RATES: $8 per line, $30 minimum charge (up to ten lines). Average six typedet words per line, nine lines per column inch. Add $8 for box number. Send copy at least six weeks prior to month of publication to: Don Farnsworth, Classified Advertising, COMPUTER Magazine, 10662 Los Vaqueros Circle, Los Alamitos, CA 90720.

To allow sufficient time for distribution of the magazine, schedule your job application deadlines at least three weeks after issue date e.g., deadline of Feb. 21 to send applications responding to ad appearing in Feb. issue. Note: IEEE Computer Society member ads for positions wanted $10 up to ten 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 discrimination, COMPUTER may reject any advertisement containing any of these phrases or similar ones: "...recent college grad..." ...14 years maximum experience..." ...up to 5 years experience...". COMPUTER reserves the right to append to 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 experience requirements, whether stated as ranges or otherwise, will be construed by the reader as minimum requirements only.

ALABAMA A&M UNIVERSITY

Applications are invited for tenure-track faculty positions in the department of Computer and Information Sciences starting September 1984. Rank and salary open. Candidates should have a PhD in Computer Science or in a closely related area with a Masters in Computer Science, and strong research interest, particularly in database, computer graphics, robotics, artificial intelligence, computer architecture, or programming languages. Send resume to: Dr. H. Saha, Chairman, Computer and Information Sciences Department, Alabama A&M University, Normal (Huntsville), Alabama 35762. Applications will be accepted until the positions are filled. An affirmative action/equal opportunity employer.

WANG INSTITUTE OF GRADUATE STUDIES
School of Information Technology
Software Engineering Professionals

Faculty applications are being accepted from software engineering professionals having extensive academic and industrial software design, implementation, and management experience. One-year visitors are also sought. Expected duties include teaching, closely interacting with students, supervising production quality software development projects and participating in curriculum development for the School's Master of Software Engineering degree program.

The Wang Institute is located near the heart of Boston's high tech corridor and offers a unique environment for academic and professional growth. Instructional computing facilities include a VAX 11/780, a Prime 750, a Wang VS 100, Apollo DOMAINS, color graphics and local network.

Qualified applicants should submit the names of three references and resume stating professional speciality areas and past software development or management efforts to Faculty Search Committee, Wang Institute of Graduate Studies, Tyng Road, Tyngsboro, Massachusetts 01879.

The Electrical Engineering Department of the University of Maine at Orono invites applications for tenure-track positions at all ranks. All specialties will be considered. However, particular consideration will be given to individuals that could contribute to a proposed program in Computer Engineering. The proposed program offers the opportunity for innovative curriculum development as well as research. Responsibilities will include teaching in both the graduate and undergraduate programs as well as the development of a research program. Facilities exist for the design, fabrication and testing of solid-state devices and integrated circuits. Computer facilities include the campus IBM 3033, a VAX 11/780, a minicomputer-based graphics laboratory and a microprocessor applications laboratory. The positions will be open until filled. Rank and salary are dependent upon qualifications. Please send a resume and a list of at least three references to the Electrical Engineering Search Committee, Barrows Hall, Orono, ME 04469. The University of Maine is an Equal Opportunity/Affirmative Action Employer.

COMPUTER SCIENCE OR MANAGEMENT INFORMATION SYSTEMS.

The Department of Electrical and Computer Engineering invites applications for tenure, tenure-track and visiting faculty positions. A PhD degree is required and successful candidates are expected to participate in both teaching and research activities. The following areas are of special interest: computer engineering, control systems, digital signal processing, expert systems, power systems, electric machines, electronics circuits, robotics, solid-state and microelectronics, system theory and VLSI design. Rank and salary will be commensurate with qualifications and experience. Send resume and names of three references to W. P. Birkemeier, Chairman, Department of Electrical and Computer Engineering, University of Wisconsin-Madison, 1415 Johnson Drive, Madison, WI 53706, an equal opportunity/affirmative action employer.

Graphics Software Designer

Position created due to corporate expansion. Duties include evaluation and selection of algorithms for graphics, and design of FORTRAN subroutines and high-level graphics procedures for statistical, engineering, and other scientific applications. Candidates must have a PhD or MS in Computer Science or an area of applied math or stat. Also required is a knowledge of current developments in hardware and software for graphics, including standardization efforts. IMSL, Inc. is a world leader in the development and distribution of scientific, engineering, and statistical software. Send vita and references to Personnel Dept. RDI, IMSL, Inc., NBC Bldg., 7500 Bellaire Blvd., Houston, Texas 77036. EOE.

