ROCHESTER INSTITUTE OF TECHNOLOGY
School of Computer Science and Technology

Tenure-track faculty positions, Assistant or Associate Professor, available Sept., PhD or Master's (with professional experience) degree in CS or related discipline required. Environment is primarily undergraduate, with graduate (MS) teaching in the areas of Systems Software, Computer Architecture, and CS theory with opportunities for applied research and consulting. The School's computing facilities include 2 VAX-11 and 3 PDP-11 (UNIX based) network driving over 200 work stations in 5 specialized student laboratories and all faculty offices. Send resume to: Wiley McKinzie, Director, School of Computer Science and Technology, 1 Lomb Memorial Drive, Rochester, N.Y., 14623. R.I.T. 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 Parallel Computing, Languages, Computer Architecture, Design of Computer Systems and Networks, Parallel Computation, and Computational Complexity. Operating Systems and Data Flow Machines. Candidates should have a PhD in Computer Science or Computer Engineering and will be expected to contribute to both the research and teaching programs. Applications will be reviewed 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, Chairperson
Department of Computer Science
Michigan State University
East Lansing, Michigan 48824-1042

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

FACULTY POSITIONS, UNIVERSITY OF SANTA CLARA

Applications are invited for two tenure-track positions in Computer Science, available in September 1984. One position is in the area of Database Systems. Applicants for the other position should have qualifications in one or more of the following areas: Computers, Programming Languages, Artificial Intelligence, Computer Graphics or Computer Architecture. Rank and salary are open. All applicants should have a PhD in Computer Science. A strong commitment to teaching, curriculum development and research is required; industrial experience is desired. The University of Santa Clara is located in the middle of the Silicon Valley and summer support by local industry can be arranged. Send resume and names of at least three references to Professor R. Danielson, Department of Electrical Engineering and Computer Science, University of Santa Clara, Santa Clara, CA 95053.

An Equal Opportunity/Affirmative Action Employer.

DUKE UNIVERSITY
Department of Computer Science

The Duke University Department of Computer Science, a 1983 recipient of an NSF CER Grant, has tenure-track positions available at all ranks. Applications are solicited from all areas of Computer Science, but preference will be given to applicants whose research focuses on either VLSI, especially algorithmic aspects, or Computer Systems Performance. The Department currently has 11 tenure-track faculty, approximately 300 undergraduate majors, and roughly 50 graduate students pursuing master's and/or doctoral degrees. The Department has major research efforts in Artificial Intelligence, Computer Systems Performance, Medical Applications (in collaboration with the Duke Medical Center), and VLSI (in collaboration with the Microelectronics Center of North Carolina, of which Duke is a Participating Institution). Duke University is an affirmative action, equal opportunity employer. Please send detailed resume to:

Professor Arnold L. Rosenberg
Department of Computer Science
Duke University
Durham, NC 27706
Applications are invited for faculty positions at The Ohio State University Department of Computer and Information Science. The department has about 27 (full-time equivalent) faculty members and additional teaching staff. A strong research record and a demonstrated commitment to teaching and service are required. The department has an opening in Digital and Computer Communication. Qualifications: PhD with established research competence or potential. Rank and salary commensurate with qualifications and academic or industrial experience. The Department has a VAX 11/750, a PDP 11/24, and access to UNIVAC 1100 and IBM 4341. Please forward resume to: Chair, Computer and Electrical Engineering Department, UNIVERSITY OF MIAMI, Box 248294, Coral Gables, FL 33124. An Affirmative Action Equal Opportunity Employer.

Emporia State University invites applications from one or more tenure-track appointments at rank of Assistant or Associate Professor, PhD in Mathematics, Computer Science, or Statistics. The Department of Mathematics and Statistics offers courses in a wide variety of areas and is committed to excellence in teaching and research. Qualifications: Ph.D. in Mathematics or related field. Rank and salary commensurate with qualifications. Send letter of application, three letters of recommendation, and a curriculum vitae to: Chair, Department of Mathematics and Computer Science, Emporia State University, Emporia, Kansas 66801. Applications deadline: April 15, 1984. An Equal Opportunity Employer.

The University of Texas at San Antonio, Electrical Engineering, is seeking candidates for tenure-track positions at the Assistant and Associate Professor level in the areas of Digital and Computer Engineering Systems Design, Microelectronics, Electronics, Computer Systems, and Power Systems. Applicants should submit a resume and names of three references to: Professor Etan Gurari, Department of Computer and Information Science, The Ohio State University, 2063 Neil Avenue Mall, Columbus, Ohio 43210.

UNIVERSITY OF MIAMI—Department of Electrical and Computer Engineering has open faculty positions. Areas of interest are: Computer Architecture, Computer Graphics, Distributed Processing, Operating Systems, and Software Engineering. The department has an opening in Digital Computer Communication. Qualifications: PhD with established research competence or potential. Rank and salary commensurate with qualifications and academic or industrial experience. The Department has a VAX 11/750, a PDP 11/24, and access to UNIVAC 1100 and IBM 4341. Please forward resume to: Chair, Electrical and Computer Engineering Department, UNIVERSITY OF MIAMI, Box 248294, Coral Gables, FL 33124. An Affirmative Action Equal Opportunity Employer.

The Electrical Engineering Department at West Virginia University has faculty positions available for 1983-84 or later in the areas of Digital and Computer Engineering Systems Design, Microelectronics, Electronics, Computer Systems, and Power Systems. (Applicants are requested to identify their field of interest in their cover letter or transmittal of curriculum vitae.) Salary and rank will be commensurate with qualifications. Positions will be tenure-track. Applicants must have the PhD, potential for high quality teaching and will be expected to initiate research and participate in departmental research projects. Curriculum vitae should be sent to: Dr. Ronald L. Klein, Professor and Chair, Department of Electrical Engineering, West Virginia University, Morgantown, WV 26505. Applications must be received by March 31, 1984. WVU is an affirmative action/equal opportunity employer.

