UNIVERSITY OF MISSOURI—COLUMBIA

Applications are invited for the tenure track position of Assistant or Associate Professor in Computer Science. Applicants must have a PhD in Computer Science or a related field and a desire to teach and research. Salary competitive. Send credentials and names of three references before March 15, 1982 to:

Dr. Donald R. Shurtleff, Chairman
Department of Computer Science
University of Missouri
Columbia, MO 65211

AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

SYSTEMS ENGINEER

Cook County Hospital has an excellent opportunity for a Biomedical/Electronic Engineer or a Computer Scientist. We are seeking a Systems Engineer to participate in our ongoing computer-based diagnostic and research Perinatal unit. This unit provides clinic diagnostics for obstetric patients and conducts research on the relationship between fetal heart rate patterns and delivery outcome. Applicants must have a BS/MS in Electronics/Computer or equivalent training and experience. Should also be knowledgeable in digital design and analog techniques. Qualified applicants should contact Dr. Carlos Mendez-Auer or Michael Chung, perinatal unit, Cook County Hospital, 1825 W. Harrison, Chicago, IL 60612. Phone no. (312) 633-5413. An Equal Opportunity Employer M/F/IH.

Computer Science (Engineering)

The University of New Haven invites applications for a full-time, tenure track appointment to the Electrical Engineering faculty. PhD required in Computer Science (Engineering) or Electrical Engineering. Academic background in Electrical Engineering and industrial experience is desirable. All areas of EE will be considered with computer engineering, digital control systems and microprocessors of the greatest interest. Excellent opportunity for professional growth in ideal location. Salary negotiable and competitive. Starting date September, 1982. Applications including resumes and the names of three references must be received by April 1, 1982 and should be mailed to:

Gerald Kirwin, Chairman EE Dept.
The University of New Haven
300 Orange Avenue
West Haven, CT 06516

The University is an equal opportunity affirmative action employer.

YORK UNIVERSITY. Department of Computer Science. Applications are invited for several academic tenure track and visiting (sabbatical replacement) positions at the assistant, associate, or full professor level. Applicants must hold a PhD in Computer Science or equivalent, or will complete such a degree before the 1982-83 academic year. Preference will be given to applicants who have research and teaching interests in one or more of the following areas: database management systems, artificial intelligence, programming languages, software engineering, computer graphics or minis and micros. Duties will include teaching, research and participating in the life of the department. Salary is negotiable.

Faculty have access to a National Advanced Systems AS/6, a DECSystem-10, a VAX 11-780, and a microcomputer laboratory which includes interactive graphic subsystems.

York University is located in the north-west quadrant of Metropolitan Toronto, an area with one of the highest concentrations of computers in Canada. York is also within easy reach of excellent cultural and recreational facilities.

First consideration will be given to those applicants who are currently in the country. Applicants are legally eligible to work in Canada for the period covered by this position.

Prof. Eshrat Anjomandi, Chairperson
Appointments Committee
Department of Computer Science
York University
4700 Keele Street
Downsview, Ontario
Canada M3J 1P3

ILLINOIS INSTITUTE OF TECHNOLOGY
Department of Computer Science

Applications are invited for several tenure-track positions at the Assistant of Associate Professor levels, rank and salary depending on background and qualifications, starting in August, 1982. Applicants should have a strong commitment to research and to teaching at both the graduate and undergraduate levels. A PhD in Computer Science or an allied field is required. Qualified applicants in all areas of computer science will be considered. Send resumes with the names of three references to:

Professor Anthony S. Wojcik, Chairman
Department of Computer Science
Illinois Institute of Technology
Chicago, IL 60616

The Illinois Institute of Technology is an equal opportunity, affirmative action employer.

UNIVERSITY OF SOUTHERN CALIFORNIA:
The Department of Electrical Engineering-
Systems at the University of Southern Califor-
nia announces tenure track openings for both
junior and senior faculty in the areas of Signal Process-
ing, Robotics, Artificial Intelligence, Control and System Theory, Information and Communication Theory, and Computer Engi-
neering. We are especially interested in can-
didates with background and/or experience in
Microprocessors, Robotics and VLSI Systems.
Send a resume and the names of at least 3
academic references to: Professor George A.
Bekey, Chairman, Department of Electrical
Engineering-Systems, PHE 404, University of Southern California, Los Angeles, CA 90007.
USC is an Equal Opportunity/Affirmative Action Employer.

