UNIVERSITY OF ALASKA-FAIRBANKS

The Department of Mathematical Sciences invites applications for anticipated visiting and tenure track faculty positions in computer science. Rank and salary are open and dependent on qualifications and experience. Duties include teaching (primarily at the undergraduate level), research, and program development. A master's degree in CS or a related field is required for all applicants. A PhD is necessary for advancement in the tenure track. Send resume and names of three references to: Dr. Mary E. Shutter, Dean, College of Arts and Sciences, University of Alaska, Fairbanks, Alaska 99701. Please submit applications by March 1, 1983. Late applications will be accepted until positions are filled. Your application for employment with UAF may be subject to Public Disclosure if you are selected as a finalist.

THE UNIVERSITY OF ALASKA IS AN EO/AA EMPLOYER AND EDUCATIONAL INSTITUTION.

CALIFORNIA INSTITUTE OF TECHNOLOGY
Department of Computer Science

Caltech invites applications for several full-time faculty positions, tenured and tenure-track, at all levels, from persons with exceptional records and promise of innovative research and teaching. Our young department seeks to strengthen and broaden its research and teaching program from a present emphasis on concurrent computing and VLSI into complementary areas, particularly in theoretical computer science. Caltech has highly selected students, excellent facilities, and competitive faculty salaries. Please send a resume, list of publications, copies of your best publications, and names of at least three references to: Computer Science Search Committee, Caltech 256-50, Pasadena, CA 91125. Equal opportunity and affirmative action employer.

December 1982
RICE UNIVERSITY—Applications are invited for a faculty position in the Computer Science Program at Rice University. Applicants should have a PhD degree with a commitment to excellence in teaching and research. Candidates from all areas of Computer Science and Engineering will be considered. Each candidate will be considered individually. The Computer Science Program at Rice University is an equal opportunity/affirmative action employer. Send resume to T. A. Rabson, Chairman, Electrical Engineering Department, Rice University, P.O. Box 1892, Houston, TX 77251.

COMPUTER SCIENCE POSITION

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

THE UNIVERSITY OF ALABAMA IN HUNTSVILLE

The Computer Science Department invites applications for several tenure-track and visiting faculty positions. The department offers BS, MS and PhD programs. Candidates should have a PhD degree in Computer Science or a related field and will be expected to contribute to an ongoing research and teaching program. Rank is dependent upon qualifications. Salaries are competitive. Applications will be accepted as long as positions remain open. Part-time/full-time instructor positions are also available and require at least a Masters degree in Computer Science or related area. It is possible to pursue a PhD degree while working as an instructor.

Three letters of reference should be directed to: Dr. S. G. Siva, Chairman, Computer Science Department, the University of Alabama in Huntsville, Huntsville, Alabama 35899

The University of Alabama in Huntsville is an equal opportunity/affirmative action institution.

ARMOUK UNIVERSITY

Department of Electrical and Computer Engineering, Yarmouk University, Jordan. Invites applications for faculty positions available in the following areas: Languages and Compilers, Operating Systems, Data Bases, Computer Architecture, Microprocessor Systems, Design Automation. The positions are at the Assistant, Associate, and Full Professor levels and are available February and September 1983. A strong commitment to research and teaching at all levels is required. Applicants are invited to send their resume, copies of publications, and three references to: Dean, Faculty of Engineering, Yarmouk University, Irbid, Jordan.

THE UNIVERSITY OF TEXAS AT ARLINGTON

The Department of Computer Science and Engineering at The University of Texas at Arlington (UTA) invites your application for one of several tenure-track faculty positions in all areas of computer science and computer engineering. Preference will be given to persons with interests in operating systems, systems programming, computer graphics, and microcomputers. Candidates should have an earned doctorate or the equivalent and have a commitment to both teaching and scholarly research. Assistant professor and associate professor positions are available. Our department offers the Bachelor of Science, Master of Science, and PhD degrees and currently enrolls over 900 students, including 180 graduate students. We currently have 16 full-time faculty members plus several part-time faculty. Our facilities include an IBM 4341 computer system, a DEC System 2600, time-sharing terminals in each faculty office, as well as numerous minicomputers and microcomputers. UTA is located in a modern 300-acre campus in Arlington, Texas, near the center of the Dallas/Fort Worth metropolitan area. Interested persons should send their resumes to Professor Bill D. Carroll, Chairman, Computer Science and Engineering Department, P. O. Box 19015, The University of Texas at Arlington, Arlington, Texas 76019. Applications are to be considered for Fall '83 March 15, 1983. The University of Texas at Arlington is an Equal Opportunity Affirmative Action Employer.

