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SUNY PLATTSBURGH COMPUTER SCIENCE. Tenured track or visiting positions in Computer Science, effective 9/1/85. All specialties considered, with preference for persons in Systems Programming and Applied Computer Science. Plattsburgh State has a strong undergraduate Computer Science major. Responses particularly solicited from persons with relevant advanced degrees and research-oriented experience in government or industry. Salary negotiable. Opportunities also exist in the Department of Mathematics, which is separate from the Department of Computer Science. Closing date: March 15, 1985. Later applications will be considered until position is filled. Send application and three letters of recommendation to: Prof. J. A. Archibald Jr., Chairman, Department of Computer Science, c/o Ms. Mayerlyn Miller, Director of Personnel/Affirmative Action, Box 1001, SUNY College of Arts and Science, Plattsburgh, NY 12901. An Equal Opportunity/Affirmative Action Employer.

RUTGERS UNIVERSITY. Assistant Professor positions. The Department of Electrical Engineering anticipates the availability of tenure track positions in the area of computer engineering for the Fall of 1985. Resumes should be sent to Dr. Walter Welkowitz, Chairman, Department of Electrical Engineering, Rutgers University, P.O. Box 909, Piscataway, NJ 08854.

COMPUTER ENGINEERING

University of Minnesota, Duluth. Up to five temporary, full-time faculty positions. Duties include teach lecture and lab courses, specific areas include, but are not limited to, computer hardware and interfacing, electronics, microprocessor development and telecommunications. Develop laboratories. Perform departmental duties. At least one degree in electrical, electronic or computer engineering. M.S. required for instructor level, Ph.D. required for assistant professor level. Desired experience: teaching and industrial experience. Beginning date: September 1, 1985. Application Deadline: Monday, April 15, 1985. Salary negotiable. Send resume, letter of application, and three reference letters to: Dr. James Tseng, Head, Computer Engineering, University of Minnesota, Duluth, 271 MWAH, Duluth, MN. 55812. The University of Minnesota is an equal opportunity employer and educator and specifically invites and encourages applications from women and minorities.

UNIVERSITY OF BRIDGEPORT

Applications are invited for a tenure-track position in Computer Science beginning September 1985. Candidates at all levels will be considered. Applicants should be able to teach advanced undergraduate and some graduate courses in Computer Science. A Ph.D. in Computer Science is preferred, but candidates with Ph.D's in related fields and with experience in teaching advanced Computer Science courses will also be considered. Opportunities for research may be available through the newly-formed Connecticut Technology Institute at the University. The University is situated in the high technology area of southwestern Connecticut, and ample consulting opportunities are available nearby. Please send a résumé and the names of three references to: Dr. Donald Plank, Department of Mathematics, University of Bridgeport, Bridgeport, CT 06601. UB is an EO/AA employer.

ROCHESTER INSTITUTE OF TECHNOLOGY

School of Computer Science and Technology

Tenure-track Associate and Assistant Professor faculty positions available for Sept. Ph.D or Master's (with professional experience) degree in C.S. or related discipline required. Environment is primarily undergraduate and graduate (M.S.) teaching in the areas of computer architecture, communications and networking, software engineering, systems software and C.S. theory with opportunities for applied research and consulting. The School's computing facilities include 2 VAX-11/780, a Pyramid-90X, 5 MASS-COMP-MC533, and 2 PDP-11 computers all running UNIX, networked with TCP/IP, and driving over 200 workstations in 5 specialized student laboratories, a graduate research center, and all faculty offices. Send resume to Wiley McKinzie, Director, School of Computer Science and Technology, 1 Lomb Memorial Drive, Rochester, NY 14623. R.I.T. is an equal opportunity, affirmative action employer.