CALIFORNIA STATE UNIVERSITY,
FULLERTON

The Faculty of Electrical Engineering at California State University, Fullerton seeks applications for tenure track position at the assistant professor level and for open lecturer positions starting in September 1982. Outstanding candidates may also be considered for associate professor level. Applicants should hold a PhD in electrical and/or computer engineering with specialization in computers and digital systems. Candidates must indicate interest in tenure track or lecturer positions, or both. Send resume and three references before March 31, 1982 to: Dr. Mohinder S. Grewal, Chairman, Electrical Engineering Faculty, Division of Engineering, California State University, Fullerton, CA 92634. CSUF is an affirmative action/equal opportunity employer.

TULANE UNIVERSITY
NEW ORLEANS, LOUISIANA

COMPUTER SCIENCE DEPARTMENT

Immediate opening. Tenure-track position with rank dependent on qualifications. Applicants should have a doctoral degree in Computer Science or a related field. Duties include teaching undergraduate and graduate courses, direction of Ph.D. candidates and development of research areas. Applicants are solicited particularly in the following areas:
- Software Engineering
- Programming Languages
- Distributed Processing
- Artificial Intelligence
- Data Base Systems

Highly qualified applicants in other areas will also be considered.

Tulane University is a privately endowed institution dedicated to academic excellence. Please send resume and three references to Dr. Victor J. Law, Head, Computer Science Department. Tulane University, New Orleans, LA 70118. AA/EOE.

Faculty Position in Computer Engineering and Science
CASE WESTERN RESERVE UNIVERSITY

Applications are invited for several tenure track appointments at the assistant, associate or full professor rank, beginning August, 1982. Candidates from all areas of specialization in computer science will be considered; the Department has a special interest in candidates in the VLSI, software engineering, operating systems, database, and computer graphics areas. Candidates for assistant professor should have a strong commitment to teaching and research; candidates for senior positions must have an established record for scholarly research and effective teaching.

The department has 120 undergraduate students and 75 graduate students enrolled in the MS and PhD programs in computer engineering and computer sciences, and has extensive laboratory facilities including a VAX 11270, PDP 11/45, real time shaded graphics system, and access to DEC 2060 and VAX 11750 systems. Qualified applicants should send their resumes to:

Professor C. W. Rose, Chairman
Department of Computer Engineering and Science
Case Western Reserve University
Cleveland, Ohio 44106
An Equal Opportunity/Affirmative Action Employer.
RICE UNIVERSITY

Applications are invited for one junior position and one senior position in the Computer Science Program at Rice University. Applicants should have the PhD degree with a commitment to excellence in teaching and research. Candidates from all areas of computer science will be considered; however, the program has a special interest in candidates with research interests in the areas of programming languages and systems, artificial intelligence, analysis of algorithms and parallel computing systems.

Applications from women and minority candidates are encouraged. Rice University is an equal opportunity/affirmative action employer.

Applications should be addressed to:
Prof. Richard Tapia, Chairman
Dept. of Mathematical Sciences
Rice University
P.O. Box 1892
Houston, TX 77001

Faculty Position: Opening in the School of Engineering, University of California, Irvine, for an Assistant Professor, Associate Professor, or Professor in Computer Engineering. Duties include undergraduate and graduate teaching. Doctorate and specific research competence in computer engineering and/or digital systems is required. This appointment will interface with Department of Information and Computer Science. Send resume to Professor Stubberud, School of Engineering, University of California, Irvine, CA 92717. An Affirmative Action/Equal Opportunity Employer. To ensure consideration apply before June 1, 1982.

UNIVERSITY OF ROCHESTER

COMPUTER SCIENCE DEPARTMENT

Seeks outstanding faculty to conduct and stimulate research in PROGRAMMING LANGUAGES AND SYSTEMS. Favorable conditions include light classroom obligations, excellent students, and fine facilities. The department also continues to welcome applications from outstanding postdoctoral and postdoctoral candidates in other areas of computer science. Address inquiries to: Joel Seiferas, Chairman, Computer Science Department, University of Rochester, Rochester, NY 14627. An affirmative action employer.