UNIVERSITY OF COLORADO AT DENVER/UCD—Leadership Positions and Other Faculty Openings in Electrical Engineering and Computer Science

Expansion of graduate and undergraduate programs in computer science and in electrical engineering at UCD has resulted in faculty openings at entry through leadership levels in both disciplines starting in the summer or fall of 1984. The department has particular interest in candidates for election to two leadership positions. Faculty are elected to chair department and to the role of associate chairperson for four year terms. An applicant at any level must hold an earned doctorate, share our emphasis on professional and graduate education, and be competent to teach and to conduct research in Computer Science (Programming Languages, Operating Systems, Software Engineering); Computer Engineering (Computer Architecture, Interfacing, Digital Electronics); or Electrical Engineering (Communications Systems, Control Systems, Electric Power). Rank and salary will depend on qualifications. The Department of Electrical Engineering and Computer Science (formerly named Electrical and Computer Engineering) is one of twelve departments in the multidisciplinary College of Engineering and Applied Sciences and is part of the University’s growing urban campus in Denver. Send resumes with names, addresses, and phone numbers of four references to: William D. Murray, Chairman, Electrical Engineering and Computer Science, 1100 14th Street, Denver, Colorado 80202. Non-citizens should identify the nature and status of their visas. The search for candidates for positions is currently active and applications will be considered until positions are filled. The University of Colorado at Denver is an Affirmative Action/Equal Opportunity Employer.

The Department of Electrical and Computer Engineering at The University of California, Davis, invites applications for several tenure-track faculty positions. With the formation of the new Computer Science Department in this year, the Department is growing rapidly and has been allocated a number of new positions. We are looking for Dynamic Faculty with strong research records and ambitious plans.

UNIVERSITY OF CALIFORNIA, DAVIS—Faculty Positions in ELECTRICAL AND COMPUTER ENGINEERING

- Electronics and CAD
- Robotics and Control Engineering
- Microwave Engineering and Microwave IC
- Computer Engineering and Microprocessor
- Digital System Design
- Signal and Image Processing and Pattern Recognition
- Computer System Engineering

COMPUTER SCIENCE DIVISION

- Programming Languages and Compilers
- Computer Architecture
- Digital System Design
- Computer Communications and Networks
- System Software and User Interface

CANDVSLI Software

Positions are available at all ranks. Higher level appointments require outstanding records. Research potential or achievement, interest and ability to attract external research funding, and a strong commitment to teaching are sought from all candidates.

 Candidates must have a PhD or equivalent. Positions are available immediately and are open until filled. Send resumes, copies of recent publications, and names of professional references to: PROFESSOR V. RALPH ALGhazi, CHAIR, DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING/COMPUTER SCIENCE, UNIVERSITY OF CALIFORNIA, DAVIS, CA 95616 (916) 277-2983.

THE UNIVERSITY OF CALIFORNIA, DAVIS IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

COMPUTER SCIENCE. Montana College of Mineral Science and Technology is seeking applicants for tenure-track faculty position teaching upper division computer science courses. BS Computer Science Program in the Department of Mathematical Sciences. PhD in Computer Science is required. Rank will be at the Assistant or Associate level with a salary competitive with deposits on experience and credentials. Computing resources include a VAX 11/782, a PDP 11/70, several 1102s and an 11/23. Montana Tech is a small minerals industry-oriented university situated in the scenic area of the high Rockies between Yellowstone and Glacier National Parks. About 1000 students attend the college. Interested individuals should send letter of application, resume, copies of graduate transcripts, and the names of three references to the Vice President for Academic Affairs, Montana College of Mineral Science and Technology, Butte, MT 59701. An Affirmative Action/Equal Opportunity Employer.
WANG INSTITUTE OF GRADUATE STUDIES
School of Information Technology
Software Engineering Professionals

Faculty applications are being accepted from software engineering professionals having technical skills in areas such as academic, and industrial software design, implementation, and management experience. One-year visitors are also sought. Expected duties include teaching, closely interacting with students, supervising production-quality software development projects and participating in curriculum development for the School's Master of Software Engineering degree program.

The Wang Institute is located near the heart of Boston's high tech corridor and offers a unique environment for academic and professional growth. Instructional and research facilities include a VAX 11/780, a Prime 750, a Wang VS 100, Apollo DOMAINS, color graphics and local network.

Qualified applicants should submit the names of three references and resume stating professional speciality areas and past software development or management efforts to: Faculty Search Committee, Wang Institute of Graduate Studies, Tyng Road, Tyngsboro, Massachusetts 01879.

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, 1984. The position carries a 12-month faculty appointment, and the applicant should possess the qualifications for the rank of full professor. The department has four current faculty members and additional teaching staff, has a strong research record 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 April 1, 1984 to:

Tse-yun Fong
Deputy Chairperson Search Committee
Dept. of Computer and Information Science
The Ohio State University
2036 Neil Avenue Mall
Columbus, OH 43210
Phone: (614) 242-1088

THE OHIO STATE UNIVERSITY IS AN EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER.
UNIVERSITY OF WISCONSIN-MADISON
The Department of Electrical and Computer Engineering invites applications for tenure, tenure-track and visiting faculty positions in Computer Engineering. A PhD degree is required and successful candidates are expected to participate in both teaching and research activities. Excellence in academic accomplishment and a contributive research involvement are more significant than the particular area of specialization. However, the following areas are of special interest: Computer Architecture, Computer Graphics, Computer Networks, Robotics, VLSI Design, and Application of Expert Systems. Rank and salary are 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.