FACULTY POSITIONS IN ELECTRICAL AND COMPUTER ENGINEERING

THE UNIVERSITY OF MICHIGAN

AN ARBOR, MICHIGAN

Applications are solicited for several additional faculty positions in various areas of electrical and computer engineering. The positions can be at any professorial rank. Qualifications include an outstanding academic record, significant involvement in research, a doctorate in electrical or computer engineering, computer science, or closely allied fields, and a strong commitment to teaching and research. Areas of specialization are not restricted. However, solid-state materials, devices, circuits and microelectronics; electro-optic devices and optical communication; computer architectures and signal processing, and all areas of computer engineering and science as well as robotics are of particular interest. Please send resumes to: Chairman, Department of Electrical and Computer Engineering, The University of Michigan, Ann Arbor, MI 48109. An equal opportunity/affirmative action employer.

UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN

DEPARTMENT OF COMPUTER SCIENCE

A limited number of positions for Assistant Professors to carry out instruction and research beginning Fall 1983. Salary open. Positions can lead to tenure. Recent PhD in computer science or a related discipline (regardless of chronological age) required. To assure complete consideration, applications should be received by March 15, 1983. Submit resumes to Professor John Esh, Chairman, Department of Computer Science, University of Illinois at Urbana-Champaign, 1304 West Springfield Avenue, Urbana, Illinois 61801. Phone: (217) 333-3426. The University of Illinois is an affirmative action—equal opportunity employer.

CALIFORNIA STATE UNIVERSITY, FULLERTON

The faculty of Electrical Engineering at California State University, Fullerton, seeks applications for tenure track positions at assistant professor level and for open lecturer positions starting in February 1984 or September 1983. Outstanding candidates may also be considered for associate professor level. Applicants should hold a PhD in electrical and/or computer engineering with specialization in computer and digital systems. Candidates must indicate interest in tenure track or lecturer position or both. Send resume and three references before January 31, 1983, to: Dr. Mohinder S. Grewal, Chairman, Electrical Engineering Department, California State University, Fullerton, CA 92634. Applications accepted until positions are filled.

CSUF is an AFFIRMATIVE ACTION/EQUAL OPPORTUNITY TITLE IX EMPLOYER.

COMPUTER SCIENCE UNIVERSITY OF MARYLAND BALTIMORE COUNTY

The UMBC Mathematics and Computer Science Department anticipates having several tenure-track and tenure positions available as the assistant, associate, or full professor level beginning September 1983. Candidates should have a PhD in computer science or in a closely related field, demonstrate research potential, and be able to teach a broad range of basic computer science courses and graduate courses in one's field of specialty. The Department offers a BA program in mathematics, a BS program in computer science, MS and PhD Programs in applied mathematics. Current graduate course offerings are grouped in the following areas: applied analysis, computer science, control systems, numerical analysis, operations research, statistics and probability. Send a curriculum vitae, reprints and/or preprints, names of at least three references to: Richard C. Roberts, Chairman, Department of Mathematics and Computer Science, University of Maryland Baltimore County, Catonsville, Maryland 21228. EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

FACULTY POSITION

INDIANA UNIVERSITY

COMPUTER SCIENCE DEPARTMENT

Applications are invited for several tenure-track positions at the assistant professor level beginning August, 1983. Applications at a higher level will also be considered. Applicants should have a PhD in Computer Science or a closely related field or equivalent demonstra- tion of ability in relevant scholarly research. The Department has a VAX 11/780 dedicated to computer science research and various other machines for research use. In addition the Department has a digital hardware lab with a PC board fabrication facility. Located in the wooded hills of Southern Indiana, Bloomington offers a stimulating research and cultural environment. Applicants should submit a vita, a paper or thesis abstract, a one paragraph statement on current interests, and the names of four references to: Edward L. Robertson, Chairman Computer Science Department Indiana University Bloomington, IN 47405

