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. Linstedt, Chairman, Department of Computer Science, Mathematics, and Physics, ARKANSAS STATE UNIVERSITY, P.O. Box 70, State University, AR 72467. The committee will begin selecting candidates 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.

UNIVERSITY OF MIAMI—Department of Electrical and Computer Engineering has open faculty positions in Computer Engineering. Areas of interest are: Computer Architecture, Computer Graphics, Distributed Processing, Operating Systems, and Software Engineering. In addition, the Department has an opening in Digital and/or Communications, 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 3414. Please forward resume to: Chairman, Electrical and Computer Engineering Department, UNIVERSITY OF MIAMI, Box 248294, Coral Gables, FL 33124. An Affirmative Action Equal Opportunity Employer.

CHAIR, COMPUTER SCIENCE DEPARTMENT
WAYNE STATE UNIVERSITY

Wayne State University invites applications and nominations for the position of Chair, Department of Computer Science.

The University is an urban, state supported university located in the Cultural Center of Detroit serving the educational needs of about 30,000 students. The Department of Computer Science, with a full-time faculty of 17, is a unit of the College of Liberal Arts.

Applications for the position must have an earned doctorate and a distinguished record of professional accomplishment. Candidates are sought who have demonstrated leadership and administrative capabilities as well as a deep commitment to a strong academic and research program.

The academic position is tenured with rank and salary negotiable and competitive at the national level. Anticipated starting date is September 1, 1984. Nominations and applications, with resumes, names and telephone numbers of references should be sent by May 15, 1984 to Dr. Richard L. Untvedt, Chair, Computer Science Chair Search Committee, 123 Chemistry, Wayne State University, Detroit, Michigan 48202. Wayne State University is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS IN ELECTRICAL ENGINEERING

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, Electromagnetics, 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 programs. Curriculum vitae should be sent to: Dr. Ronald L. Klein, Professor and Chairman, Department of Electrical Engineering, West Virginia University, Morgantown, WV 26506. Applications must be received by March 31, 1984. WVU is an affirmative action/equal opportunity employer m/f.
RESEARCH FACULTY POSITION
IN COMPUTER SCIENCE
UNIVERSITY OF WASHINGTON

The University of Washington Department of Computer Science expects to make one or more new appointments to the position of Research Assistant Professor beginning as early as summer, 1984. Applicants should have, or expect to have at the time of their appointment, a PhD in Computer Science, Electrical Engineering, or the equivalent. A successful applicant would join either the Blue CHIP Project, working on parallel architecture or software systems for parallel computers, or join the UWVX VLSI Consortium, working on VLSI chip design or VLSI design tools. While the position is primarily a research position, successful applicants will be expected to interact with graduate students and faculty, and are encouraged, though not required, to undertake a modest amount of teaching. Interested researchers should send a letter of application, a resume and the names of four references to: Professor Larry Snyder, Projects Director, Department of Computer Science FR35, University of Washington, Seattle, WA 98195.

The University of Washington is an Affirmative Action/Equal Opportunity Employer.

DEPARTMENT HEAD
COMPUTER SCIENCE
WASHINGTON AND LEE UNIVERSITY

Washington and Lee University invites applications for the position of Head of a new Department of Computer Science, effective fall 1984. The position presents a unique opportunity to develop both a curriculum and a department in an established institution committed to excellence in undergraduate education. The position holds an appointment at the rank of Professor or Associate Professor of Computer Science. Salary and rank are open, commensurate with the qualifications of the applicant. Applicants must have substantial experience in computer science, a strong commitment to the development of a rigorous academic program and exceptional distinction in undergraduate teaching. Applications from mid-career and senior computer scientists are solicited. A PhD in Computer Science is required.

Founded in 1749, Washington and Lee University is the sixth oldest institution of higher education in the United States. The University is composed of a School of Law, the College of Arts and Sciences and an undergraduate School of Commerce, Economics, and Politics with a full-time faculty of approximately 165. Enrollment is approximately 1700, 350 of whom are enrolled in the School of Law. The university is located in the historic city of Lexington in the heart of the Shenandoah Valley.

Applications should include a letter of application and a resume with the names of at least three references. All correspondence should be directed to:

Dr. William J. Watt
Dean of the College
Washington and Lee University
Lexington, Virginia 24450

Screening of applications will begin immediately. Washington and Lee University is an 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 Invention Fairs. Call free 1-800-528-0505. Arizona, 1-800-352-0458. Extension 831. Or write IMI-COMP, 701 Smithfield Street, Pittsburgh, Pa. 15222.