GENIGRAPHICS CORPORATION SYSTEM MANAGER

The Engineering Department of GENIGRAPHICS CORPORATION is seeking an experienced individual to assume responsibility for controlling our development facility computer network. The facility consists of several DEC VAXes and numerous PDP-11s. Applicants should possess an in depth understanding of either the RSX-11 or VMS operating systems, or both. Previous exposure to DEC networking software is beneficial. A minimum of four years of experience in software development is required, as is previous experience in systems management or systems programming.

GENIGRAPHICS CORPORATION is the world's leading manufacturer of presentation computer graphics systems, with over 700 employees world-wide. Our Engineering Department is housed in our new Corporate Headquarters facility in Syracuse, New York. Situated in Central New York, the city offers many of the cultural benefits of much larger cities. At the same time, Syracusans enjoy the benefits of the Finger Lakes, the Great Lakes, and the Adirondack Mountains.

For prompt and confidential consideration, please submit resume and salary requirements to:

Ms. Margaret R. Kalish
Recruitment Specialist
Genigraphics Corporation
Department B-300
Post Office Box 591
Liverpool, New York 13088

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MATH PROGRAMMER/ANALYST will program, test, document and support state-of-the-art FORTRAN software for mathematical applications. The position requires a Masters degree with specialized study in mathematics, computer science and FORTRAN programming. Data General or VAX experience preferred. Refer to job # SDV005.

SYSTEMS PROGRAMMER/ANALYST will develop software products such as preprocessors and software tools in FORTRAN. The position requires a Masters degree in computer science with coursework completed, strong FORTRAN background and experience in compiler writing. Data General or VAX experience preferred. Refer to job # SDV009. Send resume and salary history to Personnel Dept. SDV-I, IMSL, Inc. NBC Bldg., 7500 Bellaire Blvd., Houston, TX 77036 EOE

UNIVERSITY OF CENTRAL FLORIDA
Orlando, Florida

COMPUTER SCIENCE FACULTY POSITIONS

The Department of Computer Science has openings for faculty positions in the ranks of Associate Professor and Assistant Professor, effective August, 1985.

Applications for professorial positions must have a Ph.D. in Computer Science or a related discipline to Computer Science. We desire individuals with interest in both research and teaching in one of the core areas of Computer Science. Areas which are of particular interest include Architecture (especially VLSI design), Programming Systems (languages, tools and environments), Artificial Intelligence (especially expert systems), Data Bases, and Algorithm Design and Analysis.

We also have openings for instructor positions effective August, 1985. Applicants for instructor positions must have a M.S. degree in Computer Science or in a discipline related to Computer Science. The primary responsibility of an instructor is teaching.

Computer Science at the University of Central Florida is a comprehensive program. We offer programs leading to the Ph.D., M.S., and B.S. degrees. Our departmental research facilities include a VAX 11/780, a VAX 11/730, a PDP 11/44, a microprocessor laboratory, and a VLSI design laboratory.

The Department of Computer Science has been designated as a Center of Excellence for Computer Science in the State of Florida and an endowed chair funded by private industry and state money has been established in the Department. Please send letters of interest and resume to:

Dr. Amar Mukherjee, Acting Chairman
Department of Computer Science
University of Central Florida
Orlando, FL 32816
TEL: (305) 275-2341

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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. Primary interest is at 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. Positions are available between now and September 1985. Send resume with four references to Chairman, E.E. Search Committee, Department of Electrical Engineering, FT-10, University of Washington, Seattle, WA 98195. The University of Washington is an equal opportunity/affirmative action employer.

UNIVERSITY OF HONG KONG
SENIOR LECTURER IN COMPUTER
ENGINEERING

Applicants for this post in the Department of Electrical Engineering should possess a higher degree and/or corporate membership of the Institution of Electrical Engineers, or its equivalent. Preference will be given to those with teaching, research and other relevant experience in software engineering and computer applications. Annual salary (superannuation) is on a 9-point scale: HK\$230,220-309,300 (US\$1 = HK\$7.80 on 4.2.85). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 17½% of gross income. Housing at a rental of 7½% of salary, children's education allowances, leave and medical benefits are provided. Further particulars and application forms may be obtained from the Secretary General, Association of Commonwealth Universities (Appts), 36 Gordon Square, London WC1H 0PF, England, or from the Appointments Unit, Secretary's Office, University of Hong Kong, Hong Kong. Closing date: 30 April 1985.