SUNY STONY BROOK

The Department of Electrical Engineering, SUNY Stony Brook, invites applications for anticipated openings for all Professorial ranks. These positions will be tenure track with salary negotiable. The Department has expanding undergraduate and graduate programs and extensive research activities. The areas of prime interest are computer engineering, digital systems, communications and computer networking, VLSI design and fabrication, experimental device fabrication, and microwave electronics and robotics. Applicants in other areas will be considered. The Department has close relations with local high technology industry in computer science. Support is available in a current or cooperative effort in the VLSI area. SUNY Stony Brook combines the attraction of a small rural location with proximity to the resources of the New York City area. Please submit resume to: Dr. Stephen D. Shapiro, Chairperson, Department of Electrical Engineering, SUNY Stony Brook, Stony Brook, NY 11794. SUNY Stony Brook is an equal opportunity/affirmative action employer. AK&223A.

INSTITUTE OF COMPUTER SCIENCE

NATIONAL INFORMATION CENTER

RIYADH, SAUDI ARABIA

A newly established Institute has several openings for PhD and Master degree holders in Computer Sciences, Electronic Engineering or equivalent degrees. BS degrees with extensive field experience will also be considered.

The Institute is planned to offer two-year and four-year programs in the areas of Applied Computer Sciences and Engineering. The Institute also offers special courses to support a comprehensive software network covering the entire Kingdom in the areas of programming, analysis, project management and control, user support, hardware/software maintenance, and data communication.

The environment includes on-line TP and ADP System using Data General and UNIVAC computers with various communication devices and micrographic equipment.

Salaries and benefits are competitive and attractive, and depend on the individual's qualifications.

Applications with a complete resume on academic, professional and personal data, three references and copies of degrees including home and office addresses and telephone numbers to:

UNIVERSITY OF PETROLEUM & MINERALS

ATTENTION: DR. AL-SAGAR (NATIC)

2223 WEST LOOP SOUTH, SUITE 410

HOUSTON, TEXAS 77027

or

DR. ABDULAZIZ N. AL-SAGAR

DEPT OF SYSTEMS ENG & COMPUTER SCIENCE

UNIVERSITY OF PETROLEUM & MINERALS

P.O. BOX 144, UPM #128

DHAHAN—SAUDI ARABIA

FACULTY POSITIONS IN ST. LOUIS AREA

The Department of Mathematics, Statistics, and Computer Science of Southern Illinois University at Edwardsville is seeking applicants for a regular faculty position in computer science. Appointment date is planned for September 1982. Rank and salary are negotiable. Applicants should have a strong interest in the teaching of computer science. Other duties will include contributing to the continuing development of the computer science program and engaging in applied or scholarly research. Applicants must have a PhD or equivalent degree in computer science or a related area (equivalent experience as demonstrated through research accomplishments or professional stature).

The Department is part of the School of Science and Engineering, which includes departments of engineering, biology, chemistry, and physics. Undergraduate and graduate degree programs are offered in every department. The University occupies a beautiful 2600 acre campus in the St. Louis metropolitan area. Current enrollment is approximately 10,000 students, the majority of whom are residents of the area. Interested applicants should send vita and references to:

Computer Science Search Committee

Department of Mathematics, Statistics, and Computer Science

School of Science and Engineering

Southern Illinois University at Edwardsville

Edwardsville, IL 62026-1001


The IEEE Computer Society’s Fifth Annual International Conference on Computer Software and Applications provided a forum for the latest significant and innovative contributions in software and applications. These proceedings contain 65 papers on such topics as data bases, operating systems, storage management, and laboratory and manufacturing automation. 446 pp.

Order #379

PROCEEDINGS—COMPSCAC 81

November 18-20, 1981

Members—$27.00

Nonmembers—$36.00

The design, development, and deployment of advanced systems require skills from many disciplines, including data acquisition, distributed computing, and de-centralized control. The complexity of the problem is greatest in real-time systems where external influences generate inputs that must be processed in a specific time. The symposium proceedings contain 19 papers in the areas of computer networks, fault tolerance, and real-time control. 145 pp.

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December 8-10, 1981

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The IEEE Computer Society’s Fifth Annual International Conference on Computer Software and Applications provided a forum for the latest significant and innovative contributions in software and applications. These proceedings contain 65 papers on such topics as data bases, operating systems, storage management, and laboratory and manufacturing automation. 446 pp.

