dr. David L. Parnas
Chairman, Search Committee
Department of Computer Science
University of Victoria
P.O. Box 1700
Victoria, B.C., Canada
V8W 2Y2

Applications will be accepted until February 1, 1983. Further information is available from the Department, 604-721-7220. The number of positions to be filled will be subject to the availability of funds. Canadian immigration regulations now require the University to assess applications from Canadian citizens and permanent residents of Canada before assessing applications from other persons.

PURDUE UNIVERSITY FAcULTY POSITIONS
Applications are invited for faculty positions in Electrical Engineering from qualified individuals who have a strong commitment to teaching and research. Qualifications include an outstanding academic record, significant involvement with a truly contributive research activity, and a Doctorate in Electrical or Computer Engineering. Areas of research specialization that are of particular interest are computers and microelectronics. Resumes should be directed to School of Electrical Engineering, Purdue University, West Lafayette, Indiana 47907. Immigration Status of non-US citizens should be stated in dossier. Purdue is an equal opportunity/affirmative action employer.

MICHIGAN STATE UNIVERSITY

The Department of Computer Science invites applications for tenure-track positions at the Assistant Professor level. Candidates from most areas of specialization in computer science or computer engineering will be considered. However, the department has a special interest in candidates in the areas of programming languages, theory of computation, data base systems, automated theorem and operating systems. Candidates should have a PhD in computer science or a related field and be expected to contribute to both the research and teaching programs. Applications will be accepted until the positions are filled. Applicants should send a resume, a statement of research plans, an indication of teaching interests and the names of three references to:

Dr. Harry G. Hedges, Chairman
Department of Computer Science
Michigan State University
East Lansing, Michigan 48824

Michigan State University is an Equal Opportunity/Affirmative Action Institution and encourages applications from women and from members of ethnic minority groups.

SYRACUSE UNIVERSITY

Computer Science
Department Chairman
BOSTON UNIVERSITY

Anticipating the creation of a separate Department of Computer Science, Boston University invites nominations and applications for the position of Department Chairman. Currently a division of the Department of Mathematics, the computer science faculty numbers twelve, and offers BA, MA, and PhD degrees. Development plans call for a substantial increase in faculty, major additions in equipment, and the occupying of quarters in a new science and engineering complex by 1983-84. This position offers an opportunity to develop a major computer science program in one of the principal centers of the nation's high technology industry. Salary competitive, and commensurate with qualifications. A PhD, and substantial accomplishments in teaching and research are required. Write

Dennis D. Berkey, Chairman
Department of Mathematics
Boston University
Boston, MA 02215

Boston University is an Equal Opportunity/Affirmative Action Employer.

SUNY Stony Brook.
The Department of Electrical Engineering, SUNY Stony Brook, invites applications for an assistant professor position. The appointment will be at the rank of assistant professor with tenure-track status. Candidates must have a PhD in electrical engineering and the ability to attract a substantial amount of research. The successful candidate must be able to produce substantial research results and to pursue research that is relevant to the engineering needs of the region. The successful candidate will be expected to develop an active research program and to seek external funding. The Department of Electrical Engineering at Stony Brook is committed to excellence in teaching, research, and the integration of research and education. The department has a strong commitment to diversity and to the development of a broad spectrum of research. The successful candidate will be expected to teach courses at both the undergraduate and graduate levels. The Department of Electrical Engineering currently has about 70 faculty members and about 350 graduate students. The Department is in close proximity to many of the nation's leading research institutions, including IBM, Bell Laboratories, AT&T, and Avco. Applications are invited from candidates with an interest in any area of electrical engineering, including but not limited to VLSI circuits and systems, microelectronics, and communications. Applications should include a statement of research interests, a photocopy of the candidate's CV, and the names and addresses of three references. Send applications to:

Dr. Stephen D. Shapiro, Chairperson
Department of Electrical Engineering
SUNY Stony Brook
Stony Brook, NY 11794

SUNY Stony Brook is an Equal Opportunity/Affirmative Action Employer.