March 1984

FACTOR Positions
Computer Science Department
Kansas State University

The Department of Computer Science at Kansas State University invites applications for tenure-track faculty positions at all ranks. Applicants should have a PhD in Computer Science or expect to receive it by December 1984. Salary will be competitive and commensurate with qualifications. Appointments are for the academic year and summer employment is available. All applicants must have a commitment to both research and teaching. The department offers the BS, MS, and PhD degrees. Resources dedicated to research activity include a network of 32-bit UNIX-based minicomputers in the department and access to CSNET.

Please send resumes to:
Dr. Virgil Wallentine
Head, Department of Computer Science
Kansas State University
Manhattan, Kansas 66506

Kansas State University is an Affirmative Action/Equal Opportunity Employer.

THE UNIVERSITY OF TEXAS AT DALLAS

Endowed Professorship in Computer Science.

Candidates must have a distinguished 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 grant awards is preferred. 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 Metropolis 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 #264
The University of Texas at Dallas
P.O. Box 830688
Richardson, Texas 75080-0688

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

COMPUTER ENGINEERING

U of Minnesota-Duluth. New Baccalaureate Program in Computer Engineering. Up to four faculty positions. One position will have a telecommunications emphasis. Assistant or Associate Professor. Tenure-track or tenure. Doctorate or equivalent experience in Computer Engineering or related field required; one degree must be in Engineering. Salary negotiable. Begin September 1, 1984. Responsibilities include teaching, conducting sponsored research, assisting in the development of new program. Upper division (junior level) program to begin fall 1984. Send application letter, vitae, and three letters of reference to:

R. W. Ogikansas
108 Math-Geology
University of Minnesota-Duluth
Duluth, Minnesota 55812
(218) 726-7201

by March 31, 1984. University of Minnesota is an equal opportunity educator and employer and specifically invites and encourages applications from women and minorities.

Applications are invited for a recently established chair in Computer Science at the Stanford Campus of the University of Connecticut. Highly competitive salary and generous support for professional activities. Position to start in September 1984.

Responsibilities for directing and teaching lower division Computer Science Courses and coordinating the program with the Main Campus of the University. Assist in development of part-time graduate program to relieve lower Fairfield County, rapidly growing area of multi-national corporate headquarters.

Applications should have a doctoral degree in Computer Science, Computer Engineering or a closely related area or an MS degree and demonstrated professional experience in the computer area. Familiar with both modern hardware and software techniques. Commitment to teaching important. Design experience in industrial setting.

Qualified candidates should send resumes and the names of three references to:

Taylor Booth, Chair
Stanford Campus Endowed Professional Search Committee
University of Connecticut, U 157
Storrs, Connecticut 06268

UNIVERSITY OF PITTSBURGH

Computer Science

The Department of Computer Science, which currently consists of 17 faculty members, has several tenure-track positions available by the end of 1984. Responsibilities include undergraduate and graduate teaching, research, and supervision of PhD dissertations. An applicant should have a PhD 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 capability. 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 convenient access to extensive general university facilities for computing. Send resume to Alf T. Berzins, Chairman of Search Committee, Department of Computer Science, University of Pittsburgh, Pittsburgh, PA 15260.

Prof. Berzins' address on CSNET is alpha-pitt (alpha-pitt is cnet-relay from ARPANET nodes). An equal opportunity/affirmative action employer.

UNIVERSITY OF HOUSTON

Applications are invited for a recent faculty position in Computer Science starting September 1984. Rank and salary commensurate. Candidates should have a PhD in Computer Science or a closely related area, and strong research interest, particularly in Artificial Intelligence, Computer Graphics, Operating Systems, or Programming Languages. Send resume to: Dr. Willis K. King, Chairman, Department of Computer Science, University of Houston, Houston, Texas 77004. An Equal Opportunity/Affirmative Action Employer.
Florida Atlantic University
Department of Mathematics,
Boca Raton, Florida

MATHEMATICS AND COMPUTER SCIENCE.
Applications are invited for anticipated positions at all levels, beginning August, 1984. An applicant for a senior position should have a PhD in Mathematics or Computer Science, interest in research, and the ability to teach introductory Computer Science courses. Send vitae and the names of three references to Professor Frank O. Hadlock, Chairman, Department of Mathematics, Florida Atlantic University, Boca Raton, Florida 33431. Closing date for applications is April 1, 1984.