LEHIGH UNIVERSITY
LEHIGH UNIVERSITY, FACULTY POSITIONS. Several tenure-track Assistant Professors are available beginning August 1984 in Lehigh University's new department of Computer Science and Electrical Engineering. The department builds upon traditions of excellence in its former Electrical and Computer Engineering and Computing Science and Information Science Division. We are seeking individuals with PhD degrees who have a love of teaching, a thirst for knowledge, and the motivation and drive for conducting frontier research. Preference will be given to individuals with expertise in Artificial Intelligence, Computer System Architecture, Database Systems, Digital Computer Design, Digital Processing, Solid State Devices and Very Large Scale Integration. If you possess these qualifications, we are interested in showing you the opportunities at Lehigh University in the beautiful Lehigh Valley. Send your application to Eric Thompson, Chairperson, Computer Science and Electrical Engineering, Packard Laboratory, Lehigh University, Bethlehem, Pa 18015 preferably by March 15, 1984. Lehigh University is an EO/AA employer.

ILLINOIS BENCIDINE COLLEGE—COMPUTER SCIENCE FACULTY
Illinois Benedictine College invites applications for tenure-track teaching position in Computer Science for Fall 1984. Applicants should hold a PhD in Computer Science. Responsibilities will include undergraduate teaching, curriculum development, and advising in the design of a future masters degree program. Summer teaching available under separate contract. Salary competitive. Illinois Benedictine College is a selective, liberal arts, Benedictine college enrolling more than 2000 students. The 109 acre campus is located 25 miles southwest of Chicago. The College maintains a close working relationship with the high technology laboratories and industries concentrated in the west suburban area. The Computer Science program, which has grown to 250 majors in 5 years, was developed with the partial support of Title III and NSF CAUSE multiyear grants. Send Application letter and resume to: Rev. Mylio M. Kure, Chairperson, Department of Mathematical Sciences, Illinois Benedictine College, 5700 College Road, Lisle, Illinois 60532 (312) 960-1500 Equal opportunity, affirmative action employer.

WRIGHT STATE UNIVERSITY
COMPUTER SCIENCE/COMPUTER ENGINEERING
Applicants are invited for full-time tenure track positions in Computer Science and/or Computer Engineering at all professional levels. Rank and compensation 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/university research is under development. The department is interested in hiring faculty with particular strengths in areas such as Computer Science, Computer Graphics, Computer Communication, VLSI Design, Microprocessor System Design, Artificial Intelligence, Process control and Industrial Automation. The University has singled out Computer Science/Computer Engineering as an area of highest priority for continued development funding and a privately funded Chair position is available in the department. Department strengths include a large faculty, extensive laboratory facilities, research programs, industrial/military support, degree programs in both computer science and computer engineering, and 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 success and leadership in research. The minimum requirements for appointment are a PhD degree in Computer Science, Computer Engineering, or related field, a strong publication record, the ability to attract research funding, and a demonstrated commitment to excellence in both teaching and research. Applications are invited from candidates with qualifications at all levels. Send applications to: Chairman, Department of Computer Science, Wright State University, Dayton, Ohio 45435. An equal opportunity/affirmative action employer.

ARKANSAS STATE UNIVERSITY
COMPUTER SCIENCE
Applications are invited for one or more faculty positions (Instructor, Assistant, Associate or Full Professor) in Computer Science beginning August 15, 1984. Doctorate in Computer Science preferred. Doctorate in a related field with significant education or experience in Computer Science considered. Master’s in Computer Science with doctoral potential considered. Send letter of application, resume, complete transcripts and three references to J. L. Linnstaedt, Chairman, Department of Computer Science, Mathematics and Physics, ARKANSAS STATE UNIVERSITY, P.O. Box 70, State University, AR 72467. The committee will begin selecting can- didates to interview as applications are received. Applications will be accepted until the positions are filled. Arkansas State University is an Equal Opportunity/Affirmative Action Employer.

Electrical Engineering and Computer Science
University of Wisconsin—Milwaukee
Assistant, Associate, or Full Professors available in both Electrical Engineering and Computer Science. The preferred areas are Digital and VLSI Systems, Power, Robotics or Communication Systems. In Computer Science all areas will be considered, but the preferred areas are Databases, Systems and Theoretical Computer Science. Doctorate required. Strong commitment to teaching and research desired. Send applications to: Chairman, Computer Science and Computer Engineering, University of Wisconsin—Milwaukee, P.O. Box 784, Milwaukee, WI 53201 An Equal Opportunity/Affirmative Action Employer.

Growth Potential in Colorado
The University of Denver is the largest independent, non-sectarian university in the Rocky Mountain West. The Department of Mathematics and Computer Science at DU has a rapidly growing Computer Science faculty, with four new faculty in the past two years and five positions currently open, including two senior positions. Long-term advantages of locating at the University of Denver include the following:
1) We have an administration financially committed to the development of our program. And we offer the flexibility of a private institution.
2) We are located in a rapidly expanding high-tech area with excellent opportunities for interaction with industry. Denver's cultural and recreational opportunities will continue to attract technologically oriented business to this area, and top quality academic personnel to the University of Denver.
3) The presence of Mathematics and Computer Science together in one department fosters mutually beneficial cooperation both in curricular and research.