UNIVERSITY OF GEORGIA

Computer Science Department

Applications are invited for up to three tenure-track positions at entry or advanced level. An earned doctorate in computer science or a related discipline is required. Excellence in research and teaching is being sought; all areas of specialization are of interest. The Computer Science Department currently offers an undergraduate major and a professional master's degree. Plans are under way to introduce M.S. and Ph.D. programs. The University's goal is to triple academic staffing in Computer Science over the next five years.

Computing facilities available or else soon to be installed include a Harris 800 System in the department, several IBM and CDC mainframes in the central computing center, and a Cyber 205 and a Cyber plus in the Advanced Computation Methods Center. Numerous microcomputer laboratories are available to support academic research, supervised lab courses, and individual student project work. In addition, the Advanced Programming Development Division of ETA Systems, Inc. is located on the university campus, in association with the supercomputing center.

All positions are planned to start in September, 1985. Applications must be postmarked April 30. Please send vita, the names of three references, and copies of recent publications or preprints to: Robert W. Robinson, Head, Department of Computer Science, 415 Graduate Research Studies Building, University of Georgia, Athens, Georgia 30602. The University of Georgia is an equal employment opportunity/affirmative action institution.

COMPUTER SCIENCE - SOUTHWESTERN OKLAHOMA STATE UNIVERSITY: Two positions beginning August, 1985. **CHAIRPERSON:** Requires doctorate in Computer Science (or related field plus experience). Salary range in 30's for 9 months. **INSTRUCTOR/ASSISTANT PROFESSOR:** Requires master's degree in Computer Science (or related field plus experience). Teaching responsibilities include upper-level undergraduate courses in operating systems, software design, data structures, and others. State-supported university with enrollment of 5,000 and 200 majors in Computer Science. Positions opened until filled. Send letter of application, designating position sought, with vitae and references to: Personnel Office, South-western Oklahoma State University, Weatherford, OK 73096. EEO/AA Employer.

UNIVERSITY OF CENTRAL FLORIDA
Orlando, Florida
Chairman of Computer Science

Applications and nominations are invited for the position of Chairman of Computer Science. Applicants must have an earned doctorate in Computer Science or a related discipline. In addition to meeting requirements for the tenured rank of Full Professor of Computer Science, effective leadership as an administrator should be demonstrated along with the broad base of experience and knowledge necessary to direct and encourage a growing research program.

The University of Central Florida is a young institution located in a dynamic metropolitan area, growing both in population and in the high technology industries. The campus is adjacent to the Central Florida Research Park, the site of several major funding and research organizations.

The Computer Science program is the largest on campus and the first such program in Florida leading to the Ph.D., M.S., and B.S. degrees. Our department holds an Endowed Chair and there are approximately twenty tenure-earning faculty members with research interests covering a broad range of areas, the most prominent of these including: Architecture (especially VLSI), Programming Systems (languages, tools, environments), Artificial Intelligence (especially expert systems), Formal Languages and Automata, and Data Base Technology. The Department research facilities are managed by a full time director and support staff. Equipment includes a VAX 11/780 running UNIX, a VAX 11/730, a PDP 11/44, a large microcomputer laboratory, and a VLSI design laboratory. In addition to the lab manager, the Department Chairman's administrative duties are shared by an Associate Chairman.

The Orlando area offers an unpolluted environment centrally located within the State. The Atlantic coast and Kennedy Space Center are 60 minutes to the east, the Gulf coast is some 90 minutes to the west.

Salary is open. The starting date is also negotiable, with the most desirable times being August 1985 and January 1986.

