McMasters University
UNIT FOR COMPUTER SCIENCE

Applications are invited for two tenure-track positions in Computer Science, commencing July 1, 1983. Applicants should have a Ph.D., demonstrated teaching ability and proven research record. Specialization in computer graphics, microcomputer networks, operating systems, database systems, or programming languages is desirable. Responsibilities include teaching at undergraduate and graduate levels, and research. Salaries are commensurate with qualifications; minima in 1982/83 are $23,540, $30,420 and $38,520 for Assistant, Associate and Full Professor. In accordance with Canadian Immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

University computing facilities include an IBM 3031 (for administration); a Control Data Cyber 170/730, several DEC VAXes and HP 3000's. The unit for Computer Science has a microcomputer lab, a computer graphics lab and several DEC PDP11/23's.

Please send curriculum vitae and arrange for three letters of reference to: Dr. E. Nelson, Chair, Unit for Computer Science, McMaster University, Hamilton, Ontario, Canada L8S 4K1.

FACULTY POSITIONS
GEORGE WASHINGTON UNIVERSITY

The Department of Electrical Engineering & Computer Science has openings for faculty positions in the areas of Computer Science and Data Communications. Persons should have an earned doctorate and research experience, with an interest in both teaching and research and the ability to attract research grants and contracts for support of faculty and assistants. Send Curriculum Vitae, list of publications and references, to Professor A. D. Fried, Chairman, Department of Electrical Engineering and Computer Science, School of Engineering & Applied Science, THE GEORGE WASHINGTON UNIVERSITY, Washington, D.C. 20052.

The University is an affirmative action and equal opportunity employer.

STANFORD UNIVERSITY invites applications for two faculty positions in the field of design. One position requires an individual with expertise in computer-aided design, human factors engineering and product design. The other requires an individual with expertise in production materials and processes and design for automated manufacture. Both individuals should have solid industrial experience, demonstrated ability to teach creative problem-solving and a high level of academic attainment.

Salary and rank depend upon candidate's qualifications. Stanford is an equal opportunity employer. Send resume to Professor Robert McKim, Design Division, Stanford University, Stanford, CA 94305.

RATES: $6 per line, $80 minimum charge (up to ten lines). Average six typeset words per line; nine lines per column inch. Add $8 for box number. Send copy at least six weeks prior to month of publication to: Donald Farnsworth, Classified Advertising, COMPUTER Magazine, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

To allow sufficient time for the 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 want $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.

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Electrical and Computer Engineering: The Department of Electrical and Computer Engineering at Clemson University, Clemson, South Carolina 29631, is seeking qualified individuals for several tenure track and visiting positions. The areas of specialization are not restricted and include computer communication systems, signal processing, semiconductor reliability and evaluation, microelectronics, controls, all areas of computer engineering, communications, and computer-aided design and manufacturing. Also, individuals interested in computer-aided manufacturing are being sought to interact with a newly established Center for Automated Manufacturing Technology. Research support facilities include two VAX 11/780 systems with graphics displays, a variety of mini and microcomputer systems in addition to an IBM 370 system in the University Computer Center. Special research support facilities including microelectronic laboratories are provided in the Rhodes Engineering Research Center immediately adjacent to the department.

Applicants should have a PhD with an outstanding academic record and a strong interest in both teaching and research. Resumes should be sent to Dr. A. Wayne Bennett, Head of the Electrical and Computer Engineering Department at Clemson University, Clemson, South Carolina 29631. Clemson University is an Equal Opportunity/Affirmative Action Employer.

KANSAS STATE UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

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 an equivalent or expect to receive it by December 1983. 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 for supporting research include three 32-bit UNIX-based minicomputers in the department and access to CSNET. Send resumes to: Dr. Virgil Wallentine, Head, Department of Computer Science, Kansas State University, Manhattan, Kansas 66506. KSU is an AFFIRMATIVE ACTION EQUAL OPPORTUNITY EMPLOYER.

