To allow sufficient time for distribution of the magazine, schedule your job application deadline at least four weeks after issue date (e.g., deadline of Nov. 28 to send applications responding to ad appearing in Nov. issue.) Note: Applicants for the position of Electrical and Computer Engineering 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 and Computer Engineering is required. Salary and level of appointment commensurate with experience. Applications should submit cover letter, 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.

Applications are invited for three tenure track positions at the assistant/associate professor level. Candidates must have a Ph.D. in computing science or related field. Responsibilities include research as well as teaching at the graduate and undergraduate levels. Candidates from all areas will be considered, although preference will be given to those with expertise in the area of VLSI, Software Systems, Networks, Programming Languages, Software Engineering, Artificial Intelligence and Computer Architecture. At least one appointment will be made in the area of VLSI or Software Systems. Current hardware support includes an Amdahl 5860, a network of VAX 11/780's, and well equipped mini and micro computer laboratories; access to a Cyber 205 is available. Salary range is $29,720 to $49,200 (under review) and is commensurate with qualifications and experience. Send curriculum vitae and names of three references to: Dr. Lee White, Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, T6G 2H1. Applications will be accepted until June 30, 1985. The University is an equal opportunity employer but in accordance with Canadian immigration requirements priority will be given to Canadian citizens and permanent residents of Canada. All qualified applicants are strongly urged to apply.

THE UNIVERSITY OF IOWA DIRECTOR OF THE UNIVERSITY OFFICE OF INFORMATION TECHNOLOGY

The Director of Information Technology provides intellectual and managerial leadership on a University-wide basis for the implementation and maintenance of information technology on campus. Committed to full exploitation of continuing technological changes, the University of Iowa maintains state-of-the-art resources for the support of educational innovation, research, and administration. The Office of Information Technology is the organizational focus of this commitment. Specific duties include planning and coordinating the development of the University's communication systems and primary responsibility for academic and administrative computing. A Ph.D degree and experience in computing or a related field or the equivalent combination of education and experience are required. Salary is open. Screening of candidates will begin immediately. Please send resume and supporting materials to: D.C. Spiersbroebach, Chair, Search Committee for Director of Information Technology, 201 Gilmore Hall, The University of Iowa, Iowa City, Iowa 52242. The University of Iowa is an equal opportunity and affirmative action employer.

UNIVERSITY OF CENTRAL FLORIDA ORLANDO, FLORIDA
COMPUTER SCIENCE FACULTY POSITIONS

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

An Equal Employment Opportunity (M/F) Affirmative Action Employer
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 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, industrial, 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 Domain, and IBM, Apple, Wang, and Hewlett-Packard personal/commercial computers. A growing collection of software tools for software engineering is maintained by the staff of the Wang Institute Software Environment Project.

Applications 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 software management to: Richard E. Fairley, Faculty Chair, Wang Institute of Graduate Studies, Tyng Road, Tyngsboro, Massachusetts 01879.

MICHIGAN STATE UNIVERSITY

The Department of Computer Science invites applications for tenure track positions at the Assistant Professor level. Candidates from most areas of specialization in computer science or computer engineering will be considered. However, the department has a special interest in candidates in the areas of programming languages, computer architecture, design of computer systems and networks, parallel computation, computational complexity, operating systems and data flow machines. Candidates should have a Ph.D. in computer science or computer engineering and will be expected to contribute both to the research and teaching programs. Applications will be accepted until the positions are filled. Applicants should send a resume, a statement of research plans, an indication of teaching interests and the names of three references to:

Dr. John J. Forsyth, Acting Chairperson
Department of Computer Science
Michigan State University
East Lansing, Michigan 48824-1042

Michigan State University is an Equal Opportunity/Affirmative Action Institution and encourages applications from members of ethnic minority groups.

POSITION #s ENG 119
ENG 120
ENG 121

May 1985

RENSSLEAER POLYTECHNIC INSTITUTE

Applications are invited for full-time, tenure-track positions at all ranks in the Computer Engineering Program of the Electrical, Computer and Systems Engineering Department starting September 1985. Applicants should have a doctorate in computer engineering, electrical engineering, or computer science, with an interest in an academic career combining research and teaching. A strong publication record is required for senior-level positions. Areas of specialization of particular interest are computer architecture and parallel processing, software engineering, operating systems, microprocessor technology, distributed computing, artificial intelligence, computer vision, image processing, computer graphics, CAD and VLSI design technology. Applications, accompanied by a detailed curriculum vitae and appropriate supporting material, should be sent to:

Prof. Lester A. Gerhardt, Chairman
Electrical, Computer, and Systems Engineering
Rensselaer Polytechnic Institute
Troy, New York 12180-3590

R.P.I. is an EO/AA Employer

UNIVERSITY OF CENTRAL FLORIDA
Orlando, Florida
Chancellor 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.

Applications, accompanied by 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 unpolled 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 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.

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 bachelor's, masters and Ph.D level. Interested persons should contact: D. C. C. Yang, Chairman Faculty Search Committee, Department of Computer and Information Sciences, University of Alabama at Birmingham, University Station, Campbell Hall Room 115A, Birmingham, Alabama 35294.

UAB is an Affirmative Action/Equal Opportunity 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 VAX11/780, a Pyramid-10X, 5 MASS-COMP-6533, and 2 PDP-11 computers all running UNIX, networked with TCP/IP, and driving over 200 workstations in computer science 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.

NEW!
MODERN CELLULAR AUTOMATA
Theory and Applications
by K. Preston, Jr., and M.J.B. Duff

Authored by two pioneers in the field, this monograph is an excellent introduction to cellular logic and automata, with particular attention given to the manipulation of pictorial data. A volume in the Advanced Applications of Pattern Recognition Series.

306-41737 5 358 pp. ill. 1985 549 50


Pleun Publishing Corporation
233 Spring Street
New York, N.Y. 10013

Reader Service Number 8
Applications are invited for a tenure-track position in Computer Science beginning with the 1985-1986 academic year. The successful candidate 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, a PRIME 750, and two VAXs.

To apply, send resume with names of three references.

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.