AA/EO

SOUTHEASTERN LOUISIANA UNIVERSITY
Computer Science Department

The Computer Science Department invites applicants for a tenure-track faculty position. Rank and salary are negotiable. Candidates must have a PhD in Computer Science and be expected to teach upper level undergraduates and to conduct research. Applicants should send a resume and three letters of recommendation sent to: Dr. D. L. Carver. Department of Computer Science, P. O. Box 506, Southeastern Louisiana University, Hammond, Louisiana, 70402. Deadline for applications is May 1, 1984. SLU is an Affirmative Action/Equal Opportunity Employer.

AI & DS
AI EMPLOYMENT OPPORTUNITIES AT
ADVANCED INFORMATION & DECISION SYSTEMS

Advanced Information & Decision Systems (AI & DS) invites you to apply for research and programming positions in artificial intelligence.

R & D: Join a growing employee-owned company of 50 people working on hard problems in artificial intelligence, software engineering, image understanding, information management, estimation and control, decision theory, signal processing, and cognitive science. Help develop futuristic solutions to real problems, and build prototype systems to demonstrate these problem solutions. Work in a pleasant and exciting environment in the heart of the dynamic San Francisco Bay Area. Make use of a growing computing environment consisting of VAXes, Symbolics 3600s, SUns, and a Vicom image processor on Ethernets and ARPNET. Throughout 1984, positions will be open in:

- Knowledge-Based and Expert Systems
- General Architectures
- Knowledge Acquisition
- Hypothesis Formation
- Image and Signal Understanding
- Image Processing
- Information Integration
- Planning and Control
- Decision-Making Aids
- Robotics
- Distributed AI
- Intelligent User Interfaces
- Software Development Aids
- Information Management
- Information Retrieval
- Database Management
- Systems Support
- UNIX Systems Programming
- LISP Programming

To find out more about these positions, contact Mary Margaret Morton at (415) 941-3912 or send your resume to:

Advanced Information & Decision Systems
201 San Antonio Circle, Suite 286
Mountain View, California 94040-1270
An equal opportunity employer.

Research Computing System Manager

The Applied Physics Laboratory is seeking a skilled professional to manage a multiple VAX/UNIX system supporting scientists, engineers, and administrative personnel engaged in research in the general field of under- and large-scale computer simulations. The system presently consists of two DEC VAX 11/750s running UNIX 4.1 bsd, under DEC maintenance. "DISPLA" and the IEEE software package are in wide use. Budget is approximately $300,000/year. Growth is vigorous; plans for growth include local area network, laser printer, and a data acquisition and analysis system.

Duties
1. Help individual researchers to apply UNIX tools in the design of specific phases of research projects and in the analysis of results.
2. Participate in development of computer-based systems and their in-field testing.
3. Play lead role in planning enhancement of the computer tools to the research activities of the Laboratory.
4. Opportunity to develop small computer R and D effort.
5. Determine usage patterns and plan hardware and software configurations to meet evolving needs.
6. Purchase hardware and software.
7. Supervise assistant system manager and part-time systems programmer.
8. Coordinate maintenance by DEC and in-house personnel.

Qualifications
The person who will fill this job must be able to lead a group of scientists in their computing activities. He/she should either be a researcher who finds himself/herself managing a computer, or a computer scientist with a strong, educational background in the physical sciences and experience working with scientists. Educational background is therefore either:

a) an advanced degree (MS or PhD) in engineering, mathematics, or the physical sciences, or
b) an advanced degree in computer science with a strong undergraduate background in the above disciplines.

This person will also have significant experience as systems administrator or lead systems programmer on a UNIX-based computer, ideally a VAX with Berkeley UNIX. U.S. citizenship and eligibility for an industrial security clearance are required.