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The IEEE Computer Society’s Fifth Annual International Conference on Computer Software and Applications provided a forum for the latest significant and innovative contributions in software and applications. These proceedings contain 65 papers on such topics as data bases, operating systems, storage management, and laboratory and manufacturing automation. 446 pp.

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Order #379

PROCEEDINGS—COMPSCAC 81

November 18-20, 1981

Members—$27.00

Nonmembers—$36.00
YALE UNIVERSITY — ELECTRICAL ENGINEERING

Yale University is planning a major expansion in computer engineering and related fields. It seeks a senior person to head activity in an area such as VLSI architecture or robotics. Close cooperation with the Computer Science Department is anticipated. Several junior positions will be available to support the principal effort and to interface with ongoing activities ranging from basic studies of solid state devices to automatic control theory, VLSI architecture, computer aided design, computer vision, innovative techniques and automatic control are among preferred areas for the junior appointments. Interested candidates should submit resumes before 1 April 1982. Address all correspondence to Peter M. Schultheiss, Chairman, Department of Electrical Engineering, Becon Center, Yale University, New Haven, Conn. 06520. Yale is an affirmative action/equal opportunity employer.

UNIVERSITY OF UTAH

Computer Science Faculty Positions

The Department of Computer Science at the University of Utah solicits applications at all professional ranks. A candidate for Assistant Professor must earn the PhD in Computer Science or a related field prior to December 1982. A candidate for Associate Professor must have, in addition, at least three years of teaching or research experience in Computer Science. A candidate for the rank of Professor must have a well-established research record in Computer Science.

The department currently has 12 tenure-track faculty members, as well as an additional 7 serving in research capacities. The student population includes approximately 270 undergraduate majors, 55 Master’s degree students, and 30 PhD students.

Faculty research projects include algebraic computation, computer-aided geometric design, data-flow and multiprocessor architectures, functional, programming languages, graphical software development tools, design methodologies for special-purpose architectures, robotics and computer vision, sensory information processing, software portability, text-searching machines, and VLSI.

Department research equipment includes a DEC System 2060 (or Arpanet and Telenet), the AX17/700 system, a DEC PDP-10 KA, and an HP3000/33, all interconnected via a local network. Other equipment includes an E&S Picture System, Megatek Whizzard 7250 system, Grinnell color frame buffer, and a ComputerVision Designer system. The department also operates a Small Computer Laboratory consisting of several personal work stations utilizing two Apollo Domain systems, a Perq, and a Lillith machine. Instructional facilities include various models of DEC PDP-11, each running Unix. Special output devices include a Barco high resolution color monitor for the production of color pictures and computer generated movies, a four color plotter, and a Mergenthaler Omnimet/tech2000 Photocomposer. The department also has the use of a VLSI fabrication laboratory within its college.

Starting date for the appointment is 1 July 1982. Direct vita, along with the names of three or more references, by 15 April 1982 to:

Professor Robert M. Keller
Chairman, Faculty Search Committee
Department of Computer Science
University of Utah
Salt Lake City, UT 84112

The University of Utah is an Affirmative Action, Equal Opportunity Employer.

FACTORIES POSITIONS IN COMPUTER ENGINEERING

The University of South Carolina has openings in Distributed System Software, Database Engineering, Software Engineering, Expert Systems, Machine Intelligence, and Robotics. A Doctorate in Electrical or Computer Engineering is required. The ECE Department has nineteen faculty members, ten in Computer Engineering. Each has a VT-100 office terminal providing access to UNIX and VMS on the departmental VAX 11/780. The VAX system (with four mbtes of main memory and eight hundred mbtes of disk memory) supports Pascal, Fortran, and Lisp. The Department also has an excellent machine intelligence laboratory with a Comal image processing machine, and a Mockup graphics systems and elaborate speech processing equipment. Please send resumes to: Ronald D. Bonnell, Chairman, Electrical and Computer Engineering Dept., University of South Carolina, Columbia, SC 29208. An equal opportunity affirmative action employer.