Applications and nominations are invited. Applications must be postmarked no later than May 15, 1985. Please send these to: Search Committee for Computer Science Chairman, Department of Computer Science, University of Central Florida, P.O. Box 25000, Orlando, Florida 32816. The University of Central Florida is an Equal Opportunity/Affirmative Action Employer.

Electrical Engineering &
Computer Science Dept.
University of Wisconsin—Milwaukee
Milwaukee, Wisconsin

Applications are invited for faculty positions both in Electrical Engineering and in Computer Science at all ranks. Candidates should have a Ph.D. in an appropriate or related discipline. A commitment to research and teaching is expected. Senior candidates must have a strong research record. All areas will be considered, but preferred areas are: in EE, digital and VLSI systems, image processing, power, robotics, or communication systems. In CS, preferred areas are: databases, data security, programming languages, theory, computer architecture and systems, and artificial intelligence.

The University of Wisconsin—Milwaukee campus is located near the shores of Lake Michigan and is close to pleasant residential areas and lovely parks.

Interested persons should send a resume and names of three references to: Professor Robert J. Krueger, Chair Dept. of Electrical Engineering & Computer Science, University of Wisconsin—Milwaukee, P.O. Box 784, Milwaukee, WI 53201, Telephone: (414) 963-5357

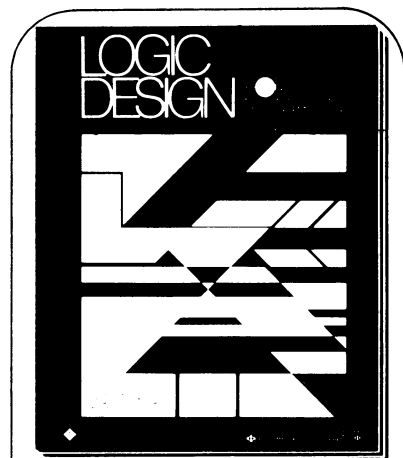
UMKC

We are looking for a few specially qualified people and we are willing to negotiate for their services. If you have a doctoral level degree and your first or second research specialty area is Telecommunications, Computer Networking, Artificial Intelligence or Methodology and Foundations of Programming and you want a tenure-track faculty position at industry-competitive salaries, read on. Ours is a brand new graduate program, offering an MS now with a PhD program to follow as soon as faculty strength permits. A minimum of 20% of your time will be protected for your research (as long as you do research) and that percentage may increase as a reflection of your research productivity. Nine or twelve month appointments are available at ranks appropriate to your qualifications. But the best parts of this opportunity are the chance to build a graduate program like you always wanted (we're starting with a clean sheet) and the availability of substantial amounts of "in-house" research funding. We have an agreement with United Telecom, Inc., which provides up to one-half-million dollars annually to support faculty and graduate student research. Sound interesting? Call or write:

Dr. Richard G. Hetherington, Director, Computer Science
16 Cockefair Hall (816) 276-1193
University of Missouri-Kansas City
5100 Rockhill Road
Kansas City, Missouri 64110

(by April 15 for Fall Semester appt.; by October 31 for Spring Semester appt.)

UMKC is an equal opportunity/affirmative action employer.



Functional, structural, and performance testing of digital logic systems are described in this volume, which contains 46 papers reprinted from sources such as *Design Automation Conference Proceedings*, *IEEE Transactions on Computers*, and *International Test Conference Proceedings*.

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Senior Computer Scientist

The Computer Science Department at **Texas Christian University**, which administers an undergraduate major and a master's program in Software Design and Development, seeks a senior computer scientist to serve as Chairman of the six member department with approximately 200 undergraduate majors and 30 graduate students.

Facilities currently available include a VAX 11/780 and IBM 4341, as well as departmentally owned Intel System 310's, Intel MDS systems, and a variety of graphics equipment.

