To allow sufficient time for distribution of the magazine, schedule your job application dead-
lines at least four weeks after issue date (e.g.,
deadline of Nov. 28 to send applications re-
sponding to ad appearing in Nov. issue.)

Note: IEEE Computer Society member ads for positions wanted $10 up to 10 lines, $1 per line thereafter. Situations wanted ads run free for
unemployed Society members. Include IEEE member number in either case.

In order to conform to the Age Discrimination in Employment Act and to discourage age discrimi-
nation, COMPUTER may reject any advertise-
ment containing any of these phrases or similar ones: "recent college grad...", "1-4 years maximum experience...", "5-10 years maximum experience...", "over 30 years old...". COMPUTER reserves the right to edit any advertisement, without
specific notice to the advertiser, "Experience ranges are suggested minimum requirements,
not maximums." COMPUTER assumes that, since advertisers have been notified of this
policy in advance, they agree that any ex-
perience requirements, whether stated as ranges or otherwise, will be construed by the
reader as minimum requirements only.

SUNY PLATTSBURGH COMPUTER SCIENCE.
Tenured track or visiting positions in Computer Science, effective 9/1/85. All specialties con-
considered, with preference for persons in Software Programming and Applied Computer Science.
Plattsburgh State has a strong undergraduate Computer Science major. Responses particular-
ly solicited from persons with relevant advanced degrees and research-oriented experience in
government or industry. Salary negotiable. Op-
portunities also exist in the Department of Math-
ematics, 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 let-
ters of recommendation to: Prof. J. A. Archibald
Jr., Chairman, Department of Computer Science,
City College of the City University of New York,
New York, NY 10030.

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

UNIVERSITY OF MINNESOTA.
Computer Engineering

Applications are invited for a tenure-track posi-
tion in Computer Science beginning September
1985. Candidates at all levels will be considered.
Applicants should have teaching and re-
search experience. The University of Minnesota
is an equal opportunity employer and invites ap-
call Encourages applications from women and minority groups.

ROCHESTER INSTITUTE OF TECHNOLOGY
School of Computer Science and Technology
Tenure-track Associate and Assistant Professor positions available with tenure. Ph.D. or
Master's (with professional experience) degree
in C.S. or related discipline required. Exper-
enience in computer science is preferred.
Applications from persons with relevant advanced
degrees and research-oriented experience in
government or industry preferred. Salary negotiable. Op-
portunities also exist within the Department of Math-
ematics. Please send the names of three
references to: Dept. of Computer Science,
Rochester Institute of Technology,
Rochester, NY 14623.

GENIGRAPHICS CORPORATION
SYSTEM MANAGER

The Engineering Department of GENI-
GRAPHICS CORPORATION is seeking an ex-
nperienced individual to assume responsibility
for controlling our development facility com-
puter 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 soft-
ware is beneficial. A minimum of four years of
experience in software development is required,
as is previous experience in systems manage-
ment or systems programming.

GENIGRAPHICS CORPORATION is the world's
leading manufacturer of presentation computer
graphics systems, with over 700 employees
worldwide. Our Engineering Department is
based in our newly constructed Headquarters
in Syracuse, New York. Situated in Cen-
al 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 13086

We are an Equal Opportunity/Affirmative Action
Employer.

IMSL, Inc.

Development and support of new products de-
mand that we expand our software development
staff. IMSL, Inc. is a stable growing company
with 14 years experience in scientific software
development, offering paid relocation and ex-
cellent benefits. IMSL, Inc., a leader in scientific software, has
positions available:

MATH PROGRAMMER/ANALYST will program,
test, document and support state-of-the-art FOR-
TRAN 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 preprocessor
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 # SDV006.

COMPUTER
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 who have published 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 32896
TEL: (305) 725-2341

An Equal Employment Opportunity (M/F) Affirmative Action Employer

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 systems 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 for fall, 1985.

Send resume with four references to: Chairperson, University of Washington, Department of Electrical Engineering, 1151 Boardman Hall, Seattle, WA 98195. The University of Washington is an equal opportunity/affirmative action employer.

UNIVERSITY OF HONG KONG
ORLANDO, FLORIDA

SENIOR LECTURER IN COMPUTER ENGINEERING

Applications 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 (superannuable) is on a 9-point scale: HK$20,300-30,900 (US$1 = HK$7.80 on 4.285). Starting salary will depend on qualifications and experience. At current rates, salaries tax will not exceed 17.5% of gross income. Housing at a rental of 7% 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 WCIT 1HP, 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 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 Computer Methods Center. Numerous microcomputer laboratories are available to support 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 in 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 for upper-level undergraduate courses in operating systems, software design, data structures, and others. State supported university with enrollment of 5,500 and 1,000 for Fall. Computer Science positions opened until filled. Send letter of application, designating position sought, with vitae and references to: Personal Office, Southwestern Oklahoma State University, Weatherford, OK 73096. EEO/AA Employer.

Applications and nominations are invited for the position of Chairperson 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. Each faculty member 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 Intracoastal and Kennedys Beach are less than 30 minutes to the east, the Gulf coast is some 90 minutes to the west.

