EAST TEXAS STATE UNIVERSITY
Computer Science Department

Three tenure-track positions available for 1982 Fall Semester. Applicants are solicited in the areas of: Computer Information Systems; Computer Languages; Computer Systems. PhD in Computer Science or related field preferred. Candidates with Masters and significant industry/theory teaching experience will be considered. Ranks open and corresponding nine-month salary ranges are:

- Professor: $33,000-$35,000
- Associate Professor: $30,000-$33,000
- Assistant Professor: $28,000-$30,000

Productive research will be considered a routine duty. Applications will be accepted until three positions are filled. Send resume, transcript, and two letters of reference to: Lowell N. Ballew, Head Department of Computer Science East Texas State University Commerce, TX 75428

RATES: $7 per line. $75 minimum charge (up to ten lines). Average six type sets words per line, nine lines per column inch. Add $7 for box number. Send copy at least six weeks prior to month of publication to: Classified Advertising, COMPUTER Magazine, 10862 Los Vaqueros Circle, Los Alamitos, CA 90720

To allow sufficient time for distribution of the magazine, schedule your job application deadlines at least three weeks after issue date (e.g., deadline of July 21 to send applications responding to ad appearing in July issue. Note: IEEE Computer Society member ads for positions wanted $10 up to 10 lines, $1 per line thereafter. Situations wanted ads run free for unemployed society members. Include IEEE member number in either case.

UNIVERSITY OF SOUTHERN CALIFORNIA:
The Department of Electrical Engineering-Systems at the University of Southern California announces tenure track openings for both junior and senior faculty in the areas of Signal Processing, Robotics, Artificial Intelligence, Control and System Theory, Information and Communication Theory, and Computer Engineering. We are especially interested in candidates with background and/or experience in Microprocessors, Robotics and VLSI Systems. Send a resume and the names of at least three academic references to: Professor George A. Bekey, Chairman, Department of Electrical Engineering-Systems, PHE 404, University of Southern California, Los Angeles, CA 90007. USC is an Equal Opportunity/Affirmative Action Employer.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND
ST. JOHN'S, NEWFOUNDLAND, CANADA
VISITING APPOINTMENTS

The Department of Computer Science of Memorial University of Newfoundland is seeking applications for visiting appointments in all ranks and in all areas of Computer Science. Responsibilities will include research and teaching at the graduate and undergraduate levels. Departmental computing facilities include a VAX 11/780 currently running under UNIX Version 4.1 BSD Operating System and a PDP 11/34 and 11/10 also under UNIX. Graphics and microprocessor facilities are available. In addition there is access to an IBM 370/158, a VAX 11/780 running VM, and DEC 11/70 running RSTS. Salary will be commensurate with qualifications. Terms of appointment are flexible. To be considered for one of these positions please send your curriculum vitae and the names and addresses of three referees to:

Prof. J. M. Foltz Acting Head Department of Computer Science Memorial University of Newfoundland St. John's, Newfoundland, Canada A1C 5S7

In accordance with Canadian Immigration regulations, first consideration will be given to those applicants who at the time of application are legally eligible to work in Canada for the period covered by this position.
UNIVERSITY OF CONNECTICUT
Faculty Position—Assistant Professor. Position available Spring, 1982. Applicants should have completed PhD requirement in Computer Science and have expertise in Computer Networks and Communications, as well as in Artificial Intelligence, Pattern Recognition and Image Processing. Applicants with a Master's degree in an Engineering discipline and engineering experience are preferred. The offered position involves teaching graduate and undergraduate courses in Computer Science as well as initiating and carrying out research in the above areas. Applicants should have demonstrated promise of excellence in research and publications, as well as teaching and advising. $26,000 per year commensurate with ability. Send resume and references to Dr. David Jordan, Department of Electrical Engineering and Computer Science, University of Connecticut, U-157, Storrs, CT 06268. An Equal Opportunity Employer.

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

UNIVERSITY OF SOUTH FLORIDA FACULTY POSITIONS
One or more openings for tenure-earning and visiting faculty positions are available in the computer science and engineering department of the University of South Florida. A PhD degree in computer science or engineering, or equivalent, is required. Interest in initiating or contributing to research is expected. Candidates should be able to teach undergraduate and graduate courses in two or more of these areas: computer graphics, distributed computing, modeling and performance evaluation, analysis of algorithms, theory of computing, multiple processing, and operating systems. Salary and rank commensurate with qualifications. Send resume and references to Dr. Garcia, LIB630, University of South Florida, Tampa, FL 33620 (813) 974-4232 by May 21 for a Fall Semester opening, or by Sept. 30 for a January starting date. An affirmative action/equal opportunity employer.