Applicants for the position must have an earned doctorate in Computer Science or a related discipline and a notable record of professional accomplishment; they should also have demonstrated leadership and administrative capabilities and a commitment to a strong academic and research environment.

Salary for the tenure-track position at the associate or full professor rank is negotiable and competitive. Applicants should send a resume and three letters of reference to Dr. James R. Comer, Interim Chairman, Computer Science Department, Box 32886/TCU, Fort Worth, TX 76129. The position will remain open until qualified applicants are found. TCU is an EEO/AA employer.

UNIVERSITY OF CALIFORNIA DAVIS

THE UNIVERSITY OF CALIFORNIA AT DAVIS invites applications for several tenure-track faculty positions in COMPUTER SCIENCE.

The newly formed Computer Science Division of the Department of Electrical and Computer Engineering offers unique opportunities for dynamic faculty with strong research records and ambitious plans. The Department covers the whole spectrum of activities from electrical engineering to computer engineering to computer science and its facilities and resources are growing rapidly. The College of Engineering is one of the top Ph.D. granting colleges in the nation. We would like to attract outstanding faculty in any field of computer science, but prefer research specialization in PROGRAMMING LANGUAGES AND COMPILERS, COMPUTER ARCHITECTURE, DIGITAL SYSTEM DESIGN, COMPUTER COMMUNICATIONS AND NETWORKS, SYSTEM SOFTWARE AND USER INTERFACES, or CAD/VLSI SOFTWARE.

The Computer Science Division pays special attention to providing a dynamic and exciting research environment. Recently established, one of its major goals is to obtain a high national rating within three years. The expanding research facilities include two VAX 11/750's; a network of SUN terminals; HP3000, 1000, 9000 computers; several PDP 11/70's; and numerous workstations and microcomputers. Space for new research projects is also available.

Positions are available at all ranks. Research potential or achievement and ability to attract external research funding are sought from all candidates. Appointments at higher levels require outstanding records.

Applicants should have a doctoral degree. Some teaching experience is desirable. Positions are available immediately and are open until filled. Send resumes, copies of recent publications, and names of professional references to:

Professor V. Ralph Algazi, Chair
Department of ECE/CS
University of California
Davis, CA 95616
(916) 752-0583

The University of California is an equal opportunity/affirmative action employer.

UNIVERSITY OF NEW ORLEANS PROFESSORSHIPS IN COMPUTER SCIENCE

We invite applications for tenure-track positions in the Computer Science Department at the University of New Orleans. Ours is a rapidly-developing program with approximately 400 majors at the second-largest public university in Louisiana. A graduate program is currently under development.

University computing facilities include a network of four VAX 11/780's and approximately 150 Z-100 (MS-DOS compatible) 10-megabyte microcomputers which serve as the principal workstations on campus. Departmental facilities include numerous microcomputers and a PDP-11; a departmental UNIX system is expected to be in place in 1985. We have joined CSNET effective January 1, 1985. Ada is used as the primary programming language in undergraduate teaching. We are seeking candidates for both junior and senior positions. Candidates should have a doctorate in Computer Science or in a related field, and should be interested in a career where teaching excellence is rewarded and research encouraged.

Please send your resume and three references to Wayne Patterson, Chairman, Department of Computer Science, University of New Orleans, New Orleans, LA 70148. (Phone: 504-286-6594) Women and minorities are especially encouraged to apply. The University of New Orleans is an Equal Opportunity/Affirmative Action Employer.

ELECTRICAL AND COMPUTER ENGINEERING Trinity College

Applications are invited for a tenure-track position in the Department of Engineering and Computer Science at Trinity College starting September 1985. The initial appointment will be for a term of three years. Responsibilities include developing and teaching undergraduate electrical and computer engineering courses, fostering interdisciplinary activity related to electrical engineering and computing, and conducting continuing research within the discipline. The Ph.D. in Electrical or Computer Engineering is required. Salary and level of appointment commensurate with experience. Applicants should submit detailed curriculum vitae and a list of three references to: Professor Joseph D. Bronzino, Chairman, Department of Engineering and Computer Science, Trinity College, Hartford, CT 06106. Trinity College is an equal opportunity affirmative action employer.