YALE UNIVERSITY — ELECTRICAL ENGINEERING

The Department of Electrical and Computer Engineering at the University of the Pacific invites applications for a tenure-track position in Electrical and Computer Engineering. Requirements include a competence in microelectronics, digital systems, microprocessors and computer engineering, and the ability to teach other electrical engineering courses at undergraduate levels. Effective communication skills are a must. Preference will be given to appointment at the rank of Associate Professor, however, appointment at a higher rank is possible for a qualified candidate. This is an 11-month appointment starting September, 1982.

A PhD or equivalent academic experience is preferred, but an MS with significant experience will be considered. Salary is competitive and commensurate with experience and qualifications. Applicants must have a strong commitment to undergraduate teaching, to the cooperative education program required of all students, and be able to teach core courses as well as major subject areas. A resume with three references should be submitted to: Dr. Robert L. Heyborne, Dean, School of Engineering, University of the Pacific, Stockton, CA 95211.

An equal opportunity/affirmative action employer.

YALE UNIVERSITY — ELECTRICAL ENGINEERING

The Department of Electrical and Computer Engineering at the University of the Pacific invites applications for a tenure-track position in Electrical and Computer Engineering. Requirements include a competence in microelectronics, digital systems, microprocessors and computer engineering, and the ability to teach other electrical engineering courses at undergraduate levels. Effective communication skills are a must. Preference will be given to appointment at the rank of Associate Professor, however, appointment at a higher rank is possible for a qualified candidate. This is an 11-month appointment starting September, 1982.

A PhD or equivalent academic experience is preferred, but an MS with significant experience will be considered. Salary is competitive and commensurate with experience and qualifications. Applicants must have a strong commitment to undergraduate teaching, to the cooperative education program required of all students, and be able to teach core courses as well as major subject areas. A resume with three references should be submitted to: Dr. Robert L. Heyborne, Dean, School of Engineering, University of the Pacific, Stockton, CA 95211.

An equal opportunity/affirmative action employer.

TENURED FACULTY POSITION IN ELECTRICAL AND COMPUTER ENGINEERING

The Department of Electrical and Computer Engineering at the University of the Pacific invites applications for a tenure-track position in Electrical and Computer Engineering. Requirements include a competence in microelectronics, digital systems, microprocessors and computer engineering, and the ability to teach other electrical engineering courses at undergraduate levels. Effective communication skills are a must. Preference will be given to appointment at the rank of Associate Professor, however, appointment at a higher rank is possible for a qualified candidate. This is an 11-month appointment starting September, 1982.

A PhD or equivalent academic experience is preferred, but an MS with significant experience will be considered. Salary is competitive and commensurate with experience and qualifications. Applicants must have a strong commitment to undergraduate teaching, to the cooperative education program required of all students, and be able to teach core courses as well as major subject areas. A resume with three references should be submitted to: Dr. Robert L. Heyborne, Dean, School of Engineering, University of the Pacific, Stockton, CA 95211.

An equal opportunity/affirmative action employer.

OAKLAND UNIVERSITY

ROCHESTER, MICHIGAN

The School of Engineering invites applications for two positions in Computer Science with the following preferred areas: Programming methodology, software engineering, computer architecture, robotics, algorithm design and analysis, operating systems, artificial intelligence, parallel and concurrent processing, database systems, computer communication networks. Starting date August 15, 1982. Duties include undergraduate and graduate teaching and research. Interest in sponsored research essential. Doctorate required. Positions are tenure track with salary and rank commensurate upon qualifications. Oakland University is a PhD granting, state supported University and is an Equal Opportunity/Equal Employment. Send resume to: Dean of Engineering, Oakland University, Rochester, Michigan 48063.

DIRECTOR

SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY

Rochester Institute of Technology

This is an extremely exciting and challenging opportunity for the right individual. The School of Computer Science and Technology is one of the largest computer science programs in the United States. With over 24 full-time faculty, 15 adjuncts, and 1,200 students, we are able to create 3 MS programs, the School has developed a regional and national reputation for high quality graduates. Cooperative education is required of all undergraduate students. The School is part of the College of Applied Science and Technology, one of ten academic colleges at RIT. The Institute is an independent technological university enrolling nearly 16,000 students in a variety of programs. The Director reports directly to the Dean of the College and supervises an administrative structure consisting of four chairmen.

Applications are encouraged for several tenure track positions at assistant, associate and full professor ranks. Innovative candidates in all areas of Computer Science will be considered. Preference will be given to those with interests in DEMS, Software Engineering, Office Automation or Distributed Processing.

