COLUMBIA UNIVERSITY DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING

The Department of Electrical Engineering has four tenure-track faculty positions at the Assistant, Associate or Full Professor level available in January 1984. Applicants must have an earned doctorate. Areas of particular interest are:

- Computer Engineering (VLSI Design, Computer Vision, Graphics, Architecture, Operating Systems)
- Power Engineering (Power Systems, Power Electronics)
- Control Communications (Digital Control, Robotics, Signal Processing)
- 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.

Send applications, including a resume and the names of three references, to D. P. A. Frick, Head, Department of Electrical Engineering, 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.

Chairperson, Department of Computer and Information Science
THE OHIO STATE UNIVERSITY

Nominations and applications are invited for an outstanding individual to chair the Department of Computer and Information Science, in the College of Engineering at the Ohio State University beginning Autumn Quarter, 1984. The position carries a 12-month faculty appointment, and the applicant should possess the qualifications for the rank of full professor. The department has about 27 (full-time equivalent) faculty members and additional teaching staff. There is a strong research record and is active in sponsored research on a broad front. There is also a commitment to quality instruction at the BS, MS, and PhD levels.

Candidates should have a well-established reputation in research and scholarship, a good understanding of the broad spectrum of computer and information science, ability to promote active research and quality teaching, and some administrative experience.

Send nominations and applications, or on or before February 1, 1984 to:

Tse-yun Fung
Chairperson Search Committee
Dept. of Computer and Information Science
The Ohio State University
2036 Neil Avenue Mall
Columbus, OH 43210
Phone: (614) 422-1408

THE OHIO STATE UNIVERSITY IS AN EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER.
CAD/CAM/CAE SOFTWARE ENGINEERS.

Opportunities open for creative software development professionals. BS, MS, or PhD required with experience and a good academic record. If you are interested in joining an innovative CAE work group design team committed to advancing state-of-the-art product design technology, forward your resume to Wayne Causey, Howard Industries, Inc., P. O. Box 1588, Laurel, MISSISSIPPI 38440, (601) 425-3151.

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 or Computer Engineering. Areas of research specializations that are of particular interest are computers and microelectronics. Resumes should be directed to Head, School of Electrical Engineering, Purdue University, West Lafayette, IN 47907. Immigration status of non-U.S. citizens should be stated in dossier. Purdue is an Equal Opportunity/Affirmative Action Employer.

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 PhD degree by Fall 1984 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, data communications/computer networking, and computer graphics. Very competitive salaries are offered.

The School is experiencing substantial growth which is well supported by the Institute. Currently there are 25 faculty and 200 Masters and PhD students. Research areas include distributed systems, theoretical computer science, human factors, artificial intelligence, graphics, software engineering and VLSI. The School has unusually well-equipped computing facilities to support computer science research and education, with 12 mini-computers—a 5 PRIME’s, a VAX 11/780, an Ikonas RDS 3000, an HP-1000/45F, a Symbolics 3600 USP Machine, an HP-3000/44 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 3411).

Georgia Tech is located in Atlanta, which experiences a mild, subcontinental 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 three references to: Professor Raymond E. Miller, Director, School of Information and Computer Science. Georgia Institute of Technology, Atlanta, Georgia 30332. (404) 894-3154. Georgia Tech is an equal opportunity employer.

UNIVERSITY OF SOUTHERN CALIFORNIA

The Department of Electrical Engineering-Systems at the University of Southern California announces tenure track faculty positions at all levels in Computer Engineering. The Computer Engineering faculty position covers the following areas: Computer Architecture, Design Automation: Fault Tolerance: Microprocessors; VLSI Systems and Design; Performance Evaluation; Computer Networks, Artificial Intelligence; Robotics; Numerical Techniques. We are especially interested in candidates in Architecture, Networks, Performance Evaluation and Fault Tolerance but will consider applications in any area of Computer Engineering. Send a resume and the names of at least 3 academic references to: Leonard M. Silverman, Chairman, Dept. Electrical Engineering-Systems, University of Southern California, Los Angeles, CA 90089-0781. USC is an Equal Opportunity/Affirmative Action Employer.