ILLINOIS STATE UNIVERSITY Information Systems/Computer Applications

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

CASE INSTITUTE OF TECHNOLOGY CASE WESTERN RESERVE UNIVERSITY

We invite insightful and innovative researchers in experimental computer science to apply for tenure-track positions at all levels. We consider experimental computer science to encompass VLSI/CAD, architecture, graphics, database, teaching systems and software technology. Applicants will be judged primarily on their ability to strengthen our quest for excellence in research and teaching.

CWRU is a small private university with a total enrollment of about 8000 of which about 600 are MS and PhD students. The university campus is the hub of the pleasant area known as University Circle, an incorporation with other neighboring cultural centers and museums, which is about 10 miles from downtown Cleveland.

We also have access to/are three large DEC-20 systems of the university.

Applicants should submit their resume and names of three references to: Dr. C. W. Rose, Chairman; Department of Computer Engineering and Science; Case Western Reserve University; Cleveland, Ohio 44106. A Equal Opportunity/Affirmative Action Employer.

March 1983
Distinguished Assistant Professorship
Case Institute of Technology
Case Western Reserve University

Nominations and applicants are sought for the A. R. Jennings Distinguished Assistant Professorship in Computer Engineering and Science. Each of these tenure-track positions provides a guaranteed summer salary for two years, a funded research assistant, and $50,000 in discretionary funds for equipment. Salary is commensurate with the appointed rank. Successful candidates will have a commitment to teaching and strong research interests in one or more of the following areas of experimental computing: VLSI, graphics, operating systems, distributed computing, or architecture.

Applications should submit their resume, three letters of recommendation, and transcripts to: Professor C. W. Rose, Chairman, Department of Computer Engineering and Science, Case Western Reserve University, Cleveland, Ohio 44106. An Equal Opportunity/Affirmative Action Employer.

University of Houston

Applications are invited for tenure track faculty position in the Department of Computer Science starting September 1983. Rank and salary open. Candidates should have a Ph.D. in Computer Science or a closely related area, and strong research interest, particularly in operating systems, data base systems, computer graphics, 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.

University of Delaware

Are you interested in joining the Computer Science faculty of a growing, dynamic department in an attractive university town within easy commuting distance of New York, Philadelphia, Baltimore and Washington? The University of Delaware, centrally located on the East Coast, is recruiting prospective tenure track and visiting faculty for its Department of Computer and Information Sciences. Strong applicants in all areas of computer science are encouraged to apply. Special interest exists for candidates with research expertise in networks, distributed systems software, symbolic computation, languages, graphics, parallel architectures, software engineering, data base systems or other applied areas.

A Ph.D. or its equivalent, and excellence in research and teaching is required. Salary and rank will be commensurate with the candidate’s qualifications and experience. Applications will be accepted until the positions are filled. The appointment begins September 1983. The Department offers bachelor, master and doctoral degrees. Computing resources in the Computer Center include a DEC KL-10, a dual processor Burroughs 7700, a CDC Cyber 174, two VAX 11/780’s, and two PDP 11/70’s. Departmental research facilities include two VAX 11/780’s, a PDP 11/70, 11/50, 11/45 plus a number of smaller PDP 11’s, four Hewlett-Packard 9836A desktop computers, a parallel array network, and color graphics equipment. Delaware is a developmental center for CSNET and has direct access to ARPA net and TELENET. Candidates should send a vita and the names of three references to: B. F. Caviness, Department of Computer and Information Sciences, University of Delaware, Newark, Delaware 19711.

The University of Delaware is an equal opportunity, affirmative action employer. Applications from members of minority groups and women are encouraged.