Current research interests of our faculty include Data Structures and Algorithms, Computational Complexity, Text-Processing, Pattern Recognition, Automata and Formal Language Theory, Computational Linguistics, Software Testing, Data Models, Numeric Algorithms and Robotics. However, we are not restricting our recruiting efforts to these areas.
We have BS and MS programs in Computer Science, with a new PhD program in Computer Science in the planning stage. We anticipate that our PhD program will be in place within one year of the time that these positions are filled. Finally, funding has been approved for a VAX 750 with several super-micro workstations as a departmental research machine.
For details, please contact Stanley Gudder, Department Chairman, (303) 753-2580, or James LaVita, Search Committee Chairman, (303) 753-2594. University of Denver, Denver, Colorado 80208.

UNIVERSITY OF ALASKA, FAIRBANKS
The Department of Mathematical Sciences solicits applications for anticipated tenure-track and visiting faculty positions in COMPUTER SCIENCE. The University of Alaska Fairbanks campus has undergraduate and graduate programs and is the site of several major scientific research institutes. The Department currently offers a BS, MS and PhD in Mathematics and a BS in Computer Science with an MS planned. There are 22 faculty in the department, 5 in Computer Science. The University facilities includes a research quality library and computer center. Also, the department has a VAX 11/750, a PDP 11/23 and smaller computers. Applicants should have a PhD in Computer Science or equivalent. Applicants with research interests in any field will be considered. Active research areas are numerical analysis, theory, complexity, and modeling. Salary is competitive and depends on qualifications (minimum 9 month salary $30,747). Initial screening March 1, 1984 with applications accepted until positions are filled. Resume and three letters of reference should be directed to Jack Destat, Head, Department of Mathematical Sciences, 339 Duckering Bldg., University of Alaska, Fairbanks, AK 99701. Inquiries: (907) 474-6174. The University of Alaska is an Equal Opportunity/Affirmative Action employer and educational institution.
The Department of Computer Science, which currently consists of 17 faculty members, has several tenure-track positions to be filled before the end of the fall semester. These positions include undergraduate and graduate teaching, research, and supervision of Ph.D. dissertations. An applicant should have a Ph.D. by the time of his or her appointment, preferably in Computer Science, but if it is in a related area, substantial research experience in a mainstream area of Computer Science, such as Languages, Operating Systems, Data Base Systems, Software Engineering, etc., is essential. 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; an applicant for an Assistant Professorship should present evidence of research potential. Appointments are for either eight or twelve months. The department has an excellent research library. Departmental computing facilities are connected into a LAN, and include a VAX 11/780 (under BSD UNIX) fully dedicated to research. There is also a substantial collection of general university facilities for computing. Send resume to Alfs T. Berziss, Chairman of Search Committee, Department of Computer Science, University of Pittsburgh, Pittsburgh, PA 15260. Prof. Berziss' address on CSNET is alpha@pitt (alpha.pitt@csnet-relay from ARPANET nodes). An equal opportunity/affirmative action employer.

The University of Alberta Department of Computing Science

Applications are invited for three tenure-track positions at the Assistant/Associate Professor level (subject to budget and departmental approval). The department is currently involved in an expansion program to meet increased student enrollment. Candidates must have a Ph.D. in Computer Science and be able to attract research funding. The department's research focus is in the broad area of Computer Science, including Distributed and Vector Processing and Software. Simulation. The successful applicant must be able to coordinate a research group in this area. Applicants are urged to submit a current resume and 3 references to: Joan Kelleher, Director of Personnel Wang Institute of Graduate Studies Tyngsboro, MA 01879 617-649-9731

COLORADO STATE UNIVERSITY has tenure-track positions in Computer Science. Candidates need a Ph.D. and a strong background in core areas of Computer Science. Research specialization is open. Specific needs exist in Hardware, Architecture, Graphics, Data Bases, Computational Complexity, and Parallel Computing, but the department's research focus is in concurrency in the broad sense including Distributed and Vector Processing and Software. Senior ranks require distinct research accomplishments. CSU offers baccalaureate through doctoral degrees in Computer Science. The university has two CYBER 720s and a CYBER 205 two pipeline vector supercomputer. The department has a VAX 11/750, VAX 11/370, numerous microcomputers, and access to a Denelcor HEPI 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-long outdoor activities. Send curriculum vitae 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 20, 1984. Applications will be reviewed March 15, 1984. If suitable candidates are not found, search will be extended. CSU is EEO/AA employer E.O. Office: 314 Student Services Building.

The Department of Computer Science in the College of Engineering at Michigan State University is searching for an outstanding individual for the position of chairperson. This individual must possess a record in research and scholarship appropriate for the rank of Professor of Computer Science. Additionally, the candidate must possess the administrative and interpersonal skills necessary for effective leadership of the department. The position carries a 12 month appointment. Salary will be commensurate with the qualifications of the candidate. The preferred starting date would be in early fall of 1984. Michigan State University has a park-like campus and an enrollment of about 40,000 students. Computer Science has 20 faculty members and offers degrees at the BS, MS, and Ph.D. levels. The department has a growing research and graduate program, and a large and successful undergraduate program with a major commitment to university service courses. Departmental research facilities include two Harris super minicomputers, a PDP 11/34, and a SAGE image processor. The Case Center for Computer-Aided Design in the College of Engineering operates a Prime 750 and various graphics and CAD systems. Other University facilities include a VAX 11/750 with interactive and RJE access. An emerging campus network is under development, based on an already installed university-wide broadband coaxial cable system. The MERIT Computer Network links the MSU system with the University of Michigan, Wayne State University, and Western Michigan University. Nominations and applications are invited. Applications should include a resume with the names of at least three references. The closing date for full consideration is April 2, 1984. All correspondence should be addressed to Dr. Lewis Greenberg, Chairperson, Search and Selection Committee, Rm. 220 Computer Center, Michigan State University, East Lansing, MI 48824-1042.