The University is an EQUAL EMPLOYMENT OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.
Faculty and Visiting Positions
UNIVERSITY OF WISCONSIN-MADISON

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

APPLICATIONS ARE INVITED FOR THE
MacARTHUR ASSISTANT PROFESSORSHIP
IN COMPUTER SCIENCE AT HARVEY MUDD
COLLEGE, CLAREMONT, CA 91711

Applications should have a strong general background in and commitment to computer science education. Opportunity to help develop the undergraduate and graduate computer science program for highly select students at the six Claremont Colleges. PhD (or nearlycomplete) in Computer Science. Tenure track position. Salary negotiable. Send resume to: Professor Wing Tam Chairman, Computer Science Harvey Mudd College, Claremont, CA 91711 HMC is an Equal Opportunity/Affirmative Action Employer.

THE UNIVERSITY OF TEXAS AT SAN ANTONIO

Tenure-track positions are available in computer science and related fields. The Division has a well-established undergraduate program and a Master's program. We are seeking individuals who will contribute to the further development of our graduate program in all areas, particularly in software engineering, AI, distributed processing, and biomedical applications. A PhD is required. Send resume to Professor Stanley G. Waymire, Director, Division of Mathematics, Computer Science and Systems Design, The University of Texas at San Antonio, San Antonio, Texas 78285. UTSA is an affirmative action/equal opportunity employer.

CALIFORNIA STATE UNIVERSITY,
NORTH RIDGE
Department of Computer Science

Applications are invited for a tenure track faculty position and for a non-tenure track lecturer position, both at the assistant or associate professor level, beginning August, 1983. A PhD in Computer Science or a related area is preferred for the tenured-track position. Send a resume and three letters of reference to Dr. Diane Schwartz, Chair, Computer Science Department, California State University, Northridge, Northridge, CA 91330 by March 1, 1983 for full consideration in the initial screening. Recruiting will continue until positions are filled. An equal opportunity/affirmative action, Title IX employer.

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Look to the source.

- The ITT Advanced Technology Center (ATC)—the largest ITT R&D facility in the Western hemisphere—is the Corporate window on the future. We are a primary source of advanced thinking vital to ITT's future in VLSI, information processing, software, and advanced communication systems design. Through active technology transfer to ITT units, the results of this R&D will help shape the character of every product and service ITT offers worldwide.

One of the major missions of the ATC is to pioneer new technologies and concepts for next generation communication systems. To meet this mission, the ATC has strongly backed programs focused on areas such as:

- distributed control and network technologies
- CAD
- packaging technology
- digital signal processing
- high performance subscriber loop interface
- man-machine interface
- state-of-the-art terminals
- data-base technology in information systems

A major long-range program is targeted towards sophisticated business communications systems using advanced technology. It will integrate voice and data switching, providing services to enhance user effectiveness: services such as voice and message communication, document preparation and storage, and access to external networks.

Located in a campus-like setting in Connecticut, the ATC has a single-minded striving for technical excellence, and a willingness to depart from the way things have been done in the past.

If your professional interests are in accord with our vision of the future, you too may wish to "look to the source." To investigate opportunities for candidates with an MS or PhD in EE or Computer Science (with or without experience), please send a detailed resume including salary requirements to Professional Staffing Manager, Dept. CM 12, ITT Advanced Technology Center, One Research Drive, Shelton, CT 06484.

ITT Advanced Technology Center

An Equal Opportunity Employer

December 1982
INSTRUMENTATION/CONTROL ENGINEERS
Project Leader Opportunities

Support SOHIO Corporate Research and Development

SOHIO is actively involved in the development of instrumentation and computer/control systems for new chemical processes, alternate energy sources, synthetic fuels, and new technologies. Our future depends on it. Qualified candidates will lead a select group in instrumentation and computer/control systems, participating in pilot plant programs, automation of experiments, technology surveys, conceptual design, and computer/control research.

The ideal candidate must have:
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- 3-10 years' experience
- A strong background in computer control
- The ability to lead engineers in an interdisciplinary environment

At our state-of-the-art Corporate Research Center near Cleveland, you will find a professionally rewarding work environment, attractive total compensation plan, comprehensive benefits, and the opportunity to make significant contributions to help meet our future energy needs and demands. SOHIO's relocation package for new hires who are homeowners includes a mortgage interest differential allowance, third party home purchase option, and other features often restricted to internal transfers.