The Applied Physics Laboratory is a division of the College of Ocean and Fishery Sciences, University of Washington, and is located on the campus in Seattle. Please send resume to

Ms. Linda M. Marsh
Applied Physics Laboratory
University of Washington
1013 N.E. 40th Street
Seattle, Washington 98105

Yale University—Electrical Engineering

The Department of Electrical Engineering at Yale University invites applications for several new faculty positions. Preferred areas of interest are Computer Engineering (Digital systems, Hardware Design, Real Time Systems), Control Systems, Robotics, Electronic Materials and Device Physics. Address all correspondence to Peter M. Schultheiss, Chairman of Electrical Engineering, Becton Center, P.O. Box 2157 Yale Station, Yale University, New Haven, Conn. 06520. Yale is an affirmative action/equal opportunity employer.
STATE UNIVERSITY OF NEW YORK
UNIVERSITY AT BUFFALO
Department of Computer Science
Leading or Full Professor and Chairperson

The State University of New York at Buffalo invites nominations and applications for the position of Chairperson. Department of Computer Science. We are seeking a distinguished scientist who can provide effective leadership for a small department. Candidates should have a broad background and a record of significant research in Computer Science, as well as experience in group leadership and administration.

The University of Buffalo is the largest and most comprehensive university center in the SUNY system. The Computer Science Department presently consists of eight tenured or tenure-track faculty, three visiting lecturers, and five associated faculty members from other units of the University. The faculty are actively engaged in research, principally in the areas of Artificial Intelligence and Theory of Computation. Departmental computing facilities include a VAX 11/780, 2 VAX 11/780's, and a variety of graphics and image processing equipment, all operating under Berkeley UNIX. Substantial commitments have been made to increase faculty and equipment resources for this program. The number of Computer Science faculty is planned, and a major upgrade of equipment resources, both within the Department and throughout the University, has already begun.

Consistent with this commitment, the academic year salary range for this position is between $45,000 and $59,200 for appointment at the rank of Professor and up to $71,792 for the extraordinary candidate qualified for appointment in the title of.Learning Professor. In addition, a 6% salary supplement is provided in recognition of the Chairmanship.

Applicants should forward a complete resume and a description of current research activities to:
Dr. Bruce McCombe, Chairman
Computer Science Search Committee
Office of the Dean/NSMS
State University of New York at Buffalo
732 Clemens Hall
Buffalo, New York 14260

Application closing date is March 31, 1984, or until a suitable candidate is selected.

THE UNIVERSITY OF TEXAS AT AUSTIN
Electrical Engineering Department is accepting applications for tenure and tenure-track faculty positions. All specialties considered; however, preference will be given to applicants with backgrounds in Computer Engineering, Microelectronics, and Optical Computing and Signal Processing. Qualifications must be commensurate with rank and include an outstanding academic record, significant achievement in original research, and the ability to teach a doctorate in Electrical or Computer Engineering. Duties will include teaching undergraduate and graduate courses. Interested applicants are invited to send resumes which detail their past professional accomplishments, and which include the names and addresses of three references, to:
Dr. Edward J. Powers, Chairman
Department of Electrical Engineering
The University of Texas at Austin, Austin, Texas 78712, and Equal Opportunity/Affirmative Action Employer.

University of Florida
Computer & Information Sciences Department

Applications are invited for visiting and tenure-track faculty positions at the Assistant and Associate Professor levels for academic year 1984-85. Candidates from all areas of specialization in Computer Science will be considered; however, the department has particular interest in candidates in Software Engineering, Programming Languages, Operating Systems, Artificial Intelligence, and Computer Aided Engineering. A PhD in Computer Science, Computer Engineering, or MIS is required. In addition, the salary will be commensurate with the candidate's qualifications and experience. U.S. citizenship or permanent residence is required for tenure-track positions, but is not mandatory for visiting positions. Our rapidly growing department currently has 15 doctoral-level faculty members and offers BS, MS, and PhD degrees in Computer and Information Sciences through the Colleges of Engineering, Business Administration and Liberal Arts and Sciences. Active research areas include Database Design, Knowledge-Based Systems, Image Processing, Network Architecture, Software Engineering and Computer Graphics. Available computers include IBM 3081, IBM 3033, IBM 4341 (3), VAX 11/780 (3), VAX 11/750 (2), Gould 328/780, Harris 800, and two IBM Series1/3. The University of Florida is a major U.S. University committed to graduate education and research. Over 33,000 students are enrolled in more than 140 academic disciplines. The PhD is offered in over 90 areas.

Qualified applicants should send a detailed resume and the names of 3 references to:
Dr. Leslie H. Oliver, Computer & Information Sciences Department, University of Florida, 512 Weil Hall, Gainesville, FL 32611 904/392-2371.