The University of Alberta Department of Computing Science

Applications are invited for three tenure-track positions at the Assistant/Associate Professor level (subject to budget and departmental approval). The department is currently involved in an expansion program to meet increased student enrollment. Candidates must have a Ph.D. in Computer Science and be able to attract research funding. The department's research focus is in the broad area of Computer Science, including Distributed and Vector Processing and Software. Simulation. The successful applicant must be able to coordinate a research group in this area. Applicants are urged to submit a current resume and 3 references to: Joan Kelleher, Director of Personnel Wang Institute of Graduate Studies Tyngsboro, MA 01879 617-649-9731

Computer Science Education Technician and Instructor

Participate in the Computer Science Department as a teaching faculty member and as a technical computing specialist. Position entails teaching two to three three-credit courses per semester, working with faculty and other instructors to fully make use of the computer's potential in Computer Science Education. Computer Science teaching experience is necessary and Computer Assisted Instruction (CAI) and/or Computer Based Instruction (CBE) experience desirable. MS degree (or equivalent) in Computer Science is required. Position is not one leading to tenure, but could be if a significant research component were developed. (Research is not normally expected.) Salary range $28,000 - $33,000, with COLA and other benefits. Applications should include a resume with the names of three references. The closing date for full consideration is April 30, 1984. Apply by March 1 to: Dr. David A. Klimar, Search Committee Chair, 108 Ferguson, University of Nevada, Las Vegas, Las Vegas, Nevada 89154. Affirmative Action/Equal Opportunity Employer.

inventions wanted

Ideas, inventions, new products wanted by one of America's leading invention marketing firms to submit to industry and represent at National Inventor's Exposition. Call free 1-800-526-6050. Arizona, 1-800-392-0458. Extension 831. Or write IMI-COMP, 701 Smithfield Street, Pittsburgh, Pa. 15222.
The Department of Computer and Information Sciences of the University of Alabama in Birmingham invites applications for academic, tenure-track positions at all levels. Applicants should have a strong interest in Computer Science or closely related fields and have a strong interest in both research and teaching. Applicants for senior positions should have an established record of significant research. The Department administers degree programs at the BS, MS and PhD levels. It was the first Department of Computer Science in Alabama to offer the PhD. The Department research laboratories provide excellent facilities with nine minicomputer systems including a VAX 11/750 running UNIX (4.2 bsd) with one gigabyte of mass storage. Other equipment includes AEG ES12, Terak 8510/8600, and GIGI color graphics systems and a Versatec V80 plotting system. There is a satellite system for picture acquisition, processing, and display that integrates computer vision, processing, and very high-resolution graphics. The Department is moving to a different building this year with greatly expanded laboratory facilities. Research interests in natural language processing, distributed systems, design and analysis of algorithms, software development techniques, expert systems, computer design and programming, automatic and formal language theory, simulation and biomedical applications.

UAB is a comprehensive university including the Medical Center and ranks among the top 20 public universities in the U.S. in terms of funded research. Enrollment is now over 15,000 students. Birmingham is a major metropolitan area of almost 900,000 and is a southeastern center of finance, communications and medicine. A wide variety of cultural and sports attractions are available. It is noted for its symphony, ballet, and live theater. It is also the home of the UAB Blazers basketball and the Hall of Fame Bowl. The Gulf Coast and Great Smoky Mountains National Park are each only a five hour drive by car.

Interested individuals should send vitae and the names of three references to: Dr. C. C. Yang, Chair, Faculty Search Committee, Department of Computer and Information Sciences, University of Alabama in Birmingham, University Station, Building #4 Room 242, Birmingham, Alabama 35294.

**UAB**

**Faculty Positions in Computer Science**

**Eastern Michigan University**

**DEPARTMENT OF MATHEMATICS and COMPUTER SCIENCE**

Has several tenure-track positions in Computer Science starting Fall 1984. A doctorate in Computer Science, or in a related discipline coupled with significant achievement in Computer Science is preferred; ABD may be considered. Rank and salary are negotiable. EMU has an established and respected graduate program in Computer Science; initiation of a masters degree program in Fall 1984 is expected. Applicants should be able to teach Computer Science courses at the graduate and undergraduate levels and be active in research and the preparation of grant proposals. All areas of specialization will be considered; specific needs exist in Data Bases, Computer Architecture, Networks, Operating Systems, and Real Time Processing. Computing is currently supported by DEC-10 and DEC-20 systems, and by various microcomputer systems. Teaching loads are 9 contact hours per week, with possible released time for research.

Eastern Michigan University is located in Ypsilanti, approximately 30 minutes drive from Detroit. The area offers excellent cultural and recreational opportunities and cultural benefits. Salaries are competitive; there is an excellent fringe benefits package. To apply for the positions, a standard application form must be submitted along with a resume and three letters of reference. The completed package of application materials must be received on or before February 29, 1984. Requests for applications and completed application materials must be received on or before February 29, 1984. Eastern Michigan University, Personnel Department, 310 King Hall, Ypsilanti, MI 48197 phone: (313) 487-3430.

Applications are invited for the following faculty positions in the Department of Computer Science, commencing Fall, 1984.

1. Tenure-track positions at the rank of Assistant Professor. Candidates should have a PhD in Computer Science or Electrical Engineering.

2. Tenure-track positions at the rank of Associate Professor. Applicants should have an established record as Computer Science faculty and be active in teaching upper division undergraduate Computer Science courses.

3. Temporary/visiting positions, rank and salary depend on qualifications and experience. Applicants should have advanced degree in Computer Science or a related field and professional (academic or industrial) experience in Computer Science.

Applications should include transcripts of recent graduate work, copies of recent publications or technical papers, and a brief description of Computer Science related courses taught by the applicant (if any). Send applications, resume and three letters of reference to:

Fred Ives, Chairman, Department of Computer Science, Eastern Michigan University, 1401 S. fashionable, Mt. Pleasant, Michigan 48858.