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DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE
UNIVERSITY OF MIAMI

We anticipate one or two positions in Computer Science, beginning August, 1983. Applications are invited. Ranks and salaries are open, commensurate upon qualifications of the applicants. A candidate must have the PhD degree and excellent research record, or a definite research potential, with a strong commitment to teaching and research. Applicants should send vitae and three letters of reference to:

Shair Ahmad, Chairman
Department of Mathematics and Computer Science
University of Miami
P. O. Box 249085
Coral Gables, FL 33124
The University of Miami is a private, independent, international university and an equal opportunity and affirmative action employer.

Department of Electrical Engineering, University of Rhode Island. Faculty positions in Robotics and Computer Integrated Manufacturing. The Department of Electrical Engineering at the University of Rhode Island invites applications for tenure track faculty positions. Applications are solicited from outstanding candidates with strong background in electrical engineering and interest in (1) robotics and computer integrated manufacturing, (2) pattern recognition and computer vision, and (3) applied artificial intelligence. Responsibilities include undergraduate and graduate teaching and active participation in the Robotic Research Group at the University of Rhode Island. The Department offers BS, MS, and PhD degrees. Undergraduate enrollment is approximately 400, graduate enrollment is approximately 50, and the current faculty size is 20. Technical areas of notable strength within the Department are robotics, signals and systems, solid state optics, and materials. The University is located in scenic southern Rhode Island, within 1.5 hours to Boston and 3.0 hours to New York by car or train. Positions open immediately. Rank and salary consistent with qualifications. Send resume to Professor Louis Scharf, Chairman, Electrical Engineering, Kelley Hall, University of Rhode Island, Kingston, Rhode Island 02881. An affirmative action/equal opportunity employer m/f.

ROCHESTER INSTITUTE OF TECHNOLOGY
Faculty Position in Computer Engineering

The Department of Computer Engineering has excellent tenure track faculty position available at the assistant/associate professor level. Applicants will be expected to have a strong teaching interest and the ability to contribute to curricular evolution. Research in the areas of computer architecture, operating systems, design automation, VLSI design, computer communications and/or computer graphics will be encouraged. This position affords unique opportunities to work in the hardware/software interface and to exercise significant influence on research, laboratories, and curricula. Applicants should have completed a PhD degree in computer engineering or a related area by the time of appointment. Applicants should submit a resume and arrange for three letters of recommendation to be sent to Dr. Roy S. Czernikowski, Computer Engineering, Rochester Institute of Technology, Rochester, NY 14623. RIT is an equal opportunity affirmative action employer.
SOFTWARE ENGINEERING
DEPARTMENT HEAD

Applications are invited for the headship of the Department of Software Engineering in the School of Science and Engineering at Seattle University beginning fall, 1983. Applicants are expected to possess the PhD in computer science or a related field and to have extensive teaching, research, and professional experience in both theoretical and applied aspects of software engineering. The Seattle University Software Engineering Department comprises about 90 masters candidates. The University anticipates growth in research and development in areas such as the baccalaureate program in computer science as well for which the new head would have primary responsibility. Substantial opportunities exist in the Seattle area for industrial consultation. Applicants should submit their resumes and transcripts, as well as the names and addresses of three references, to Dean Terry J. van der Werf, School of Science and Engineering, Seattle University, Seattle, WA, 98122. Closing date for receipt of applications is February 1, 1983. Seattle University is an equal opportunity/affirmative action employer.

WRIGHT STATE UNIVERSITY

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

Dr. Larry A. Crum, Chairman
Department of Computer Science
Wright State University
Dayton, OH 45435

Purdue University Faculty Positions

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

Florida State University

The Department of Mathematics & Computer Science anticipates a faculty position in Computer Science starting Fall 1983. Rank/salary commensurate with qualifications and experience. PhD in Computer Science or related disciplines required. Areas of special interest include computer architecture, software engineering, computer graphics, intelligent systems, database management, and computer networks. Please send resume to: A. Kandel, Department of Mathematics & Computer Science, Florida State University, Tallahassee, FL 32306. FSU is an EEO/AA/MAFFIRMATIVE ACTION EMPLOYER. Apply by February 25, 1983.