Application deadline for this search is April 1, 1984.
An Equal Opportunity/Affirmative Action 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 tenure-track or visiting faculty positions in all areas of Computer Science and Computer Engineering. An earned doctorate or equivalent and commitment to teaching and scholarly research is required. Openings are available for Sep.embry 1984. Our department offers baccalaureate (ABET accredited), masters, and doctoral programs. We are one of the largest, fastest growing, and most rigorous Computer Science and Engineering department in the nation. Facilities include VAX-11/780, DEC 2000, IBM 4341, and various personal computers. UTA is in the Dallas/Fort Worth metropolitan area. Interested persons should send a resume to Professor Bill D. Carroll, Chairman, Computer Science and Engineering Department, P.O. Box 19015, The University of Texas at Arlington, Arlington, TX 76019-0015. A resume, 3 letters of reference, vita, copies of published papers, and a description of teaching experience is required.

WANG INSTITUTE OF GRADUATE STUDIES School of Information Technology Software Engineering Professionals

Faculty applications are being accepted from software engineering professionals having extensive 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 computing facilities include a VAX 11/780, a Prime 750, a Wang VS 100, Apollo 273/3785.

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.

UNIVERSITY OF HOUSTON
Senior Faculty Position in Artificial Intelligence

Applications are invited for a senior faculty position in the Department of Computer Science to begin fall, 1984. A distinguished research record and a commitment to research and teaching in Artificial Intelligence are required. The department has a faculty of 16 and is growing rapidly. Possibility exists for candidate to build a research group, consisting of several faculty, in AI. The department offers PhD, MS and BS in Computer Science. Facilities include a VAX-11/780 dedicated to department research along with access to several other VAX 11/780 and an ACCESS in the University Computer Center. Send full resume and names of three references to:
Willis K. King, Chairman Department of Computer Science University of Houston - University Park Houston, Texas 77004
An Equal Opportunity/Affirmative Action Employer

March 1984
**ASSOCIATE DEAN FOR RESEARCH**

The College of Engineering of the University of South Florida is inviting nominations and applications for the position of Associate Dean for Research.

South Florida is a relatively new University. Part of the University system, USF opened in September 1960 on a 1600 acre campus in the megatrend city of Tampa, which is experiencing dramatic growth in high tech industries. A new, additional engineering building, costing $10 million, is scheduled for completion in November 1985. Now with branches in several other major cities, USF has an enrollment of over 25,000 students and a present facility valued at over $200 million. In addition, a 2500 acre research park near USF has recently been established. Total project cost of this development is $500 million.

The Associate Dean for Research will be responsible for the promotion and administration of all aspects of the Engineering College’s research program. This includes the government funded and privately funded programs in the five engineering departments: Chemical and Materials, Electrical, Engineering, Civil Engineering and Mechanics, Computer Science and Engineering, Electrical Engineering, Industrial and Management Systems. The Associate Dean will be the Executive Director of the Center for Engineering Development and Research (CEDAR) which conducts joint industry/university R & D ventures. Candidates are expected to have demonstrated success in research, research administration and research promotion. Candidates must be tenurable in one of the five Departments of the College of Engineering. Salary is commensurate with background and experience.

Send nominations/applications to the Chairman of Search Committee, Professor James C. Bowers, College of Engineering, University of South Florida, Tampa, Florida 33620. Deadline for submission is May 15, 1984. The University of South Florida is an Equal Opportunity/Affirmative Action Employer.

**Manager (Director) of the Computer Aided Engineering Network**

Applications are invited for a senior professional position, Manager (Director) of the Computer Aided Engineering Network (CAEN) of the College of Engineering, University of Michigan, Ann Arbor. The College is aggressively building a large distributed, open computing environment around engineering workstations, high-end personal computers, superminis and mainframe machines. Examples of machines include Apollo Domain, Apple Lisa, IBM PC/XT, various VAX models, and a Harris 800. The network will also support access to the University Computing Center’s ADMAD and various other networks. The CAEN emphasizes the enhancement of professional productivity in all aspects of engineering and computer science teaching, research, and administration. The Manager, under the guidance of the Associate Dean for Research and a faculty executive committee, will be in charge of the CAEN’s planning, development and management. A minimum of a master’s degree in Computer Science/Engineering or a related field is desirable. Experience in management of CAEN staff and facilities. A minimum of a master’s degree in Computer Science/Engineering or a related field is highly desirable. Demonstrated experience in developing computer systems and reasonable experience in administration and management are desirable. Please send resume, including three references, to Dean Daniel E. Atkins, College of Engineering, Chrysler Center, University of Michigan, Ann Arbor, MI 48109.