SOFTWARE ENGINEERING DEPARTMENT HEAD

Applications are invited for the headship of the Department of Software Engineering at the University of Victoria beginning fall 1983. Applicants are expected to possess the PhD in computer science or a related field and to have extensive teaching, research, and professional experience in both theoretical and applied aspects of software engineering. The University of Victoria Software Engineering Department comprises about 100 masters candidates. The Department anticipates establishing a baccalaureate program in computer science as well, for which the new head would have primary responsibility. Substantial opportunities exist in the Seattle area for industrial consultation. Applicants should submit resumes and transcripts, as well as the names and addresses of three references, to:

Dr. James R. Clippinger, Chairman
Department of Computer Science and Engineering
Seattle, WA 98122

Closing date for receipt of applications is February 1, 1983.
UNIVERSITY OF CALIFORNIA BERKELEY

The UNIVERSITY OF CALIFORNIA AT BERKELEY invites applications for one or more tenure-track faculty positions in COMPUTER SCIENCE. Applications for the ASSISTANT PROFESSOR level will receive highest preference. The Computer Science Division of the Department of Electrical Engineering and Computer Sciences is experiencing a healthy growth in facilities and resources, and would like to complement its expertise in the area of experimental computer science, hardware and software. We are interested in outstanding candidates in all fields of Computer Science, but have particular needs in ARTIFICIAL INTELLIGENCE, GRAPHICS, and COMPUTER ARCHITECTURE AND HARDWARE.

The Computer Science Division provides a dynamic and exciting research and teaching environment. Facilities for research include seven VAX 11/780's and twelve VAX 11/750's, with more expected. Teaching facilities include seven PDP 11/70's, one VAX, and an IBM 4341.

Applications should have a doctoral degree and demonstrated research accomplishments. Some teaching experience would also be desirable. Send resume and names of three references by March 1, 1983, to:

Professor Carlo H. Sequin
Associate Chairman, CS Division
EECS Department
U.C. Berkeley
CA 94720

The University of California is an Equal Opportunity, Affirmative Action employer.

EASTERN MICHIGAN UNIVERSITY
DEPARTMENT OF MATH AND COMPUTER SCIENCE

Applications are invited for two tenure track faculty positions in Computer Science, PhD in Computer Science, or PhD in Mathematics or closely related field with substantial computer science background is required. The department offers a well established computer science program and seeks candidates to teach upper division courses and to participate in the development of a masters degree program. Positions start Sept. 1983. Rank open. E.M.U. is located close to Ann Arbor and Detroit in an area with opportunities in automotive and computer fields. Application deadline is Feb. 28, 1983. Request application from Chair, Search Committee for Dept. of Math and Computer Science, Faculty Position in Computer Science, E.M.U., 112 Welch Hall, Ypsilanti, MI 48197 or call (313) 487-3430. Affirmative Action/Equal Opportunity Employer and Educational Institution.

ILLINOIS STATE UNIVERSITY
Information Systems/Computer Applications

Tenure track faculty positions for Aug. 83 in an information systems/computer applications program. Areas: All considered. Special interest in structured analysis and design, on-line systems/data comm. software engineering. Qual: PhD and computer experience or MS and industry experience. Commitment to teaching and application driven research. Ability to relate to application areas (esp. Business, Education, Math) desired. Closing date: March 15, 1983. Send resume and letter to: Contact: Dr. M. Powers, Chm, Applied Computer Science Department, Illinois State University, Normal, IL 61761.

Equal Opportunity/Affirmative Action University

FULL PROFESSORS
ASSOCIATE, ASSISTANT PROFESSORS

Applications are invited for eight tenure-track faculty positions in computer science. Candidates from all areas of computer science will be considered. Applicants with significant research records or potential in programming language design and implementation, software engineering, development and application of VLSI systems, data base systems, operating systems, artificial intelligence, and graphics are especially desired. The state of Arizona, the University and the Phoenix area industries are committed to developing a research program of excellence in computer science at ASU. New faculty are being recruited to guide this development and will be expected to play an active role in the design of a unique research facility at Arizona State. The University is located in the Phoenix metropolitan area which provides outstanding research and consulting opportunities in the electronics and computer fields. Salary offers will be competitive. The Computer Science Department has two VAX 11/780's, a Honeywell 600 Multics system, two Harris 800's, and a state of the art microprocessor laboratory. An IBM 3081 and PDP 11/70's are also available for instruction and research. Please send resume, research program, a brief statement of teaching duties, and names of three referees. Mailing address: Chair Action/Equal Opportunity/Title IX Employer