FACULTY POSITIONS IN ELECTRICAL ENGINEERING

Applications are invited for tenure-track faculty positions in the areas of computer engineering, image processing, microprocessor and communication systems. Outstanding candidates involved in teaching at the graduate and undergraduate level and participation in research. Applicants must have a PhD or equivalent. Rank and salary depend on qualifications. The Electrical Engineering Department has recently received more than $4 million as an endowment for its programs. The department has more than $500,000 per year sponsored research and a PhD program. To establish their research programs, new faculty will be given special consideration in terms of equipment budget and summer support for the first two years. Send resume to Dr. V. S. Raju, Chairman, Electrical Engineering Department, Clipping Research Labs, Ohio University, Athens, Ohio 45701. An equal opportunity and affirmative action employer.

Systems Analyst, Chinese Language

To analyze Chinese characters and design code for Chinese character data base in microcomputer language, design system control program to operate Chinese character data base. MS Computer Science required. Starting salary $2250 per month.

Contact: W. H. Phillips
Virginia Employment Commission
5145 E. Virginia Beach Blvd.
Norfolk, Virginia 23502

Research Engineer/Scientist Associate II

Hardware, firmware and software design and development for a reconfigurable network architecture computer system. Design, development and testing of microcode for such a computer. Modification of hardware design of processor and switch circuit design is necessary for correctness and reliability. Salary to be $2,310/month. Education required: Master's Degree in computer science or electrical engineering. Training required: At least one year's training or experience in microprogramming. Experience required: Two years in computer firmware or software. Direct experience with reconfigurable and/or network architecture computer systems is required. Apply at the Texas Employment Commission, Austin, Texas or send resume to Texas Employment Commission, TEC Building, Austin, Texas 78778, J. O. #2718794. An Equal Opportunity/Affirmative Action Employer.

Norwich University

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

Texas A&M University

Applications are invited for tenure-track faculty positions in computer engineering and related subjects. Qualifications include a PhD degree and strong potential in both teaching and research. The department serves 150 graduate students and 1500 undergraduate students with a permanent faculty of 43. Send resume and names of professional references to W. B. Jones, Head, Electrical Engineering Department, Texas A&M University, College Station, Texas 77843. Texas A&M is an affirmative action/equal opportunity employer.
PROFESSOR OF COMPUTER ENGINEERING/COMPUTER SCIENCE
UNIVERSITY OF FLORIDA

The Department of Computer and Information Sciences and the Department of Electrical Engineering seek nominations or applications for tenure-track faculty positions at the full professor level. Candidates are expected to have a distinguished record in teaching and research, have a demonstrated ability to attract external funding, and have experience in supervising doctoral candidates.

It is contemplated that the faculty members selected will have joint appointments in both departments, with the major appointment being determined by individual abilities and interests. Salaries will be nationally competitive. Recruit- ing deadline is February 15, 1983. Expected starting date is August 5, 1983. Send applications or nomination to Dr. Roger W. Elliott, Chairman, Computer and Information Sciences Department, or to Dr. Blake E. Cherrington, Chairman, Department of Electrical Engineering, University of Florida, Gainesville, FL 32611.


TULANE COMPUTER SCIENCE

Applications are invited for tenure-track faculty positions at all ranks. Visiting faculty and those seeking partial support during sabbatical years are also welcome to apply. Applicants should have a Ph.D. in Computer Science or a related area and should have a commitment to quality research and teaching. Rank is dependent on qualifications. Salary is competitive. Major computer resources include the Department’s VAX 11/780 and the University’s DEC20. Applications should be addressed to Dr. Larry Reker, Department Head, Computer Science Department, School of Engineering, Tulane University, New Orleans, LA 70118. Closing date is January 1, 1983. Tulane is an Affirmative Action Equal Opportunity employer.