Closing date for applications is March 9, 1984.

Applications are invited for full-time and visiting faculty positions from computer scientists, with a PhD degree in Computer Science preferred and with particular interests in areas related to Computer Science. The College of Computer Science is the only independent unit in the United States offering both an accredited Bachelor of Science degree in Computer Science and a Cooperative Education Plan. The College of Computer Science currently has 1.6 full-time and 6 part-time faculty with a substantial increase in faculty in progress. Current faculty interests include Graphics, Artificial Intelligence and Robotics, Computer Aided Instruction, Cryptography, Database Systems and Software Engineering. In addition to increasing our strength in these areas, we plan on staffing a number of positions in the areas of Parallel Computation, Communication Networks, Operating Systems, VLSI Design, and Text Processing.

The College of Computer Science has two student labs, one equipped with 60 Corvus microcomputers and another with 5 CDC Plano systems for CAI. The faculty and students can access University-owned DEC VAX 11/780s and a DG MV/8000. The College of Computer Science has several tenure-track opportunities. The College of Computer Science is 1.6 full-time and 6 part-time faculty with a substantial increase in faculty in progress. Current faculty interests include Artificial Intelligence and Robotics, Computer Aided Instruction, Cryptography, Database Systems and Software Engineering. In addition to increasing our strength in these areas, we plan on staffing a number of positions in the areas of Parallel Computation, Communication Networks, Operating Systems, VLSI Design, and Text Processing.

Applications are invited for tenure-track positions at the rank of Assistant or Associate Professor, to commence July 1, 1984. Applicants should have a PhD in Computer Science or Electrical Engineering.

Applications must be submitted to Dr. L. Parnas, Chairman, Search Committee, Department of Computer Science, University of Victoria, P.O. Box 1700 Victoria, B.C., Canada, V8W2Y2 and will be reviewed by the Search Committee.

Applications for tenure-track positions must be received by February 28, 1984. 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.

The University of Victoria offers equal employment opportunities to qualified male and female applicants.

**College of Computer Science**

**Northeastern University**

**Boston, Massachusetts**
CASE WESTERN RESERVE UNIVERSITY, DEPARTMENT OF ELECTRICAL ENGINEERING AND APPLIED PHYSICS. Applications are invited for tenure-track faculty positions at the Assistant and Associate Professor levels. Of particular interest are applicants with a dedication to teaching and a demonstrated research capability in the areas of Solid State Electronics and Digital Systems, both of which are being expanded. Current research in the former area includes microcomputer design, CAD tools for VLSI design, and fabrication; the latter area includes signal and image processing, intelligent systems, expert systems, and robotics. Departmental research facilities include the Integrated Circuits Laboratory, with bipolar and MOS IC fabrication, characterization, and test instrumentation and facilities, and the Signal and Image Processing Laboratory, with a PDP 11/45 minicomputer with array processor, and direct access to a VAX 11/780. In addition, the department is a member of the new Intelligent System Center, where facilities include a VAX 11/782 with intelligent graphics terminals. Applicants must have received the PhD degree in Electrical Engineering, Applied Physics, or a closely related field. The University is located in Cleveland's cultural center where its neighbors are the Cleveland Orchestra and the Cleveland Museum of Art. Moderately priced housing is available in nearby residential areas. Send resume (with citizenship/status) statement, research interest, and names of three references to: Professor Paul C. Claspy, Chairman, Department of Electrical Engineering and Applied Physics, Case Western Reserve University, Cleveland, OH 44106. An Affirmative Action/Equal Opportunity Employer.

COMPUTER ENGINEERING UNIVERSITY OF MASSACHUSETTS

The Department of Electrical and Computer Engineering at the University of Massachusetts at Amherst is planning for major growth in Computer Engineering. Already in place are strong programs in Hardware, Computer Architecture, VLSI, Fault Tolerance, Computer Graphics, Software Systems, and Distributed Processing. Active and close cooperation with the Computer Science Department significantly enhances the research environment which includes over 30 computer faculty, more than 40 Ph.D. students, 200 graduate students, 13 networked VAX machines, an Eagle, a Cyber 175, an IBM 4341, and numerous microcomputers and workstations. The Department has many close relationships with various computer companies providing research, equipment, consulting, and teaching support. One of the key factors behind the campus popularity and fast-growing reputation is its unique combination of pleasant college town atmosphere with proximity to high-technology industry and other leading schools in the computer field. Outstanding applicants in all areas of Computer Engineering and especially Computer Architecture and Hardware related fields are sought. Candidates with industrial experience are particularly encouraged to apply. Applicants for senior positions are expected to have outstanding research records. Junior faculty candidates should show strong research potential. For full consideration applications should be postmarked by March 31, 1984. Inquiries and applications are competitive and commensurate with education and experience. Send resume and names of at least three references to: Professor John Stankovic, Department of Electrical and Computer Engineering, University of Massachusetts, Amherst, MA 01003. The University of Massachusetts is an Affirmative Action/Equal Opportunity Employer.