Research Assistant Professor
UNIVERSITY OF FLORIDA

The Department of Computer and Information Sciences invites candidates with a recent PhD degree in Computer Science or a closely related field to apply for a one-year research opportunity. During this year, the successful candidate will pursue his or her own research at the University of Florida while being released from teaching duties. After the first year, the position will be converted to a normal academic appointment involving both teaching and research. Specialization in computer graphics, CAD/CAM, or automation is preferred, but other areas will be considered. The position will have a competitive salary and usual university benefits. Start August 1983 or before. Request deadline is February 28, 1983 or until position is filled. Contact: Chairman, Search and Screening Committee, CIS Department, 512 Weil Hall, University of Florida. Gainesville 32611, 904/392-2371

An Equal Opportunity/Affirmative Action Employer

PhD Computer Science

Requirements specialization in parallel computing and parallel processing system design and theory with strengths in one of these additional areas: microprocessor testing, specialized data base machines, logic simulation, authentic test generation, automated aids to microcode development and verification. A working knowledge of the UNIX operating system and the C language would be beneficial. This is a research and development position requiring technological currency. SALARY RANGE: $40,700-$43,000 annually. Please reference Room 105.

If interested, please write including resume, transcripts and specific room number to: MS. L.H. SCHRIEBER, Western Electric, Engineering Research Center, P.O. Box 900, Princeton, New Jersey 08540.

FACULTY POSITIONS

COMPUTER & INFORMATION SCIENCE

Applications for Spring or Fall, 1983, are invited for all tenure-track ranks. A PhD in Computer Science or a related discipline is a requirement for professorial rank. Special lecturer positions are open for persons who are currently pursuing doctoral degrees or who have demonstrated experience in computing. The Computer & Information Science Dept. at NJIT offers degrees through the PhD. Applicants must be able to teach undergraduate and graduate courses and should be committed to participating in research and developing their own research interests. Reduced teaching load is available during the academic year and support during the summer to those involved in research.

Please send resume to: Personnel Dept., Box CIS

New Jersey Institute of Technology
323 High Street
Newark, New Jersey 07102

An Equal Opportunity/Affirmative Action Employer M/F/H
CHAIR POSITION IN COMPUTER SCIENCE
UNIVERSITY OF WASHINGTON

Our department seeks applications and nominations for the position of Chair. We seek applicants to have a record of commitment to research and teaching, and an excellent record of research in some field of computer science. Applicants should have a keen interest in leading an excellent department during a period of expansion. Salary is open and competitive. The Department currently consists of about fifteen faculty, one hundred graduate students, and one hundred undergraduate majors. We have particular strengths in theory, programming languages, and systems, and are conducting group research in the areas of locally distributed systems and VLSI design. Please send a letter of application, a resume, and the names of four references to Prof. Paul Hodge, Dept. of Astronomy, FM-20, Univ. of Washington, Seattle, Washington 98195. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

FACULTY POSITION IN COMPUTER SCIENCE
UNIVERSITY OF WASHINGTON

Our department seeks applications for faculty members at the assistant, associate, and full professor levels. We expect applicants to have a commitment to research and teaching, and a record of research accomplishment commensurate with their level. We are open to applicants from all fields in our key areas of interest. Salary is open and competitive.

The department currently consists of about fifteen faculty, one hundred graduate students, and one hundred undergraduate majors. We have particular strengths in theory, programming languages, and systems, and are conducting group research in the areas of locally distributed systems and VLSI design. Please send a letter of application, a resume, and the names of four references to Prof. Jean-Loup Baer, Dept. of Computer Science, FR-35, Univ. of Washington, Seattle, WA 98195. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

TEXAS A&M UNIVERSITY

Applications are invited for tenure-track faculty positions in computer engineering and related sciences at the level of Professor or Associate Professor. Applicants should hold a PhD in computer science or a related discipline. Salary is subject to negotiation.

Applications should include a Curriculum Vitae and the names of three persons for reference. Send applications by February 15, 1983 to: The Search Committee, Computer Science, c/o Coralee Bartley, Administration Bldg., Carleton University, Ottawa, Ontario K1S 5B6. In accordance with Canadian immigration requirements, preference will be given to Canadian citizens and permanent residents of Canada.