CHAIRMAN, COMPUTER AND ELECTRONICS DEPARTMENT

The Armed Forces Radiobiology Research Institute, a command of the Defense Nuclear Agency, is seeking an individual to serve as Chairman of the Computer and Electronics Department. This Civil Service position directs the design and development of electronic instrumentation and computer devices which advance radiobiology research. 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 an advanced degree in a physical, biological or computer science. Salary ranges from 43-56K. Direct inquires to Mr. Ackermann at 202-295-1426. Submit application including SF-171 and resume by November 30, 1984 to: AFRR/CPO, Bethesda, Md 20814-5145. An Equal Opportunity Employer.

**ILLINOIS BENEDICTINE COLLEGE
CHICAGOLAND AREA**

Applications are invited for a tenure-track position beginning Fall, 1985. The College seeks an experienced computer scientist with the Ph.D. and a commitment to undergraduate education; one who is interested in providing leadership in curriculum development and in designing a masters degree program. All specialties in computer science will be considered. Salary and benefits are highly competitive. Rank will be at the Assistant or Associate level, depending on qualifications. Applications will be accepted until the position is filled.

Academic computing is supported by a PDP 11/44 running under RSTS/E, an AT&T 3B5 running under UNIX, and two microcomputer labs, including graphics facilities. IBC is a selective liberal arts college enrolling more than 2000 students. Computer Science is in the Mathematical Sciences Department, with more than 250 majors in math and computer science. The 108 acre campus is located 25 miles southwest of Chicago in the west suburban "high tech" corridor. Send application and resume to:

Phyllis M. Kittel, Chairman
Department of Mathematical Sciences
Illinois Benedictine College
5700 College Road
Lisle, Illinois 60532
(312) 960-1500, Ext. 550

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**WANG INSTITUTE OF GRADUATE STUDIES
School of Information Technology
Software Engineering Faculty**

Wang Institute provides a unique educational environment that combines the best features of academe and industry. Faculty members teach one graduate course per semester, interact closely with small numbers of graduate students who have industrial experience, supervise production quality software projects, and pursue their individual research interests.

Positions are available for full-time faculty members and one-year visitors who have experience in using and teaching the technical and managerial principles of software engineering. Faculty members receive industrial-level salaries and are provided with sufficient equipment and support staff to achieve their professional goals. Each faculty member is expected to maintain a reasonable balance between research in software engineering and exposition of that material in the classroom. Teaching ability and an interest in graduate-level education are essential.

The campus of the School of Information Technology is located near the Boston hi-tech and university areas which provide rich environments of academic, cultural, and professional activities. Instructional computing facilities at Wang Institute include a VAX 11/750 (VMS), a VAX 11/780 (UNIX), a Prime 750, a Wang VS100, Apollo DOMAINS, and IBM, Apple, Wang, and Hewlett-Packard personal/professional computers. A growing collection of software tools for software engineering is maintained by the staff of the Wang Institute Software Environment project.

Applicants should submit the names of three references and a resume that indicates professional specialty areas, teaching experience, and experience in the practice of software development and/or software management to: Richard E. Fairley, Faculty Chair, Wang Institute of Graduate Studies, Tyng Road, Tyngsboro, Massachusetts 01879.

**FACULTY POSITIONS
DEPARTMENT OF COMPUTER SCIENCE
UNIVERSITY OF VIRGINIA**

The Department of Computer Science invites faculty applications at all levels.