TEXAS A&M UNIVERSITY Department of Computer Science

Applications are invited for faculty positions at the Assistant, Associate or Full Professor level. Candidates from all areas of Computer Science will be considered, but of particular interest are areas central to the design of fifth generation computer systems. The Department of Computer Science has 15 full-time equivalent senior faculty members and additional teaching staff. There is a tradition of quality instruction at the BS, MS and PhD levels. The University has initiated a massive commitment to building the Microelectronics and Computer Science. This commitment has been precipitated by the decision of the Microelectronics and Computer Technology Corporation (MCC), the industry-wide consortium of computer manufacturers interested in fifth generation computer systems, to locate nearby. Computer Science at Texas A&M University is located in the College of Engineering. With nearly 12,000 students, the College of Engineering is the nation's largest. Computer Science must expand to become one of the largest and most comprehensive in the country. We seek excellence in research. To get it, Texas A&M will provide superior instructional and research facilities for its Computer Science and Microelectronics faculty. The University has the internal resources to achieve this goal quite apart from the vicissitudes of federal support. Applicants at the assistant professor level should show substantial promise for research & teaching. Applicants at the higher levels should show a strong record of research achievement. Ability in teaching graduates and undergraduates is also essential. All appointments are made on a 12-month basis. Our academic salaries will be highly competitive. Applicants should submit a resume and three references to: Bruce H. McCormick, Head, Computer Science Department, Texas A&M University College Station, Texas 77843

Texas A&M University is an equal opportunity/affirmative action employer.

Assistant or Associate Professor, Computer Science. The University of Rhode Island is currently involved in its Computer Science Program, both staff and facilities. Applications for several tenure-track positions are invited from candidates with a PhD degree having a strong background in the areas of Computer Science. Rank and salary commensurate with qualifications. Computer Science courses include a BS with restricted enrollment, MS and PhD. Current faculty research interests are in Algorithm Analysis, Computer Architecture, Data Base Systems, Distributed Processing, Operating Systems, Programming Languages, and Software Engineering. Applicants must have a PhD in Computer Science. The University will be expanding its research and instructional facilities in Computer Science and is particularly interested in candidates whose research interests are in the areas of Computer Science and Software Engineering. The University has received funds from the National Science Foundation to initiate its research and instructional facilities. Applicants should submit a detailed resume and the names of three references to: Professor Anthony S. Wojcik, Department of Computer Science, University of Rhode Island, Kingston, Rhode Island 02881. An AA/EOE M/F.

ILLOIS INSTITUTE OF TECHNOLOGY Department of Computer Science

Applications are invited for several tenure-track positions beginning in January and August 1984. A PhD in Computer Science or a closely related field is required. Rank and salary will be commensurate with qualifications and experience. Applicants should have a strong commitment to research and to teaching at both the graduate and undergraduate levels. The Department will consider qualified candidates from diverse areas. Applicants should send vita, transcript, and three letters of recommendation to: Professor Ronald V. Book, Chair, Department of Computer Science, Illinois Institute of Technology, Chicago, IL 60616.

The Illinois Institute of Technology is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITION IN COMPUTER SCIENCE LEWIS AND CLARK COLLEGE

Lewis and Clark College, a private liberal arts college situated in Portland, Oregon, invites applications for a position in an expanding Computer Science program. We require a Master's in Computer Science or the equivalent. Ph.D. training of several disciplines is preferred, e.g., Mathematics, Statistics, Social/Physical/Life Sciences, the Humanities, or Business Administration. Teaching duties may be spread over twelve months providing time for research and supported continuing education. Salary is competitive. The person hired will teach a broad spectrum of undergraduate Computer Science courses and will contribute to the development and expansion of the curriculum. Candidates should be committed to the interdisciplinary use of computing appropriate to an undergraduate liberal arts college. The College stresses quality undergraduate teaching, supports continuing faculty development, and provides the opportunity to conduct research. Current facilities include a large VAX 11/780 and several microcomputers. These facilities can be expanded as the Computer Science Program develops. Applicants should send vita, transcript, and three letters of recommendation to: Computer Science Search Committee Campus Box 14 Lewis and Clark College Portland, Oregon 97219

To insure consideration candidates should apply by March 15, 1984.

Lewis and Clark College is an Equal Opportunity Employer and encourages the application of women and minorities.

FACULTY POSITION IN COMPUTER SCIENCE University of Wisconsin-Madison

Applications are invited for a tenure-track position in Computer Science. The Department of Computer Science invites applications at the Assistant Professor level. Applicants must have a Ph.D. in Computer Science or a closely related field. Rank and salary commensurate with qualifications. Interested candidates should send complete vitae and applications to: Chair, Computer Science Search Committee, Computer Sciences Building, University of Wisconsin-Madison, Madison, Wisconsin 53706

Applications received after December 1, 1983 will be given full consideration.

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New Mexico Tech invites applications for faculty positions, at any level, in Computer Architecture and/or Operating Systems, and possibly also in Numerical Analysis. Applications in other core areas of Computer Science will be considered. All positions are tenure-track. Salaries will be competitive. Duties include teaching two courses per semester (undergraduate and graduate), supervision of graduate students and research activities.

Laboratory equipment includes a VAX 11/750 running UNIX, several personal workstation computers, assorted microprocessors, and a Hewlett-Packard microprocessor development system. Tech’s DEC 2060 is also available for faculty and student use.

New Mexico Tech is a small scientific and technical undergraduate and graduate college and research institute. Eleven percent of the Institute’s 1300 undergraduate and graduate students are majoring in computer science. Our faculty has a low service course load.

New Mexico Tech is located in Socorro, a residential community of 7,000 located on the Rio Grande in a broad valley surrounded by mountains and desert. Socorro is 75 miles south of metropolitan Albuquerque on Interstate 25. A mild, dry, sunny climate makes the area ideal for outdoor enthusiasts, and national forests, wilderness areas, and Tech’s 18-hole golf course are nearby.

Applications should be sent to: Allan M. Staveley, Chairman, Department of Computer Science, New Mexico Tech, Box 8161, Socorro, NM 87801. For additional information, please write, call collect at (505) 835-5127, or send CSNet mail to all@mt. EEO/AA.