**Faculty positions in Computer Engineering**

The ECE Department of the University of South Carolina has openings in Software Engineering, Artificial Intelligence Programming Languages, Distributed Computing Systems, Machine Learning, Robotics, Knowledge-Based Control and Communications, and Natural Language Processing. A doctorate in Electrical or Computer Engineering is required. The ECE Department has 20 faculty members, 10 in Computer Engineering. Each has a VT-100 office terminal providing access to the departmental VAX 11/780 as well as access to the logical network CSNET. The department also has an excellent center for machine intelligence with image processing systems, speech processing systems, and a distributed AI testbed of 16 Sun workstations. Please send resumes to: Ronald D. Bonelli, Professor and Chairman, Department of Electrical and Computer Engineering, University of South Carolina, Columbia, SC 29203.

An Equal Opportunity/Affirmative Action Employer.

**SAM HOUSTON STATE UNIVERSITY**

The Computer Science program in the Division of Mathematical and Information Sciences is seeking a tenure-track faculty member to teach courses at the undergraduate and masters level. Excellent student computing facilities are currently available in the Computer Science building. The computer science program is part of a DECsystem-20 with additional hardware acquisition expected by fall, 1984. Microcomputer systems are also available. Applicants should have a PhD in Computer Science or its equivalent with an interest in teaching. Preference will be given to persons with teaching and/or research interests that will support the development of our undergraduate and graduate program and aid in the development of the masters degree program.

Sam Houston State University is an Equal Opportunity/Affirmative Action Employer.

**ILLINOIS 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 interest in research and to teaching at both the graduate and undergraduate levels. Candidates from all areas will be considered, although the department is particularly interested in persons whose research interests are in the areas of Computer Architecture, Database Systems, Distributed Systems, Programming Languages and Software Engineering. Applicants should submit a detailed resume and the names of three references to:

Professor Anthony S. Wójcik, 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 ST. LOUIS AREA**

The Department of Mathematics, Statistics, and Computer Science of Southern Illinois University at Edwardsville is seeking applicants for a regular faculty position in Computer Science. The anticipated date of appointment is August 1984. Rank and salary are negotiable, based on experience and record of scholarship. Applicants should have a strong interest in teaching. Other responsibilities will include contributing to the continuing development of the graduate program in Computer Science and engaging in computer science research. Applicants must have a PhD or equivalent degree in Computer Science or a related area (or equivalent experience as demonstrated through research accomplishments or professional status). The University occupies a beautiful 2600 acre campus in the St. Louis metropolitan area. Current enrollment is approximately 10,000 students, the majority of whom are residents of the area. Interested applicants should send a vita and references to:

Computer Science Search Committee, Department of Mathematics, Statistics, and Computer Science, Southern Illinois University at Edwardsville, Edwardsville, IL 62026.

As an affirmative action employer, SIUE offers equal employment opportunity without regard to race, color, creed, religion, age, sex, national origin, or handicap.

**ILLINOIS BENEDICTINE COLLEGE**

**COMPUTER SCIENCE FACULTY**

Illinois Benedictine College invites applications for tenure-track positions in Computer Science for Fall 1984. Applicants should hold a PhD in Computer Science. Responsibilities will include undergraduate teaching, curriculum development, and assisting in the design of a future masters degree program. Salary teaching available under separate contract. Salary competitive.

Illinois Benedictine College is a selective, liberal arts, coeducational 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 multyear grants. Send Application letter and resume to:

Dr. Phyllis M. Kittel, Chairperson, Department of Mathematical Sciences, Illinois Benedictine College, Lisle, Illinois 60532, (312) 960-1500

Equal opportunity, affirmative action employer.