North Carolina State University

Faculty positions in the Department of Computer Science are available at all levels. Areas of interest are:

Computer Communications
VLSI Architecture and Algorithms

Computer Software Performance Evaluation

Proven research ability or high potential is a must. A Ph. D. in computer science or a related field is required. The department is affiliated with the Microelectronics Center for North Carolina and the Industry/University Center for Communications and Signal Processing. We participate in research activities with organizations in the Research Triangle Park. Please send your resume and the names of three references to: Dr. Edward W. Davis, Chairman, Recruitment Committee, Department of Computer Science, North Carolina State University, PO Box 5972, Raleigh, NC 27650. NCSU is an AA/EO 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 competitive research activity, and a Doctorate in Electrical or Computer Engineering. Areas of research specialization that are of particular interest are computers and microelectronics. Resumes should be sent to Mr. G. W. Johnson (613 W. Lafayette, West Lafayette, Indiana 47907) or to Mr. J. W. Reed (Room 182, Electrical Engineering Building, Purdue University, West Lafayette, Indiana 47907). Immigration status of non-US citizens should be stated in a letter. Purdue is an equal opportunity/affirmative action employer.
Applications are invited for faculty positions in the Department of Computer and Information Science and the Department of Electrical and Computer Engineering at the assistant, associate, and full professor rank. Candidates should have a PhD and should show evidence of exceptional research promise. Senior level applicants should have a record of distinguished research. We are specifically seeking applicants with research interests in artificial intelligence, computer systems, and theory of computation. We have twenty-six full-time faculty in the areas with ongoing research projects in robotics, vision, brain theory, graphics, distributed processing, performance evaluation, analysis of algorithms, networking, database management, information retrieval, software development, office automation, and computer architecture. To support our research, we have eleven VAX systems with over eighty ports and a variety of graphics devices, all connected over an ethernet and servicing a community of 160 researchers. Our instruction is centered on a Data Lab (MIV-8000, PDP-11, Aims, Apps, and Kim's). The University has a Cyber 174. Deadline for submission of application is March 15, 1983. Send your application to: Prof. L. Clarke, COINS DEPARTMENT, Graduate Research Center, University of Massachusetts, Amherst, MA 01003. An Affirmative Action/Equal Opportunity Employer.

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SOUTHERN METHODIST UNIVERSITY**

The Department of Computer Science and Engineering has immediate openings for regular or visiting faculty at all ranks. Applicants should have a PhD degree and demonstrated research and teaching experience in computer science, electrical engineering, or a related area. Salary is competitive and commensurate with experience. Southern Methodist University is a private university with approximately 9000 students. The Department is in the School of Engineering and Applied Science, where a close working relationship exists with the Departments of Electrical Engineering and Operations Research of the same school, as well as with the Mathematics Department and the Business School. The Department presents a balanced program of research and education at all levels including PhD. Our current faculty strength lies in mathematics of computation, system software, and database systems. Preferred specializations are computer and system architecture, knowledge based systems, microprocessors, and computer networks. A variety of hardware and software, ranging from personal computers to supercomputers, are available to the Department members. The Dallas metroplex offers ample opportunity for interaction and consulting with the computer industry and software firms.

Applicants should send a complete resume, including three references, to: Dr. David Y. Y. Yun, Chairman, Department of Computer Science and Engineering, Southern Methodist University.

Southern Methodist University is an equal opportunity/affirmative action employer. Applications from women and minorities are particularly encouraged.

**PORTLAND STATE UNIVERSITY: ELECTRICAL AND COMPUTER ENGINEERING: COMPUTER SCIENCE FACULTY POSITIONS**

The Department of Electrical Engineering and Computer Science have four tenure-track faculty positions at the Associate or Full Professor level available in March, 1983. Applicants must have an earned doctoral degree. Areas of particular interest are VLSI Design, Digital Signal Processing, Interactive Computer Graphics, Computer Architecture, and Operating Systems. A VLSI Design Center has been established in the Electrical Engineering Department, and faculty have access to a number of computer installations for research purposes. Responsibilities include undergraduate and graduate teaching, development of sponsored research and interaction with local industry. Portland has a rapidly growing computer and electronics industry including Tektronix (world headquarters), Intel, Hewlett-Packard, Floating Point Systems (headquarters), Metheus, Mentor Graphics. Send applications, including a resume and the names of three references to: Dr. P. A. Frick, Head, Department of Electrical Engineering; or Dr. E. Enneking, Acting Head, Department of Computer Science, Portland State University, P.O. Box 751, Portland, OR 97207. Non-U.S. residents must state their visa status. Portland State University is an equal opportunity/affirmative action employer. Qualified minorities, women, and members of other protected groups are encouraged to apply.