THE UNIVERSITY OF ALBERTA DEPARTMENT OF COMPUTING SCIENCE
Applications are invited for two tenured assistant professor positions in Computing Science. Duties include conducting research, supervising graduate students, and teaching undergraduate and graduate courses. Applicants in all areas will be considered, although preference will be given to applicants with expertise in the areas of networks, programming languages, operating systems and computer architecture. A PhD in Computer Science or related field or demonstrated equivalent achievement in education and research is required. The Department currently consists of 18 faculty with a wide range of research and teaching interests. Hardware support includes an Amdahl 470/V8, a VAX 11/780, a DEC VAX 11/750, an IBM 3033, a PLATO system and a well-equipped mini and microcomputer lab. Please send curriculum vitae and names of three references to: Dr. L. W. Jackson, Acting Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, Canada, T6G 2H1. The University offers an equal opportunity employer but, in accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. The minimum maximum 11 step annual salary is $27,720 to $39,820. Closing date for applications: July 1, 1982.

UNIVERSITY OF PORTLAND
Two Computer Engineering faculty positions at the University of Portland, a private institution located in the beautiful Northwest. Tenure track, PhD required. Specializations in hardware and/or software. We are a dynamic, high-quality department having strong ties with major local industries. Facilities include a VAX 11/780 and an excellent microprocessor laboratory. A computer graphics and CAD/CAM laboratory is in the building stage. Excellence in undergraduate instruction is rewarded and our faculty is heavily involved in industrial consulting as a means of professional growth. The new faculty member will contribute to the rapid growth and development of our computer engineering program in an atmosphere of support, flexibility, and opportunity. Positions open September, 1982. Send resume to Dr. Robert J. Albright, School of Engineering, University of Portland, Portland, Oregon 97203. (503) 283-7314. An affirmative action/equal opportunity employer.

CHAIRMAN, COMPUTER SCIENCE & ENGINEERING THE UNIVERSITY OF TOLEDO
The University of Toledo is seeking applicants for Chairman of the Computer Science & Engineering Program. Candidates should have at least five years of academic experience, including board or departmental chair experience, and a commitment to excellence in teaching and scholarship. Salary is competitive. Salary and rank commensurate with qualifications. Send resume and references to: Dr. John L. Lahti, Dean of Engineering, The University of Toledo, Toledo, Ohio 43606. The University of Toledo is an equal opportunity, affirmative action employer.

CLEVELAND STATE UNIVERSITY
Tenure track positions open at assistant, associate and full professor level. Responsibilities include graduate and undergraduate teaching (two courses per quarter) and research participation. Salary range $24,000 to $30,000 on a nine-month contract at level of assistant professor. Qualifications: Doctorate in Computer Science or closely related application area. Close relationships to business, engineering, science, and other departments to provide an environment conducive to research and consulting interests. In addition to university computing facilities, the department provides its own laboratories using various minicomputer systems with state of the art interactive facilities for faculty and students. Inquiries and vita should be sent to: Dr. James D. Schoeffler, Chairperson, Computer and Information Science Department, Cleveland State University, 1983 East 24th Street, Cleveland, Ohio 44115. Equal opportunity employer, M/F, H. COMPUTER SCIENCE FACULTY POSITION TRINITY UNIVERSITY SAN ANTONIO, TEXAS
One year term position at the rank of Assistant Professor of Computer and Information Sciences. PhD in Computer Science or equivalent required. Starting date is August 1982. Salary is commensurate with background and experience. Will teach 3 semester hours of computer science courses from freshmen through master's level courses (usually one 3-hour graduate course per semester), conduct some research, and perform minor service obligations. Department currently consists of a full-time faculty and some part-time lecturers; offers the BS and MS degree; has 130 undergraduate majors and about 55 graduate students; was founded in 1969 and supplies all of Trinity's service coursework in computer science in addition to the major programs. Computing facilities include: IBM 3031 with 496KB, 3.5MB disk storage, more than 40 timesharing terminals devoted to faculty and student use, several mini-computers, a microcomputer laboratory, and a graphics laboratory. Trinity University was founded in 1869 and is now located on a beautiful 100 acre campus in San Antonio. Enrollment is approximately 3250 students. San Antonio is widely recognized as one of America's unique cities. Population is approximately one million persons. San Antonio has a warm climate and is rich in history, beauty, places of historical interest and diverse cultural influence. Send resume and letters of recommendation to: John E. Howland, Chairman, Department of Computing and Information Sciences, 715 Stadium Drive, San Antonio, Texas, 78284. An Equal Opportunity Employer.
The Department of Computer Science of Memorial University of Newfoundland wishes to develop a graduate program of great distinction and is seeking applications for tenure-track or visiting research positions in senior ranks and in all areas of Computer Science. A Ph.D. in Computer Science or closely related area is required along with evidence of an established research record. The successful candidate will be expected to contribute to the development of an active research program in Computer Science.

Research support facilities within the Department include a VAX 11/780 currently running under UNIX Version 4.1 BSD Operating System and a PDP 11/34 and 11/10 also under UNIX. Graphics and microprocessor facilities are available. In addition there is access to an IBM 370/158, a VAX 11/780 running VMS, and DEC 11/70 running RSTS.

Salary will be commensurate with qualifications. Terms of appointment are flexible.

To be considered for one of these positions please send your curriculum vitae and the names and addresses of three referees to:

Prof. J. M. Foltz
Acting Head
Department of Computer Science
Memorial University of Newfoundland
St. John’s, Newfoundland, Canada
A1C 5S7

In accordance with Canadian Immigration regulations, first consideration will be given to those applicants who at the time of application are legally eligible to work in Canada for the period covered by this position.