ECE FACULTY POSITION

Applications and nominations are invited for a tenure-track position open at the Assistant or Associate Professor level within the Electrical & Computer Engineering Department at the University of Kansas. A PhD in Electrical Engineering or closely related field and a desire to teach and conduct research in area of Communications and Radar Systems are required. Experience with microwave hardware and industrial experience are desirable but optional. The ECE Department has some 700 students at all levels, with 18 faculty members, and conducts over $1,000,000 in sponsored research. The position offers an excellent opportunity for professional growth in a fine community. Send application with a resume and the names of three references to Dr. Julian Holtzman, Chairman, Electrical & Computer Engineering, University of Kansas, Lawrence, KS 66045 by January 15, 1984. KU is an EEO/AA employer.

Network Management is expands...
THE UNIVERSITY OF WISCONSIN-LA CROSSE

Computer Science Department Positions

The Department of Computer Science of the University of Wisconsin-La Crosse invites applications for faculty and academic staff positions to begin January 1984, with rank of Instructor through Full Professor, dependent upon qualifications. Faculty applicants must have a Ph.D. in Computer Science or related discipline, while applicants to Assistant Professor and lower ranks must have a master's degree in Computer Science or related discipline. Applicants are solicited particularly in the areas of Database Design, Artificial Intelligence, Computer Information Systems and Computer Science Education. Duties will be primarily instructional with the individual expected to provide leadership in his/her areas of expertise. Please send resume, three letters of recommendation and transcripts to Dr. David Riley, Department of Computer Science, University of Wisconsin-La Crosse, La Crosse, WI 54601. AA/AEOE

PENDING FACULTY VACANCIES, LOYOLA UNIVERSITY

New Orleans invites applications for a tenure-track position at the Assistant Professor level in Computer Science or Mathematical Sciences. Desired qualifications include a doctorate in Computer Science or Computer Information Processing and a commitment to quality teaching and research. The Department of Computer Science offers a B.S. degree in Mathematics, a B.S. degree in Computer Information Processing and a B.S. degree in Computer Science. Academic computing facilities include an IBM 3033IT and a VAX 11/750. The successful candidate will be responsible for undergraduate teaching and graduate courses in computer science. The successful candidate will also be expected to participate in the graduate program and other activities of the department. Salary is competitive with other institutions offering excellent teaching opportunities. Applications should include a letter of interest, a curriculum vitae, and three letters of recommendation. Mailed applications should be sent to: Dr. Antonio M. Lopez, Chairman, Department of Mathematics and Computer Science, Loyola University, Box 51, New Orleans, LA 70118. Loyola is an Equal Opportunity Affirmative Action Employer.

The Computer Science Department at the University of Tennessee at Chattanooga seeks applicants for a position of Assistant or Associate Professor. The position will be available in January 1984. Duties include undergraduate and graduate teaching, curriculum development, student advising and direction, research, and other professional responsibilities. A Ph.D. in Computer Science or a closely related field is desirable but an MS in Computer Science or equivalent experience will be considered. The successful candidate will be expected to direct and design and develop instruction in computer science, which is the subject of special interest. Send applications to: Dr. Jack Thompson, Chair, Computer Science Department, University of Tennessee at Chattanooga, Chattanooga, TN 37402 or call (615) 755-4329.

The University of Tennessee is an Equal Opportunity Affirmative Action Employer.

DEPARTMENT OF ELECTRICAL ENGINEERING

University of Washington

FACULTY POSITIONS IN ELECTRICAL ENGINEERING

The Department of Electrical Engineering at the University of Washington invites applications for tenure-track faculty positions in computer engineering. Of particular interest is the Assistant Professor level for those who have recently completed their doctorate or expect to do so this academic year. However, applications from individuals with distinguished professional experience beyond the doctorate will also be considered for possible appointment at a higher rank. Responsibilities include undergraduate and graduate teaching, and the development of strong research programs. Areas of special interest are: Computer Architecture, Real-Time Programming, Distributed Systems, Computer Networks, Parallel Processors, Robotic Applications, Peripherals and I/O Subsystems. A variety of computer resources are available to support both teaching and research including an IBM 4341, VAXes, H. P. 1000, H. P. 64000 and a CDC Cyber System. At the Assistant Professor level, these positions are eligible for career development awards which provide for full summer research support and conference travel. Possible starting dates are between now and September 1984. Send resume with four references to Professor James S. Meditch, Chairman, Department of Electrical Engineering, University of Washington, Seattle, WA 98195. The University of Washington is an equal opportunity/affirmative action employer.