The University, founded by Thomas Jefferson in 1819, is located in Charlottesville, a town of 100,000 in central Virginia next to the Blue Ridge Mountains. The department offers the B.S., M.S., M.C.S. and Ph.D. degrees in Computer Science and is committed to graduate research and education. We have a full time faculty of 17 which has been increasing at a rate of two positions per year. Our VAX 11/780 running UNIX, our network of 10 Apollos, and our color graphics workstations are used exclusively for research. Educational computing is supported by two CYBERs, seven PRIMEs, 150 microcomputers, a graphics lab, and a CAD/CAM center. All machines are interconnected through a campus LAN.

Applicants must have a commitment to teaching and research. Our research activities include systems software, fault-tolerant systems, software engineering, programming languages, design automation, parallel and distributed computing, database management, networks and communications, and theoretical computer science.

Send applications to Dr. Alfred C. Weaver, Chairman, Department of Computer Science, Thornton Hall, University of Virginia, Charlottesville, Virginia 22903. The University is an equal opportunity/affirmative action employer.

**UNIVERSITY OF CALIFORNIA
RIVERSIDE**

Faculty Position in Computer Science

Applications are invited for a tenure track position in Computer Science beginning with the 1985-1986 academic year. Applicants must have a Ph.D. in Computer Science and a demonstrated commitment to teaching and research. Candidates from all areas of specialization in Computer Science will be considered.

Rank and salary are open; candidates for senior rank must have leadership ability and a proven research record.

The Computer Science program at Riverside is housed in the well-established Department of Mathematics, which offers bachelor's, master's, and doctoral degrees in Mathematics as well as the B.S. and M.S. degrees in Computer Science. The Department owns four VAX 11/750s and various microcomputers. General campus facilities include an IBM 4341-2, a PRIME 750, and two VAXs.

To apply, send resume with names of three references to:

Professor Theodore J. Barth, Chair
Computer Science Search Committee
Department of Mathematics and Computer
Science
University of California
Riverside, CA 92521

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

SOFTWARE ENGINEER

M.Sc. (C.S.), experience UNIX/C, Z-80, 6809, 68000, process control, fault detection/diagnosis, robot kinematics. Knowledge electronics essential. FORTRAN, B.Eng. assets.

Specify/design real time systems using state-of-the-art techniques such as information hiding. Salary to \$27,600. Canadians given preference.

Submit resume to Mr. J. Wilson, President, RSI Robotic Systems International Ltd, 9865 West Saanich Road, Sidney, B.C. Canada, V8L 3S1.

**FACULTY POSITIONS IN COMPUTER
SCIENCE AND ENGINEERING**

NORTHWESTERN UNIVERSITY

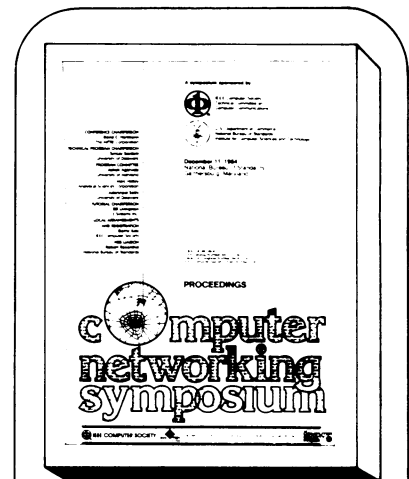
The Department of Electrical Engineering and Computer Science at Northwestern University has faculty openings starting with the academic year 1985-86. We are primarily interested in candidates whose main interests are in *distributed computer systems, computer architecture, programming languages, software, engineering, foundation of computer science, database management, operating systems, VLSI design, robotics, and artificial intelligence*. All candidates should have strong research and teaching capabilities.

These openings are regular full-time faculty positions. They are normally at the tenured track Assistant Professor level. Experienced and outstanding candidates may be considered for higher ranks.

Northwestern University is an affirmative action employer and encourages applications from women and members of minority groups. Applicants should have a doctoral degree in computer science, computer engineering, or a closely related field before the faculty appointment starts.