FACULTY POSITIONS

Computer Science and Engineering Program
University of Toledo

Applications are invited for tenure track faculty. Applicants should have a doctoral degree in Computer Science, Computer Engineering or a related field. Instructional areas of competence desired are architecture, data base systems, languages, and operating systems. Although the program is limited to undergraduate offerings only, faculty research is encouraged. Salaries are open and dependent upon qualifications. Interested persons should send a resume and at least three references to Dr. Donald J. Ewing, Jr., Chairman, Computer Science and Engineering, University of Toledo, Toledo, Ohio 43606. The University of Toledo is an equal opportunity affirmative action employer.

COMPUTER SCIENCE DEPARTMENT
WICHITA STATE UNIVERSITY

Tenure track position at level of assistant or associate professor, depending upon qualifications. Ph.D. in Computer Science or related area required. Position involves teaching and research in program offering both Bachelor's and Master's degrees. Salary—open and competitive. Duties to begin August 15, 1982. Applications including three references, should be sent to:

Dr. Everald E. Mills, Chair
Computer Science Dept. — Box #83
Wichita State University
Wichita, Kansas 67208
Telephone (316) 689-3156

Deadline for applications: May 15, 1982
Wichita State University is an Equal Opportunity & Affirmative Action Employer.
The minimum/maximum closing date for the position is T4/80.

The Department currently consists of 18 faculty with a wide range of research and teaching interests. Hardware support includes an Amdahl 470-V8, a VAX 11/780, Nanodata QM-1, PDP-11's, a PLATO System and a well-equipped mini and microcomputer lab.

Please send curriculum vitae and names of three references to: Dr. L. W. Jackson, Acting Chairman, Department of Computer Science, University of Alberta, Edmonton, Alberta, Canada.

The Department has an equal opportunity employer but, in accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

The maximum annual salaries are:
- Assistant Professor: $27,720 to $39,820
- Associate Professor: $35,420 to $51,658
- Professor: $46,010 to $52,965

Closing date for applications: July 1, 1982.

**NEW CONCEPTS AND TECHNIQUES, REAL-LIFE SYSTEM EXAMPLES, AND A DESIGN METHODOLOGY FOR CONFIGURING RELIABLE COMPUTING STRUCTURES**

**The Theory and Practice of Reliable System Design**


Designed for practicing professionals and advanced undergraduate and graduate students, *The Theory and Practice of Reliable System Design* is divided into two sections. PART I introduces a broad range of concepts, techniques, and issues in reliable computer hardware design. Topics covered include how to combine economics with design, and cost modeling with reliability modeling. PART II illustrates these concepts and techniques by examining twelve real-life reliable designs, ranging from commercial to high availability to avionics systems. Described by the actual designers, reliability features are covered for such systems as the VAX and the Intel 432. The final chapter offers a methodology for reliable system design and illustrates how this methodology can be applied in an actual design implementation (the Intel 432).

1982, hardbound, 736 pages

Please send me __ __ copies of *The Theory and Practice of Reliable System Design* ($55.00).

Postage and handling free when your order is prepaid by check or charge card. Ten percent discount when ordering two or more copies. Return to: Digital Press Order Fulfillment, Digital Equipment Corporation, 12-A Estqure Road, Billerica, MA 01862.

□ Check included.
□ MasterCard.
□ Visa.
□ Purchase Order attached.

**MEMORIAL UNIVERSITY OF NEWFOUNDLAND**

**ST. JOHN'S, NEWFOUNDLAND, CANADA**

**FACULTY APPOINTMENTS**

The Department of Computer Science of Memorial University of Newfoundland wishes to develop a graduate program in computer engineering and is seeking applications for tenure-track positions in all ranks and in all areas of Computer Science.

Applications for senior positions should have a PhD in Computer Science or related area and should have an established record of research achievement. Applicants for Assistant Professor should have a PhD in Computer Science or be nearing completion of a PhD in Computer Science.

Responsibilities will include research as well as teaching and supervision at the graduate and undergraduate levels.

Department of Computer Science, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7

In accordance with Canadian Immigration regulations, first consideration will be given to those applicants who at the time of application are legally eligible to work in Canada for the period covered by this position.

**COMPUTER SCIENCE FACULTY POSITION**

The minimum/maximum closing date for this position is T4/80.

The Department of Computer Science of Memorial University of Newfoundland wishes to develop a graduate program in computer engineering and is seeking applications for tenure-track positions in all ranks and in all areas of Computer Science.

Applications for senior positions should have a PhD in Computer Science or related area and should have an established record of research achievement. Applicants for Assistant Professor should have a PhD in Computer Science or be nearing completion of a PhD in Computer Science.

Responsibilities will include research as well as teaching and supervision at the graduate and undergraduate levels.

Department of Computer Science, Memorial University of Newfoundland, St. John's, Newfoundland, Canada A1C 5S7

In accordance with Canadian Immigration regulations, first consideration will be given to those applicants who at the time of application are legally eligible to work in Canada for the period covered by this position.