Ideas, innovations, new products wanted by one of America's leading invention marketing firms to submit to industry and represent at National Inventor's Exposition. Call free 1-800-528-6050. Arizona, 1-800-352-0456. Extension 831. Or write IMI-MACP, 701 Smithfield Street, Pittsburgh, Pa. 15222.

CHAIRMAN, COMPUTER AND ELECTRONICS DEPARTMENT

The Armed Forces Radiobiology Research Institute is seeking an individual to serve as Chairman of the Computer and Electronics Department. This Institute, under the command of the Defense Nuclear Agency, is the principle radiobiology research laboratory for the Department of Defense. The Chairman supervises approximately 25 employees involved in instrumentation design, software design and biomedical and electronic equipment maintenance. The Chairman is responsible for directing the design and development of electronic and computer devices which advance radiobiology research; for developing advanced equipment for the capture, conversion and transmission of data; and for designing instrumentation systems. Mandatory qualifications include knowledge of high-level programming languages, hardware interfacing, instrumentation system design, principles of software engineering and management experience. A desirable qualification is a Ph.D. in a physical, biological or computer science. This Civil Service position is available immediately. Salary ranges from $41,277 to $53,661. Direct inquiries to Mr. Vince Ackermann at 202-295-1426. Submit applications including SF-171 and curriculum vitae by November 30, 1983 to: The Armed Forces Radiobiology Research Institute, Civilian Personnel Office, Bethesda, Md 20814. Reference Announcement No. 43/83. An Equal Opportunity Employer.

INSTRUCTOR ELECTRONICS

The College of Lake County is a comprehensive two year public community college serving over 12,000 students in and near Lake County, Illinois. This is a challenging opportunity to be a part of our 2 year Associate Degree program in Electronics Technology. A bachelor's degree in Electrical Engineering or Technology and a minimum of 3 years industrial experience are required. Master's degree plus teaching experience is preferred. Experience with digital electronics or microprocessors a plus. Strong analog background will also be considered. This position begins January 9th, 1984 and offers a salary and administrative workload. Completed application, resume, official transcripts from all colleges attended (copy will suffice for deadline), placement credentials or 3 letters of reference must be received before November 15th, 1983. For application contact: Personnel COLLEGE OF LAKE COUNTY 312/223-6601 ext. 216 19351 W. Washington, Glenlake Park, IL 60025. The College of Lake County is an Affirmative Action/Equal Opportunity Employer. Women and minorities are encouraged to apply.

DIRECTOR, MICROELECTRONIC and INFORMATION SCIENCES CENTER, UNIVERSITY OF MINNESOTA

The MEIS Center is seeking a top calibre research scientist to initiate and direct research, education and technology transfer programs in the microelectronic and information sciences. The Director will be responsible for scientific and administrative leadership in multidisciplinary programs and industry-university collaboration. Currently funded by 3M, CDC, Honeywell, Sperry, University of Minnesota, the State of Minnesota and national research agencies, the MEIS Center Director will build upon the current funding base of $10 million to expand industry, government and private participation in the center. Qualified applicants must have PhD degree and established research and management experience in one of the fields of microelectronics and information sciences. Candidates must have international stature and qualifications commensurate to those of a full professor at a major research university. Candidates must demonstrate strong intellectual leadership, ability to promote collaboration and team efforts in both basic and applied research. Applications with three suggested references or nominations are solicited before February 15, 1984 and should be sent to Chairman of Search Committee for MEIS Director (612)-376-9122, MEIS Center, 227 Lind Hall, 207 Church St. S.E., Minneapolis, MN 55455.