Interested persons should send their resume and the names and addresses of at least four references to:

Dr. Stephen S. Yau, Chairman
Department of Electrical Engineering
and Computer Science
Northwestern University
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The Ohio State University

Department of Computer and Information Science

Applications are invited for faculty positions at all levels. A Ph.D. in Computer Science or a closely related field is required. Applicants for senior positions must have research and teaching credentials commensurate with such an appointment, while applicants for junior positions must show significant potential and interest in both teaching and research. Special research support packages are negotiable for highly qualified candidates.

The Department has 31 full time faculty members with a very active graduate program that includes about 200 students, a third of whom are seeking the Ph.D. The departmental research program is broadly based with over a million dollars in funding for projects in such areas as architecture, artificial intelligence, computer communications, distributed operating systems, graphics, software engineering, and theory. The research environment is fostered by active support from the administration including an enrollment management policy that controls the number of undergraduate majors so as to achieve a good student-faculty ratio. Research computing facilities within the Department include a DEC 20/60, a VAX 11/780, an IBM 4341, an INTEL 432, and several LISP machines and Sun workstations, most of which are networked together.

The active research environment of the Department is complemented by a spectrum of research and development activities conducted both within the university and by nearby major industrial organizations. Of special interest are activities in application areas such as computer graphics, manufacturing systems, robotics, natural language interfaces, large scale information delivery systems, database management systems, etc. Computer science related activities

have been singled out for special attention by the state of Ohio in cooperation with local industry through eight million dollars in funding for the Advanced Information Technologies Research Center. The Center provides significant research opportunities for computer science faculty.

Ohio State University provides the full spectrum of activities and programs that are associated with a major university. OSU is located in an attractive area near downtown Columbus, a rapidly growing city with a metropolitan population of more than one million. If you would like to find out more about our program, write to: Professor Ming T. (Mike) Liu, Department of Computer and Information Science, The Ohio State University, 2036 Neil Avenue Mall, Columbus, OH 43210. If you wish to apply, please include your resume and the names of three references.

The Ohio State University is an equal opportunity/affirmative action employer.

UAB Faculty Position

Tenure-track or visiting faculty position available in the Department of Computer and Information Sciences. The Department administers degree programs at the bachelors, masters and PhD level. Interested persons should contact: Dr. C. C. Yang, Chairman Faculty Search Committee, Department of Computer and Information Sciences, University of Alabama in Birmingham, University Station, Campbell Hall Room 115A, Birmingham, Alabama 35294.

UAB is An Affirmative Action/
Equal Opportunity Employer

TULANE

The Department of Computer Science invites applications for faculty positions at all levels beginning August 1985.

Tulane is a major private university, selective in enrollment and comprehensive in scope, with about 10,000 undergraduate and graduate students. The campus is located in a residential area of uptown New Orleans, one of America's most distinctive cities. The Department of Computer Science, which offers degrees at all levels through the Ph.D., has been specially targeted within the University for growth over the coming three years, with an anticipated increase in faculty positions of 75% to 100%.

Departmental computer systems include a VAX 11/780 with 6 MB main memory running under VMS, a Pyramid 90X with 4 MB high speed main memory running under Unix, numerous LSI-11's, and several microcomputer clusters. The Pyramid is dedicated to departmental research; other systems are divided between research and teaching. Departmental peripherals include a laser printer, line printers, and several letter quality impact printers, as well as the usual faculty and student terminals. In addition to departmental resources, the University maintains two DEC 2060 systems.

Candidates should have a Ph.D. in Computer Science or a related area. Research excellence or demonstrated research potential and a commitment to quality teaching are more important than any particular area of specialization. Departmental research specialties include artificial intelligence, software engineering, formal languages, and distributed processing.

Applications should be directed to Dr. Jhonette Hassell, Head, Department of Computer Science, School of Engineering, Tulane University, New Orleans, LA 70118. Applications must be received by May 15, 1985 for August appointment. Tulane University is an Affirmative Action Equal Opportunity Employer.

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