UNIVERSITY OF HOUSTON

SPECIAL FACULTY POSITION IN ARTIFICIAL INTELLIGENCE

Applications are invited for a special faculty position in the Department of Computer Science to begin fall, 1984. A distinguished research record and a commitment to research and teaching in Artificial Intelligence are required. The department has a faculty of 16 and is growing rapidly. Possibility exists for candidate to build a research group, consisting of several faculty, in AI. The department offers PhD, MS and BS in Computer Science. Facilities include a VAX 11/780 dedicated to department research along with access to several other VAX 11/780 and an ASCS00N in the University Computer Center. Send full resume and names of three references to: Willis K. King, Chairman, Department of Computer Science, University of Houston - University Park, Houston, Texas 77004. An Equal Opportunity/Affirmative Action Employer.
Texas A&M University invites nomination of
qualified individuals for an endowed Chair in
Microelectronics, with specialization in the area
of Computer Architecture. Texas A&M University
has made a major commitment to establish and
maintain an outstanding program in Microelectronics and
Computer Science. A substantial external donation to
the University has enabled the creation of two attrac-
tive endowed Chairs to support the microelec-
tronics/computer engineering program: one with
specialization in the area of Computer Architectu-
ture and the other in Integrated Circuit Design.
Candidates for the Computer Architecture Chair
should have outstanding personal and profes-
sional qualifications including national recogni-
tion for contributions in computer architecture.
Nominations of qualified individuals from both
industrial and academic backgrounds are solic-
ted. The successful candidates will be expected
to provide leadership in both teaching and re-
search activities.

The current program in computer architecture
emphasizes those aspects of fifth generation
computer systems, design automation, machine in-
telligence, vision systems for robots and remote
sensing applications, using highly parallel com-
puter architectures, have been of particular in-
terest.

Related microelectronics research activities in
the area of integrated circuits and systems in-
clude analog and digital integrated circuit
design, VLSI system design, design automation,
microprocessor architectures, and statistical de-
sign for yield optimization. CAD facilities and
software for IC design, layout and verification are
available. A test and evaluation laboratory in-
cludes equipment for wafer handling, IC packag-
ing, process characterization, and electronic test
and evaluation.

The Microelectronics Chair in the Computer Ar-
chitecture area may be a joint appointment in
Computer Science and Electrical Engineering, or
it may be in either of these departments. The
academic rank will be Professor with tenure.
Please send nominations to Professor Bruce H.
McCormick, Chairman of the Search Advisory
Committee, Department of Computer Science,
Texas A&M University, College Station, Texas
77843.
Nominations received before May 15, 1984, will
receive first priority. Texas A&M University is an
equal opportunity/affirmative action employer.

Michigan Technological University: The Depart-
ment of Electrical Engineering at Michigan
Technological University invites applications for
several faculty positions. Primary needs are in
the computer, communications, and control
area, but all specialties will be considered. The
Department has an extensive undergraduate pro-
gram and an expanding graduate program with
modern facilities for research, including CAD/CAM
facilities, recently augmented by a major IBM grant. Rank and salary will depend on
qualifications. Please send a resume, a list of
four references with addresses and telephone
numbers, and a statement of citizenship or im-
migration status to Dr. Martha Sloan, Chairman,
Appointments, Promotion, and Tenure Commit-
tee, Department of Electrical Engineering,
Michigan Technological University, Houghton,
MI 49931. Applications are accepted and re-
viewed continuously for openings August and
November 1984 and March 1985. Michigan Tech-
nological University is an equal opportunity edu-
cational institution/egal opportunity employer.
RESEARCH FACULTY POSITION  
IN COMPUTER SCIENCE  
UNIVERSITY OF WASHINGTON  

The University of Washington Department of Computer Science expects to make one or more new appointments at the post of Research Assistant Professor beginning as early as summer, 1984. Applicants should have, or expect to have, at the time of their appointment, a Ph.D. in Computer Science, Electrical Engineering or the equivalent. A successful applicant would join either the Blue CHIP Project, working on parallel architecture or software systems for parallel computers, or the VLSI project, working on VLSI chip design or VLSI design tools. While the position is primarily a research position, successful applicants will be expected to interact with graduate students and faculty, and are encouraged, though not required, to undertake a modest amount of teaching. Interested researchers should send a letter of application to one or more of the names of four references: Professor Larry Snyder, Projects Director, Department of Computer Science FR-35, University of Washington, Seattle, WA 98195.  

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

The University of Alberta  
Department of Computing Science  

Applications are invited for three tenure-track positions at the Assistant/Associate Professor levels (subject to final approval). The Department is currently involved in an expansion program to meet increased student enrollment. Candidates must have a Ph.D. in Computer Science or related field or demonstrated equivalent achievement in education and research. Responsibilities include teaching at the Graduate and Undergraduate levels and research. Candidates from all areas will be considered, although preference will be given to applicants with expertise in the areas of Networks, Programming Languages, Software Engineering, Operating Systems and Computer Architecture. Current hardware support includes an Amdahl 5860, a networked VAX 11/785, PDP-11s and well-equipped mini and micro computer laboratories.  