**COMPUTER SCIENCE POSITION**

Applications are invited for a tenure-track position (Assistant/Associate Professor) in Computer Science beginning with the fall, 1984 semester. A PhD in Computer Science or closely related engineering, linguistics or mathematics field is desirable; however, applicants with a Master’s Degree in Computer Science with related experience will be considered. The Computer Science Department has a solid program in core Computer Engineering courses. Over 300 majors and wishes to strengthen it by filling this position. The campus computing facilities include an IBM 361 with eight megabytes main storage running VM, Computer Science Department, Slippery Rock University, Slippery Rock, PA 16057. Deadline for assured consideration is April 25, 1984. Slippery Rock University is an Affirmative Action/Equal Opportunity Employer.
The University of Alberta
Department of Computing Science

Applications are invited for three tenure-track positions at the Assistant/Associate Professor levels (subject to final approval). The Department is currently involved in an expansion program to meet increased student enrollment. Candidates must have a PhD in Computer Science or related field and demonstrated equivalent achievement in education and research. Responsibilities include teaching at the Graduate and Undergraduate levels and research. Candidates from all areas will be considered, although preference will be given to applicants with expertise in the areas of Networks, Programming Languages, Software Engineering, Operating Systems and Computer Architecture. Current hardware support includes an Amdahl 5860, a network of VAX 11/780s, PDP-11s and well-equipped mini and micro computer laboratories.

1983/84 Salary range:
Assistant Professor 29,720 to 41,820
Associate Professor 37,420 to 53,658
Send curriculum vitae and names of three references to: Dr. J. White, Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, Canada. T6G 2H1. Applications will be accepted until June 30, 1983. The University is an equal opportunity employer but, in accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.

Electrical Engineering and Computer Science
University of Wisconsin—Milwaukee

Assistant, Associate, or Full Professors available in both Electrical Engineering and Computer Science. In Electrical Engineering 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 Database, Systems and Theoretical Computer Science. Doctorate required. Strong commitment to teaching and research desired. Send curriculum vitae and names of references to: Professor R. J. Krueger, Department of Electrical Engineering and Computer Science, University of Wisconsin—Milwaukee; P.O. Box 784; Milwaukee, WI 53201.

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 focusses 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

Computer Science Department
BOSTON UNIVERSITY

The Computer Science Department of Boston University invites applications for faculty positions commencing September 1, 1983. There are several openings for tenure-track faculty and a visiting professorship is also available. Applications in all areas are welcome; of particular interest are the areas of Database Systems, Artificial Intelligence, Natural Language Processing, and Operating Systems. A PhD and a strong interest in research are required.

The Computer Science Department currently has 12 tenure-track faculty. We offer BA, MA, and PhD programs. Development plans call for a substantial increase in faculty and major addition in computing equipment. Current departmental equipment includes a VAX 11/780 running UNIX and a DEC system 2060. The Academic Computing Center with an IBM 3081 and a graphics laboratory is also available. Boston offers a rich opportunity for those wishing to pursue research and teaching in close proximity to high technology industry. If you are interested, please send your curriculum vitae and three letters of reference to Professor Joyce Friedman, Chair, Computer Science Department, College of Liberal Arts, Boston University, Boston, MA 02215. BOSTON UNIVERSITY IS AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

Systems on Silicon Project
University of Waterloo
Waterloo, Ontario, Canada

Research Computer Scientists/Engineers
Graduate Students
Visiting Faculty

The Systems on Silicon Project currently pursues research into the VLSI group of the Institute for Computer Research at the University of Waterloo. The project has for openings for research computer scientists/engineers, graduate students and visiting faculty. Applications in accordance with Canadian Immigration requirements will be considered. The priority will be given to Canadian citizens. The project is interested in research in computer science and in high technology applications. Ph.D.s required. An equal opportunity employer.

UNIVERSITY OF BRIDGEPORT

The College of Science and Engineering, a division of the Connecticut Technology Institute, at the University of Bridgeport, has new faculty positions available. Research programs and graduate and undergraduate instructional programs in fundamental computer science and in high technology applications are growing.

A phased plan for a distributed processing system with personal computers for all faculty and students is being implemented. The current installation includes a DEC system 2060 main frame, a timesharing terminal, a CAD center with its own computers and graphics terminal, a mini/micro-computer lab, and microcomputers in the various laboratories.

Proximity to Fairfield County's concentration of technological industries and a beautiful campus on Long Island Sound provide an exceptional environment for research and education programs in computer science, computer systems engineering, and related interdisciplinary programs, such as robotics.

Rank and salary competitive Ph D required

JOIN THE GROWTH OF HIGH TECHNOLOGY IN FAIRFIELD COUNTY