KLA INSTRUMENTS
ADVANCED DEVELOPMENT IMAGE PROCESSING GROUP

We are seeking a key individual to start the development of a new image processing product. Initially this individual will be developing both and testing algorithms and running computer simulations on video images. After successful demonstration of product feasibility a group will be formed to develop special purpose hardware and software for the end product. Applicants should be self-motivated, have at least 4 years experience and a record of success in the image processing field. A Ph.D. in Computer Science, Physics, Math or Electrical Engineering is desirable. The Advanced Development Group at KLA Instruments is responsible for research and development of image processing equipment for factory automation. Our equipment is used worldwide in the semiconductor industry. We have consistent record of financial and technological success. Come enjoy the small company benefits while working towards your goals. Well defined and your contribution is noticed and valued. Experience the satisfaction that comes from seeing the results of our work apply to real problems. If this is the kind of environment that you would like to work in then write, in confidence, to Paul Sandlin, VP Advanced Development, KLA Instruments, 1510 McCarthy Blvd., Milpitas, CA 95035.

Computer Faculty Positions. The Department of Electrical and Computer Engineering at LSU invites applications for tenure-track positions starting August 1983 in the area of computer systems, including microprocessors, distributed processing systems and special purpose architectures. A Ph.D. and potential for excellence in teaching and research are necessary. Rank and salary, which is competitive, are commensurate with qualifications and experience. Send resume, names of three references, and a statement of teaching and research interests to: Alan H. Marshak, Acting Chairman, Electrical and Computer Engineering, Louisiana State University, Baton Rouge, LA 70803. LSU is an equal opportunity employer.

SYRACUSE UNIVERSITY

The School of Computer and Information Science has two openings at the rank of Assistant Professor (tenure track), to begin in September, 1983. The posts will entail graduate and undergraduate teaching and the supervision of doctoral research. A Ph.D. or equivalent, published research is required. Research specialization in programming methodology, analysis of algorithms, operating systems, logic programming, or computer design will be of particular interest. An appointment at a higher rank will be considered for an exceptional applicant. The School has substantial modern computing facilities which support a number of on-going research projects. Resumes, names of referees, and selected papers or theses should be sent by February 1, 1983 to Prof. E. J. Sibert, 313 Link Hall, Syracuse, University, Syracuse, New York 13210. Syracuse University is an equal opportunity, affirmative action employer.

THE JOHNS HOPKINS UNIVERSITY
Department of Electrical Engineering and Computer Science

Applications are invited for 2 tenure-track faculty positions in computer science. These will be available in September 1983, although a starting date of January 1983 is also possible. Candidates for appointment at the Assistant Professor level are preferred, but Associate Professor appointment can be considered. All areas of specialization are of interest. Candidates should have a strong commitment to research and graduate education. Send resumes, including names of at least 3 references, to: Wilson J. Rugh, Chairman Department of Electrical Engrg. & Computer Science The Johns Hopkins University Baltimore, Maryland 21218 The John Hopkins University is an equal opportunity/affirmative action employer.

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UNIVERSITY OF RHODE ISLAND

Department of Electrical Engineering, University of Rhode Island. Faculty positions in Computer Engineering and Optical Communications. The Department of Electrical Engineering at the University of Rhode Island invites applications for tenure-track faculty positions. Applications are solicited from outstanding candidates with strong background in electrical engineering and interest in (1) digital systems and computer engineering, (2) minicomputer and microcomputer applications, (3) computer architectures, (4) MOS structure design and VLSI, and (5) optical communications and devices. Responsibilities include undergraduate and graduate teaching and research program development. The Department of Electrical Engineering offers BS, MS and PhD degrees, with BS degree options in Biomedical Electronics and Computer Electronics. Undergraduate enrollment is approximately 400, graduate enrollment is approximately 50, and the current faculty size is 20. Technical areas of notable strength within the Department are robotics, signals and systems, solid state optics, and materials. The University is located in scenic southern Rhode Island, within 1.5 hours to Boston and 3.0 hours to New York by car or train. Positions open immediately. Rank and salary consistent with qualifications. Send resumes to: Professor Louis Scharf, Chairman, Electrical Engineering, Kelley Hall, University of Rhode Island, Kingston, Rhode Island 02881. An affirmative action/equal opportunity employer m/f.

GEORGIA INSTITUTE OF TECHNOLOGY

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

The school is experiencing substantial growth which is well supported by the Institute. Currently there are 23 faculty and over 200 Masters and Ph.D. students. The school is well equipped in distributed systems, theoretical computer science, and human factors. The School has unusually well-equipped computing facilities to support computer science education, with 12 mini-computers—5 PRIME's, a VAX 11/780, a PDP 11/45, an HP-1000, an HP-3000, and 3 IBM Series 1's. Machines and faculty offices are interconnected via a high speed local area network which also provides access to CSNET. Easy access is also available to Institute facilities for general computing (CDC CYBER systems and an IBM 4341).