Emporia State University invites applications for an Assistant or Associate tenure-track appointment. PhD in Computer Science preferred. PhD in Mathematics, Statistics or a closely related area with strong background in Computer Science will be considered. Excellence in teaching and commitment to scholarly activity is expected. Send resume and three letters of reference to Mr. Carl Carlson, Search Committee Chair, Division of Mathematical and Physical Sciences, Emporia State University, Emporia, Kansas 66801. Deadline for applications: February 15, 1984 or until position filled. Appointment date: August 15, 1984. Equal Opportunity Employer.

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Applications are invited for multiple tenure-track faculty positions in Computer Science. Candidates from all areas of Computer Science will be considered. Applicants with significant research records or potential in Programming Language Design and Implementation, Operating Systems, Theory of Computation, Data Structures/Algorithms, Database Systems and Artificial Intelligence are especially desired. The state of Arizona, the University and the very substantial new high technology industries in the Phoenix area are committed to developing excellence in computer science research at ASU. New research facilities are being occupied in the fall of 1983, and the development of a nearby research park is well underway. The University is located in the Phoenix metropolitan area which provides outstanding research and consulting opportunities in the electronics and computer fields. Departmental computing facilities include multiple VAX 11/780s running Unix and VMS, a Honeywell 68/60 Multics system, two Harris 800s, a state-of-the-art micro-systems laboratory and distributed systems research facilities. An IBM 3081, IBM 4341 and PDP 11/70s are also available for instruction and research. Please send a curriculum vita, including names of at least three references to Dr. W.E. Lewis, Chairman, Department of Computer Science, Arizona State University, Tempe, AZ 85287.

First deadline is January 31, 1984, or until positions are filled.

Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF CALIFORNIA
BERKELEY

The University of California at Berkeley invites applications for one or more tenure-track faculty positions in COMPUTER SCIENCE. Applications for the ASSISTANT PROFESSOR level will be given highest preference.

Candidates should have a doctoral degree and demonstrated research accomplishments in the field of Computer Science. Highest preference will be given to candidates who can bridge between computer theory and some more applied area. Some teaching experience would also be desirable. Send resume and names of three references by January 1, 1984, to:

Professor Domenico Ferrari
Associate Chairman
Computer Science Division
Dept. of Electrical Engineering
and Computer Sciences
University of California
Berkeley, California 94720

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

RICE UNIVERSITY-Applications are invited for an anticipated 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. However, the program has a special interest in candidates with research experience in the areas of Soft-ware Engineering and Parallel Computing System. Salary and rank will depend on qualifications. Rice University is an Equal Opportunity/Affirmative Action Employer. Send resume to T.A. Rabson, Chairman, Electrical Engineering Department, Rice University, P.O. Box 1692, Houston, Texas 77251.

NORTH CAROLINA STATE UNIVERSITY

Applications are invited for faculty positions in the Department of Computer Science. Tenure-track or senior level positions are available in all areas of teaching and research. Applicants must have a PhD in Computer Science or a related field.

Opportunities for research are plentiful. The university is located in the Research Triangle Park area of North Carolina where several leading corporations and the Microelectronics Center of North Carolina have major facilities. The department participates in the Industry/University Center for Communications and Signal Processing. Computing resources are available within the department, the university and the Triangle Universities Computation Center.

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
Raleigh, NC 27650

NCSU is an Affirmative Action/Equal Opportunity Employer.

Naval Postgraduate School, Monterey, California, Electrical Engineering Department has faculty vacancies. Qualifications include a PhD, dedication to quality teaching at the graduate and undergraduate levels and a strong interest in performing sponsored research, primarily with students in MS programs. Teaching and research areas of interest include Computer Engineering (Distributed Computers, Networks, Architecture, VLSI Design, Logic Design and Testing, Microprocessors, Design, CAD), Electro-optics, Robotics, Communications, Control Systems, Radar/Electronic Warfare and Applied Electronics. Appointments will generally be made at the Assistant Professor level. Applications for visiting appointments at all levels are also solicited. Resumes, vita status and a list of three references should be addressed to: Professor Donald Kirk, Department of Electrical Engineering, Code 62X, Naval Postgraduate School, Monterey, CA 93943. The closing date for applications is 15 February 1984. An EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

UNIVERSITY OF MINNESOTA, DULUTH

Two tenure-track faculty positions starting September, 1984. Assistant or Associate Professor. Doctorate in Computer Science or related field with substantial Computer Science background desired. Duties include teaching 6-8 hours per week and pursuing an active research program. Salary at least $28,000 for nine months.