University of Rochester is a private research university located in the center of the world’s microcomputer activity and the edge of the high technology belt. We are within 15 miles of the corporate headquarters and R&D development centers for DEC, DEC, WANG LABS, PRIME, COMPUTERVISION, APOLLO, ANALOG DEVICES, CULLINANE, LEXIDATA, ... . The Boston academic centers are within easy commuting distances. Faculty cooperative and exchange programs are being negotiated with a number of firms. Rochester is convenient to Boston and to all the cultural and recreational areas for which New England is famous. Our undergraduate program is projected to double (to 600 students) by FALL 1983. MS and PhD programs are under consideration, and their development is supported by the high-technology community.

Applicants should hold PhD or equivalent in Computer Science or a related discipline. ABD candidates with strong experience will be considered for junior level appointments. Please send current vita and recommendations to:

Dr. Dennis C. Nystrom, Dean
College of Applied Science and Technology
Rochester Institute of Technology
One Lomb Memorial Drive
Rochester, New York 14623

Start Date: July 1, 1982, but flexible. RIT is an affirmative action/equal opportunity employer.

Faculty Positions — All Levels

Computer Science Department

UNIVERSITY OF LOWELL

Applications are encouraged for several tenure track positions at assistant, associate and full professor ranks. Innovative candidates in all areas of Computer Science will be considered. Preference will be given to those with interests in DEMS, Software Engineering, Office Automation or Distributed Processing.

University of Lowell is a private research university located in the center of the world’s microcomputer activity and the edge of the high technology belt. We are within 15 miles of the corporate headquarters and R&D development centers for DG, DEC, WANG LABS, PRIME, COMPUTERVISION, APOLLO, ANALOG DEVICES, CULLINANE, LEXIDATA, ... . The Boston academic centers are within easy commuting distances. Faculty cooperative and exchange programs are being negotiated with a number of firms. Lowell is convenient to Boston and to all the cultural and recreational areas for which New England is famous. Our undergraduate program is projected to double (to 600 students) by FALL 1983. MS and PhD programs are under consideration, and their development is supported by the high-technology community.

Applications should hold PhD or equivalent in Computer Science or a related discipline. ABD candidates with strong experience will be considered for junior level appointments. Please send current vita and recommendations to:

Dr. John W. Thomas, Chairman
Computer Science Department
University of Lowell, Lowell, MA 01854

The University of Lowell is an Equal Opportunity/Affirmative Action Title IX 504 Employer.
Faculty Positions in Electrical and Computer Engineering  
FLORIDA STATE UNIVERSITY  

Florida State University invites applications and nominations for several anticipated faculty positions in the area of electrical and computer engineering starting Fall, 1982. Rank and salary are commensurate with qualifications and experience. One year or one semester visiting senior appointments are also available. Applicants must demonstrate a significant involvement in research and a strong commitment to teaching. A doctorate in electrical engineering or computer engineering or computer science is required. Areas of special interest include (but are not restricted to):  
(1) Computer architecture and computer networks  
(2) Software engineering  
(3) VLSI and Solid State Technology  
(4) Communication and information theory  
(5) Automatic control and system theory  
(6) Optics and laser technology  

A detailed resume, a statement of teaching and research interests, and names of three references should be sent to Professor Augustus B. Turnbull, Vice President for Academic Affairs, The Florida State University, Tallahassee, Florida 32306. Florida State University is an Equal Opportunity Employer with an Affirmative Action Program and it especially encourages applications from women and members of minority groups.  

OREGON STATE UNIVERSITY  

Oregon State University has positions open for graduate assistants in the Department of Computer Science starting in September, 1982. Requires baccalaureate in computer science, creditable academic record, admission to the Graduate School, and sincere interest in teaching or research. Salary is competitive. Please arrange for three qualified references on technical competence, and send complete resume to Professor Paul Cull, Graduate Advisor, Dept. of Computer Science, Oregon State University, Corvallis, Oregon 97331. Oregon State University is an Affirmative Action/Equal Opportunity Employer and complies with Section 504 of the Rehabilitation Act of 1973.  