Georgia Tech is located in Atlanta, which experiences a mild, sun-belt climate. It is the center of commerce in the Southeast, offering a diverse economy and good employment opportunities in all professional areas. Atlanta offers good recreational opportunities, extremely attractive residential neighborhoods, and affordable housing.

Candidates should send complete resumes and names of references to:

Professor Raymond E. Miller, Director School of Information and Computer Science Georgia Institute of Technology Atlanta, Georgia 30332 (404) 385-7154 Georgia Tech is an equal opportunity employer.

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COLUMBIA UNIVERSITY

The Department of Computer Science at Virginia Tech invites applications for faculty positions, preferably at the Assistant Professor rank, beginning September 1, 1983. Applicants should have a strong commitment to research and teaching at both the graduate and undergraduate levels. A PhD in Computer Science is required. Applications for a closely related discipline are also considered. Please send vita, three references, and a statement of research interest to: Prof. D. E. Ingalls, Department of Computer Science, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061. Virginia Tech is an Equal Opportunity/Affirmative Action Employer.

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

The University of North Carolina at Charlotte has several tenure-track openings in Computer Science for 1983-84. PhD in Computer Science preferred. PhD in related field and MS in Comp. Sci. or equivalent acceptable. UNCC is affiliated with the Microelectronics Center of North Carolina. Closes Jan. 20, 1983 and two weeks thereafter until positions are filled. Reply to Prof. J. Quinn, Dept. of Math., UNCC, Charlotte, N.C. 28223. UNCC is an Equal Opportunity Employer.

UNIVERSITY OF NORTH CAROLINA

University of North Carolina at Charlotte has several tenure-track openings in Computer Science for 1983-84. PhD in Computer Science preferred. PhD in related field and MS in Comp. Sci. or equivalent acceptable. UNCC is affiliated with the Microelectronics Center of North Carolina. Closes Jan. 20, 1983 and two weeks thereafter until positions are filled. Reply to Prof. J. Quinn, Dept. of Math., UNCC, Charlotte, N.C. 28223. UNCC is an Equal Opportunity Employer.

UNIVERSITY OF PORTLAND

Electrical/Computer Engineering faculty positions will be open at the University of Portland, a small private institution located in the beautiful Northwest. Rank open. Specializations in computer hardware/software, VLSI design, electronics, power, or semiconductors. To teach undergraduate and graduate courses, participate in curriculum and laboratory development, and contribute to the profession by research or consulting. We have excellent facilities and we reward quality undergraduate instruction. We are in a dynamic phase of development, and the new faculty members will contribute to this in an atmosphere of support, flexibility, and opportunity. We have strong ties with local industry and we encourage consulting. PhD is preferred, but consideration will be given to MS level candidates with industrial experience. Tenure track positions, available January 1983 or thereafter. Send resume to: Dr. Robert J. Albright, School of Engineering, University of Portland, Portland, Oregon 97203. Equal opportunity/affirmative action employer.

SOFTWARE ENGINEERING

Major long-term defense programs provide a strong and stable business base for us and exceptional potential for technological achievement and professional growth for those who join us. Immediate assignments involve the Raytheon Md 92 Fire Control System - a fast-reacting modular system capable of continuous search, multiple tracking and simultaneous engagement — as well as Radar, Navigation/Guidance and ASW systems.

GTE SAVVIS

Software Engineering

TACTICAL SOFTWARE DEVELOPMENT ENGINEERS — Real-time computer program development for military digital systems. Definition, design, implementation and test. At least 5-6 years real-time programming experience, with ability to translate system requirements into functional modules. Experience with microprocessor based computers or Univac AN/UYK-20 or AN/UYK-7 highly desirable. BS in Electrical Engineering, Math or Computer Science.

SOFTWARE QUALITY ASSURANCE ENGINEERS — Independent, objective validation testing is Sperry's technique for improving software quality. You'll participate in real-time validation test planning, generate specifications and procedures, and conduct tests. At least 3-5 years experience and knowledge of digital computer software and development and test highly desirable. BS in Engineering or Computer Science.

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