Salary is open. The starting date is 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 Chairperson, Department of Computer Science, University of Central Florida, P.O. Box 25000, Orlando, FL 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

April 1985
UMKC

Senior Computer Scientist

The Computer Science Department at Texas Christian University, which administers an under-graduate 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 3441, as well as departmentally owned Intel System/Dec 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 11/785’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/ICS
University of California
Davis, CA 95616
(916) 752-0583

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

UNIVERSITY OF NEW ORLEANS

PROFESSORS IN COMPUTER SCIENCE

We invite applications for tenure-track positions in the Computer Science Department at the University of New Orleans, a 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 2100 (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 1, 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 W. B. Zionin, 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 programing 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 inquiries to Mr. Ackermann at 202-295-1426. Submit applications including SF-171 and Novem-ber 30, 1984 to: AFFR/CPO, Bethesda, Md 20814-5145. An Equal Opportunity Employer.

FUNCTIONAL, STRUCTURAL, AND PERFORMANCE TESTING OF DIGITAL LOGIC SYSTEMS

This volume contains 46 papers reprinted from sources such as Design Automation Conference Proceedings, IEEE Transactions on Computers, and International Test Conference Proceedings.

Order #572
Selected Reprints on Logic Design for Testability 1984
Nonmembers—$25.00
Members—$18.75
Handling charges extra
Order from IEEE Computer Society
Order Dept., P.O. Box 80452
Worldwide Postal Center
Los Angeles, CA 90080 USA
(714) 821-9380
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 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 VAX MAINs, 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.

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

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


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.

NORTHERN ILLINOIS UNIVERSITY

Assistant Professor of Computer Science

Applications are invited for the position of Assistant Professor of Computer Science at Northern Illinois University in the fall of 1985. Applicants must have a Ph.D. and experience in a specialty area in Computer Science.

The successful candidate is expected to teach courses in Computer Science, participate in the university's broader educational mission, and provide service to the university.

This appointment is made on a six-month, renewable basis.

Submit application and three letters of recommendation to:

Dr. Alfred C. Weaver, Chairman
Department of Computer Science
Northern Illinois University
DeKalb, Illinois 60115

NORTHERN ILLINOIS UNIVERSITY

Assistant Professor of Computer Science

Applications are invited for the position of Assistant Professor of Computer Science at Northern Illinois University in the fall of 1985. Applicants must have a Ph.D. and experience in a specialty area in Computer Science.

The successful candidate is expected to teach courses in Computer Science, participate in the university's broader educational mission, and provide service to the university.

This appointment is made on a six-month, renewable basis.

Submit application and three letters of recommendation to:

Dr. Alfred C. Weaver, Chairman
Department of Computer Science
Northern Illinois University
DeKalb, Illinois 60115

UNIVERSITY OF VIRGINIA

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 15 Apollo's, and our color graphics workstations are used exclusively for research.

Educational computing is supported by a PDP 11/44 running under RST/S/E, an AT&T SBS 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 Ogden Ave.
Lisle, Illinois 60532
(312) 960-1500, Ext. 550

EEO/AA employer. Send applications to:

Dr. Alfred C. Weaver, Chairman
Department of Computer Science
Thorn Hall, University of Virginia
Charlottesville, Virginia 22903

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

UNIVERSITY OF CALIFORNIA

FACULTY POSITIONS
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
NORTHERN ILLINOIS 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
Evanston, Illinois 60201

April 1985

131
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 Ph.D. 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 VAX 11/030 with 2 MB 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. Johnette 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.

**SOFTWARE ENGINEERS**

A CAREER IN ARTIFICIAL INTELLIGENCE

Software A&E’s reputation for excellence continues to grow. Our expertise in the design of advanced software for artificial intelligence is gaining recognition through our applied technology projects. We are breaking new ground in the application of expert systems. We offer a congenial professional atmosphere, growth opportunities and technical challenge.

**PROJECTS INCLUDE**

**PRODUCT DEVELOPMENT**—Knowledge engineering systems (KES) is growing rapidly with industry and government interest. Software A&E continues to be a leader, with expertise in the next generation of products. These include state-of-the-art products embodying advanced concepts from AI and software engineering.

**CUSTOM SYSTEM**—Include the application of spatial reasoning to tactical planning, automatic analysis of computer failure, a management expert and image customer and providing the ability to develop AI applications in AID. These challenging projects involve the application of sophisticated AI techniques to real customer problems.

**IF YOU HAVE THE FOLLOWING QUALIFICATIONS:**

BS/MS Computer Science
- Design programs in Lisp, C and ADA
- Unix, Vax, or Symbolics 3600 experience
- Interactive interfaces, expert systems, KES, complex software systems development
- U.S. citizen

**AND YOU**

- Seek more than just a job
- Want exciting technical work
- Need room to grow and express yourself!

Call (703) 276-7910 or send your resume to: SOFTWARE A&E, INC.
1500 Wilson Blvd., Suite 800
Arlington, VA 22209

**SOFTWARE ARCHITECTURE & ENGINEERING, INC.**