1983/84 Salary range:  
Assistant Professor 29,720 to 41,820  
Associate Professor 37,420 to 53,658  
Send curriculum vitae and names of three references to: Dr. Lee J. White, Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, Canada, T6G 2H1. Applications will be accepted until June 30, 1984.  

The University of Alberta is an equal opportunity employer but, in accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents of Canada.

The University of Portland seeks a Computer Engineering faculty member with a specialization in computer architecture to teach graduate and undergraduate courses, participate in program development and engage in research. A Ph.D. in Computer Science or Electrical Engineering is preferred, but consideration will be given to well-qualified MS level candidates with industrial experience. Rank open. Tenure-track position available September, 1984. The University of Portland is a small private school located in the Pacific Northwest. The department is in a dynamic phase of development with excellent computing facilities and strong ties with local industry and other educational institutions. Send resume to: Dr. Robert Albright, School of Engineering, University of Portland, 5000 N. Willamette Blvd., Portland, OR 97203. An equal opportunity/affirmative action employer.

CHAIR, DIVISION OF COMPUTER SCIENCE  
UNIVERSITY OF CALIFORNIA, DAVIS  

The College of Engineering, University of California, Davis campus, is seeking a senior faculty member to lead its new Division of Computer Science to eminence. The Division has been allocated, initially, 15 full-time equivalent faculty positions. We are recruiting for several positions at all levels. At least two of the open positions can be filled with junior level faculty who have outstanding qualifications in the field of Computer Science. Qualifications for this position include an outstanding record of research in an area of Computer Science, demonstrated teaching ability, sensitivity to the needs of a complex University campus, and a potential for leading the faculty to develop excellent research and instruction programs. Applicants should send a resume and letter describing their interests to:  
Associate Dean Ray B. Krone  
College of Engineering  
University of California  
Davis, CA 95616  

The University of California is an Equal Opportunity/Affirmative Action employer. The position is open until filled.

CARLETON UNIVERSITY  
Computer Science/Computer Engineering  

Applications are invited for tenure-track, term, or visiting appointments at the Assistant/Associate Professor levels. Duties will include teaching and research at the undergraduate and graduate levels in areas such as software engineering, operating systems, database systems, CAD of computer systems, applied AI, computer communications, Real-time programming, microprocessors, or computer architecture. The department's computing facilities include, in addition to the university's mainframe, an Ethernet-based LAN consisting of a VAX 11/750, SUN 8800s, many PDP 11s, 8086s, and an Intel development system network. Applicants should have a Ph.D. degree or equivalent in Computer Science or related engineering discipline. In accordance with Canadian immigration requirements, this advertisement is directed to Canadian citizens and permanent residents. However, others may be eligible. The positions are open to both men and women. Send curriculum vitae and names of references to: Dr. Bernard Pagurek, Chairman, Department of Systems and Computer Engineering, Carleton University, Ottawa, Ontario, Canada, K1S 5B6.

ROCHESTER INSTITUTE OF TECHNOLOGY  
School of Computer Science and Technology  

Tenure-track faculty positions, Assistant or Associate Professor, available Sept., PhD or Master's (with professional experience) degree in CS or related discipline required. Environment is primarily undergraduate and graduate (MS) teaching in the areas of information systems, systems software, computer architecture and networking, and CS theory with opportunities for applied research and consulting. The School's computing facilities include 2 super-mini and 9 super-micro class computers, all networked, running under UNIX, and driving over 200 workstations in 5 specialized student laboratories 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.

AI  

EMPLOYMENT OPPORTUNITIES  

Advanced Information & Decision Systems (AID's) invites qualified candidates to apply for research and programming positions in artificial intelligence R&D. AID's is a growing employee-owned company of 50 highly talented people working to develop and implement state-of-the-art solutions to real-world problems in areas such as artificial intelligence, software engineering, image understanding, information management, estimation and control, decision theory, signal processing, and cognitive science. Throughout 1984, positions will be available on projects involving:  

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Located in the beautiful San Francisco Bay Area, AID's offers a pleasant and supportive work environment, with expanding hardware facilities that include VAX's, Symbolics 3600's, SUn's, and a Vicon image processor linked by Ethernet and connected to the ARPANET. To find out more about AID's and the positions listed above, please phone Mary Margaret Morton or Clint McCormick at (415) 941-3912, or send your resume to:  

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