RUTGERS UNIVERSITY, CAMDEN CAMPUS

Three Computer Science positions available for Fall 1983: (1) Tenure-track Assoc. Asst. Prof. to teach primarily evenings. Interest in business applications preferred. (2) Tenure-track Asst. Prof. to teach introductory courses. (3) One-year visiting Assoc. Asst. Prof. to instruct and teach day courses. All positions require excellence in teaching and strong research interests. Tenure positions require PhD in computer science or related field and U.S. permanent residence. Instructorship requires MA. Competitive salary/excellent facilities. Please send vita and three letters of recommendation to: Prof. Steven Minsker, Department of Mathematical Sciences, Rutgers, The State University, Camden, N.J. 08102. Rutgers is an EO/AA employer.

PACIFIC LUTHERAN UNIVERSITY

The Department of Math & Computer Science expects to have a tenure-track faculty position in computer science starting in September, 1983. Teaching will include a variety of courses and opportunities for consultations with local industry. The position is subject to funding and not necessarily required. Candidates should have a PhD in Computer Science. Direct inquiries by March 1, 1983 to: N. C. Meyer, Chair. Department of Mathematics and Computer Science, Pacific Lutheran University, Tacoma, WA 98447. EOAA employer.

FACULTY AND RESEARCH POSITIONS
IN COMPUTER SCIENCE

The University of Calgary, Department of Computer Science is a growing department. We are seeking to fill a tenure-track position with new vacancies for academically qualified staff at all levels. Applicants should have a strong computer science background. Both academic and industrial experience will be considered with stress placed on proven research and teaching ability.

The Department of Computer Science at The University of Calgary has the largest academic Multics installation in the world. Several faculty, research associate, or joint positions are now available, as well as positions for software systems projects and programs. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents. Inquiries and applications, the latter to include a curriculum vitae and the names of three referees, should be sent prior to February 15, 1983, to:

Dr. Brian W. Unger, Coordinator
Software Research & Development Group

The University of Calgary

The University of Calgary
2500 University Drive N.W.
CALGARY, Alberta T2N 1N4

UNIVERSITY OF MISSOURI-COLUMBIA

Applications are invited for the tenure track position of Assistant or Associate Professor in Computer Science. Applicants must have a PhD in Computer Science or a related field and a strong commitment to teaching and research.

Send credentials and names of three references before March 15, 1983 to:

Dr. Donald R. Shurtleff, Chairman
Department of Computer Science
University of Missouri
Columbia, MO 65211

AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER

THE UNIVERSITY OF TEXAS AT DALLAS

Several Faculty positions available in Computer Science. Rank open (Assistant Professor to Professor). Visiting positions may also be available. PhD in Computer Science or equivalent required. Candidates for senior tenured positions must have a strong publication record; applicants for a non-tenured position should demonstrate promise of future research activity. Responsibilities include research, teaching, and direction of PhD dissertations. The Program's computing equipment includes a VAX 11/780 and several minicomputers dedicated to research. The University's equipment includes two IBM 4341's. A new large hardware lab has just been installed. Currently the Computer Science faculty has seven members. Induction of new faculty positions is requested, but not required. Resume with a list of references should be sent to:

Academic Search #250
The University of Texas at Dallas
P.O. Box 888
Richardson, TX 75080

The University of Texas at Dallas is an Affirmative Action/Equal Opportunity Employer.

COLORADO STATE UNIVERSITY has tenure track positions at all ranks in Computer Science. Candidates need a PhD from a strong program or equivalent. The University is seeking candidates who can support the background in core areas of computer science. Area of research specialization is open. Specific needs exist in hardware, architecture, graphics, data bases, computational complexity, and parallel computing to complement the department's research focus in concurrent computing. Department faculty have duties in teaching, research, and service. Applications are invited for a position at the rank of Assistant Professor. The University is located in Fort Collins, a small city in northern Colorado. The University has two CYBER 720's and a CYBER 205 two pipeline vector supercomputer. The department has a VAX 11/750, numerous microcomputers, and access to a Denelcor HEP multiprocessor system. CDC has located its Center for Applied Vector Technology on campus.

Fort Collins is a growing community of 75,000 located along the foothills of the Rocky Mountains, 60 miles north of Denver. It has a moderate climate with less than 15 inches of precipitation per year, an active cultural life, and year round outdoor activities.

Send resume and names of three professional references to: Dr. Robert Kelman, Chairman, Department of Computer Science, Colorado State University, Fort Collins, CO 80523. Preferred starting date is August 15, 1983. Applications will be reviewed March 1, 1983. If suitable candidates are not found, search will be extended. CSU is EO/AA employer.

E. O. Office: 314 Student Services Building