**FACULTY POSITIONS**

**COMPUTER & INFORMATION SCIENCE**

Applications for Spring or Fall, 1984 are invited for all tenure-track ranks. A PhD in Computer Science or a related field is a requirement for all professorial rank. Specialization in Cryptography, Computer Security, and Artificial Intelligence will be a preference for non-tenure-track positions. The department is growing, and all faculty positions are open for persons who are currently pursuing doctoral degrees or who have demonstrated experience in computer science. Applicants must be able to teach undergraduate and graduate courses in such areas as Simulation, Numerical Analysis, Probability, Statistics, and Programming Languages. The department is primarily involved in research in the areas of Artificial Intelligence, Computer Architecture, Theoretical Computer Science, Software Engineering, Operating Systems, Formal Language Theory, Programming Languages, Business Systems, and Information Science.

Applications should be sent to:

New Jersey Institute of Technology
300 North 13th Street
Newark, New Jersey 07102

**NEW JERSEY INSTITUTE OF TECHNOLOGY**

**New Opportunity/Affirmative Action Employer M/F/Hispanic**
CLAREMONT GRADUATE SCHOOL
2 NEW FACULTY POSITIONS

INFORMATION SCIENCE
MANAGEMENT INFORMATION SYSTEMS

Claremont Graduate School invites nominations and applications for two positions:

INFORMATION SCIENCE—Assistant or Associate Professor—This position is in support of the program in Information Science established in 1983. Candidates should have one or more of the following areas of specialization:
- Software Development
- Data Base Design and Management
- Applications of Artificial Intelligence
- Decision Support Systems
- Data Communications and Networking

MANAGEMENT INFORMATION SYSTEMS—Associate or Full Professor—Candidates for this position should have primary expertise in the design and implementation of Management Information Systems and/or Decision Support Systems, with collateral interests in such areas as management control systems, operations management, management science, or management of information systems.

For both positions, candidates with breadth and diversity of experience are encouraged to apply. Normally candidates will have a PhD and a record of research and teaching experience. Claremont Graduate School is located 35 miles east of Los Angeles in the foothills of the San Gabriel Mountains. Send nominations and applications to:

Professor Paul Gray, Chair
Information Science Search Committee
Claremont Graduate School
Claremont, California 91711

Claremont Graduate School is an Affirmative Action/Equal Opportunity Employer and actively seeks applications from women and minorities.

COMPUTER SCIENCE
FACULTY POSITIONS

Tenure-track positions open at Assistant, Associate, and Full Professor levels in the Department of Computer and Information Science at Cleveland State University. Duties: graduate and undergraduate teaching; research. Qualifications: PhD in Computer Science, MIS, Information System or Computer Engineering or closely related field. Salary: very competitive. In addition to University computing facilities (interactive IBM/MCS plus batch), the department provides its own labs using VAX, PDP/11, and other computers running UNIX and VMS and state-of-the-art software for faculty and students. Close relationships to business, engineering, science and other departments provide conducive environment for research and consulting interests. Send inquiries and vita to: Dr. James Schoeffler, Chair, Computer Science Department, Cleveland State University, 1945 Euclid Avenue, Cleveland, OH 44115.

ELECTRICAL AND COMPUTER ENGINEERING. Tenure-track positions are available in areas of Electrical and Computer Engineering at Florida Atlantic University, a state supported university. It is located in Boca Raton on Florida's southeast coast, a rapidly developing center for the electronics and computer industry. The Electrical and Computer Engineering Department is expanding, having recently moved into a new facility with newly equipped laboratories. PhD programs in Electrical and Computer Engineering are offered. Applicants must have a PhD, potential for high quality teaching and research. The Department is committed to an active research program and faculty assignments are arranged to support research. Applicants for senior positions are encouraged. Rank and salary will be commensurate with qualifications. Send resume to Dr. Yacov Shamash, Chairman, Department of Electrical and Computer Engineering, Florida Atlantic University, Boca Raton, Florida 33431.

Florida Atlantic University is an equal opportunity/affirmative action employer.

THE UNIVERSITY OF TEXAS AT DALLAS

Endowed Professorship in Computer Science. Candidates must have an established research record in mainstream Computer Science and a willingness to participate in computer science education at all levels, BS through PhD. A strong record of grants and Endowment income is available to be used at the discretion of the Professorship, subject to University regulations. Salary open and definitely competitive.

UTD is a growing university located in one of the most attractive suburbs of the Dallas Metropolitan area. It is surrounded and supported by a large technical community and has large and expanding undergraduate and graduate programs in Computer Science. Indication of sex and ethnicity for affirmative action statistical purposes is requested but not required. Resume, with a list of references, should be sent by May 1, 1984 to:

Academic Search #284
The University of Texas at Dallas
P.O. Box 830688
Richardson, Texas 75080-0888

The University of Texas at Dallas is an affirmative action/equal opportunity employer.

THE UNIVERSITY OF ALABAMA

Endowed Professorship in Digital Electronics

The University of Alabama is pleased to announce the establishment of an Endowed Professorship in Digital Electronics in the Department of Electrical Engineering. Nominations and applications are invited for this key member of our engineering research faculty. The holder of the Professorship will be expected to provide leadership in research, graduate teaching and interchanges of ideas with personnel in other departments and research organizations on and off campus. Applicants should have a doctoral degree in an appropriate area and should have a record of distinguished performance in the research area of Digital Electronics as applied to a variety of fields such as Computer Design, Digital Design, Microprocessors, Process Control, Networking, Artificial Intelligence, Graphics, and Simulation. Nominations and applications with names and addresses of three references should be sent to Assistant Dean Gary C. April, College of Engineering, The University of Alabama, P.O. Box 1968, University, Alabama 35486. The University of Alabama is an Affirmative Action/Equal Opportunity Employer.