**THE UNIVERSITY OF VERMONT**

Applications are invited for tenure-track faculty positions in Computer Science. The incumbents will be expected to teach at the graduate and undergraduate levels, to initiate and to conduct quality research programs and to supervise graduate student research. A PhD in Computer Science or closely related field is required, with demonstrated research capability in mainstream computer science essential. Positions are available immediately; applications will be accepted for as long as a position remains open. Send resume and the names of three references to: Dr. S. Rush, Computer Science and Electrical Engineering Department, Votey Building, Burlington, VT 05405. The University of Vermont is an Equal Opportunity/Affirmative Action Employer.

**ILLINOIS INSTITUTE OF TECHNOLOGY DEPARTMENT OF COMPUTER SCIENCE**

Applications are invited for several tenure-track faculty positions, rank and salary dependent on background and qualifications, starting in August 1983. Applicants should have a commitment to research, and to teaching at both the graduate and undergraduate levels. The department offers PhD, MS, MST, BS, and BA degrees. A PhD in computer science or an allied field is required. Qualified applicants in all areas of computer science will be considered; however, preference will be shown to applicants with interests in computer architecture, operating systems, systems programming, and programming languages. Send resume to: Prof. Wojick, Chairman, Department of Computer Science, Illinois Institute of Technology, Chicago, IL 60616. Illinois Institute of Technology is an equal opportunity/affirmative action employer.

**MORAVIAN COLLEGE**

**Computer Science Faculty Position**

Applications should have a strong commitment to excellence in undergraduate Computer Science teaching. Well-rounded individuals able to teach utilizing a hands-on approach in several of the following areas are invited to apply: operating systems, programming languages and systems, theoretical foundations, data base systems, and computer-based simulation/modeling techniques. The Computer Science major curriculum stresses a balance between the software and hardware aspects of computing. Coursework in both areas is required and provides heavy emphasis on hands-on experience. The College employs as its central computing facilities a PDP 11/45 and PDP 11/70, each using the UNIX operating system. There is also a well-equipped computing laboratory.

Moravian College is an independent liberal arts college which places primary emphasis on effective teaching and constructive relationship with students. Enrollment is stable at 1300 full-time and part-time students. Approximately 200 Computer Science majors attend day and evening sessions. Moravian's proximity to Princeton, New York City, and Philadelphia presents unusual opportunities for continued study and research. Minimum qualifications include a MS in Computer Science (or equivalent field; PhD in Computer Science preferred). Rank and salary will be determined by qualifications and experience. Send letter and resume to: Dr. Walter B. Brown, Chairman, Computer Science Department, Moravian College, Bethlehem, Pa. 18018.

**OREGON STATE UNIVERSITY**

**Computer Science Faculty Position**

Applications for tenure-track positions at the Assistant, Associate, and Full Professor levels, starting September 1983. Responsibilities include research and teaching at the undergraduate and graduate level. Candidates should have a Ph.D. in computer science or related field and some research experience. Areas of interest include programming languages and operating systems, information based systems, theoretical computer science, computer systems organization, artificial intelligence, and graphics. Send resume to: Fred M. Tonge, Chairman, Department of Computer Science, Oregon State University, Corvallis, Oregon 97331 by March 1, 1983. Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973.

**SOUTHEASTERN LOUISIANA UNIVERSITY**

**Computer Science Department**

The Computer Science Department invites applications for a tenure-track faculty position at the rank of Assistant Professor. 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 have three letters of recommendation sent to: Dr. D. L. Carver, Department of Computer Science, Box 506, Southeastern Louisiana University, Hammond, Louisiana 70402. Deadline for applications is April 15, 1983. SLU is an Affirmative Action/Equal Opportunity Employer.