Facilities include a local Cyber 170/815, microcomputers, and access to CRAY, VAX and CYBER computers. Send vita, graduate transcripts and at least three letters of recommendation to Professor Max Benson, Computer Science Search Committee, Department of Mathematical Sciences, 320 MG, University of Minnesota, Duluth, Minnesota 55812 (218-726-8254). Applications must be received by January 31, 1984.

THE UNIVERSITY OF MINNESOTA IS AN EQUAL OPPORTUNITY EDUCATOR AND EMPLOYER AND SPECIFICALLY INVITES MINORITY APPLICANTS FROM WOMEN AND MINORITIES.

OHIO UNIVERSITY

Full-time, tenure-track positions available as Assistant/Associate Professor to teach Computer Science graduate and undergraduate courses and to conduct research. Applicants in the areas of Data Communications, Artificial Intelligence and Database Systems are encouraged to apply.

Nominations and applications are sought for the A.R. Jennings Distinguished Assistant Professorships 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 a distinguished appointment. Successful candidates will have a commitment to teaching and strong research interests in one or more of the following areas of experimental computing: VLSI Systems and Design; Automatic Distributed Systems Architecture or Programming Methodology. Applicants 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.
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 Ph.D degree in Computer Science or a related field and will be expected to contribute to an ongoing program of research and teaching. Rank is dependent upon qualifications. Salaries are competitive. Applications will be accepted as long as the positions remain open. Resume and three letters of reference should be directed to: Dr. H. Ahmad, 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.

UNIVERSITY OF CALIFORNIA

BERKELEY

THE UNIVERSITY OF CALIFORNIA AT BERKELEY invites applications for one or more tenure-track faculty positions in COMPUTER SCIENCE. Applications for the ASSISTANT PROFESSOR level will be given highest preference. The Computer Science Division of the Department of Electrical Engineering and Computer Sciences is experiencing a healthy growth in facilities and resources, and would like to complement its expertise in the area of Experimental Computer Science, Hardware and Software. We are interested in outstanding candidates in all fields of Computer Science, but have particular needs in ARTIFICIAL INTELLIGENCE, LOGIC, GRAPHICS AND NETWORKING AND DISTRIBUTED SYSTEMS.

The Computer Science Division provides a dynamic and exciting research and teaching environment. Facilities for research include seven VAX 11/780s, thirteen VAX 11/750s and twenty SUN workstations, with more expected. Teaching facilities include six PDP 11/750s, seven VAXes and an IBM 4341. Applicants should have a doctoral degree and demonstrated research accomplishments. Some teaching experience would also be desirable. Send resume and names of three references by January 1, 1984 to: Professor Eitan Turkel, Associate Chair, Computer Science, and Engineering Division, University of California, Berkeley, California 94720.

The University of California is 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 January 1984 or September 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 departments in the nation. Facilities include: VAX-11/780, DEC 2060, IBM 4341 and various personal computers. UTA is in the Dallas/Fort Worth metropolitan area. Interested persons should send a resume to Professor Bill L. Ganus, Chairman, Computer Science and Engineering Department, P.O. Box 19015, The University of Texas at Arlington, Arlington, TX 76019-0015. Phone 817-273-3765. The University of Texas at Arlington is an Equal Opportunity/Affirmative Action Employer.

FACULTY POSITIONS

University of Virginia

The Computer Science Department invites applications for tenure-track or visiting faculty positions in all areas of computer science. Applications are invited for faculty positions at the Assistant, Associate, or Full Professor level. Candidates from areas of computer science will be considered.

The department has about 27 (full-time equivalent) faculty members and additional teaching staff, has a strong research record and is active in sponsored research on a broad front. There is also a commitment to quality instruction at the BS, MS and PhD levels. The departmental research faci-}

COMPUTER

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