Department of Electrical Engineering  
and Computer Science  
University of Wisconsin—Milwaukee  
Milwaukee, WI  

Applications are invited for positions in computer science at the Assistant, Associate and full Professor rank. Candidates should have a PhD in Computer Science or equivalent and commitment to research and teaching in computer science. Candidates should have a strong record of scholarly research and teaching. Candidates in all areas of specializations will be considered. Preference will be given to candidates who demonstrate a demonstrated ability in databases, programming languages, operating systems, mini/micro systems and architecture, VLSI and theoretical computer science. Send resumes (including names of references) to:  
Professor George L. Davida  
Department of Electrical Engineering  
and Computer Science  
University of Wisconsin—Milwaukee  
Milwaukee, WI 53201  
(414) 963-5192  

March 1982  

PURDUE UNIVERSITY FACULTY POSITIONS  

Applications are invited for faculty positions in Electrical Engineering from qualified individuals who have a strong commitment to teaching and research. Qualifications include an outstanding academic record, significant involvement with a truly contributive research activity, and a Doctorate in Electrical Engineering. Areas of research specialization that are of particular interest are computers and microelectronics. Resumes should be directed to School of Electrical Engineering, Purdue University, West Lafayette, Indiana 47907. Immigration status of non-US citizens should be stated in dossier. Purdue is an equal opportunity/affirmative action employer.  

UNIVERSITY OF WASHINGTON  
Facility Positions in Computer Science  

Applications are invited for faculty positions in the Computer Science Department. Research positions are available immediately, associated with the UW/WV VLSI Consortium and with the Eden distributed computing project. Emphasis is on experimental areas such as distributed databases, computer networks, VLSI, programming languages and operating systems. A tenure-track position is expected to begin September 1982. Candidates from all areas of specialization will be considered, with emphasis again on the above areas plus pattern recognition and artificial intelligence. Candidates should have a strong commitment to both research and teaching. Please send letter of application, resume, and names of four references to: Professor Jean-Loup Baer, Acting Chairman, Department of Computer Science, FR-35, University of Washington, Seattle, WA 98195.  

EQUAL OPPORTUNITY AND AFFIRMATIVE ACTION EMPLOYER.  

UNIVERSITY OF PITTSBURGH  
Computer Engineering  

Applications are invited for several tenure track appointments at the assistant, associate, or full professor rank, beginning September 1982. Candidates from all areas of specialization in computer engineering will be considered; the Department has a special interest in candidates in the VLSI, software engineering, operating systems, database, and computer graphics areas. Candidates for assistant professor should have a strong commitment to teaching and research; candidates for senior positions must have established record for scholarly research and effective teaching. The Department has 360 undergraduate students and 125 graduate students enrolled in the MS and PhD programs, and has extensive laboratory facilities including an Interactive Graphics Laboratory and a Pattern Recognition Laboratory which incorporate a VAX and a PDP-11, and a Microcomputer Development Laboratory, along with the University-wide DEC 10 System. Qualified applicants should send their resumes to:  
Professor R. G. Coitclasser, Chairman  
Department of Electrical Engineering  
University of Pittsburgh  
Pittsburgh, Pennsylvania 15261  
An Equal Opportunity/Affirmative Action Employer.  

Whether designed to share information, share resources, or cooperate in accomplishing large processing tasks, networks of small computers, intelligent terminals, work stations, or specialized devices are installed in a wide variety of application environments. This tutorial—devoted exclusively to systems or networks of microcomputers—contains more than 30 reprints, as well as case studies outlining a number of networks and approaches. 268 pp.  

Order #395  
TUTORIAL—MICROCOMPUTER NETWORKS  
Edited by Harvey A. Freeman and Kenneth J. Thubter 1981  
Members—$15.00  
Nonmembers—$20.00  

Use order form on p. 120C  

The proceedings, in 16 major sections, include more than 300 articles by some 500 authors. Topics covered are biomedical engineering, emergency services, hospital information systems, nursing applications, and pharmacology systems. The program was the cooperative effort of more than 70 organizations. 1164 pp.  

Order #377  
Proceedings—FIFTH ANNUAL SYMPOSIUM ON COMPUTER APPLICATIONS IN MEDICAL CARE  
November 1-4, 1981  
Members—$45.00  
Nonmembers—$60.00  

March 1982
COMPUTER SCIENCE FACULTY/STAFF
The POLYTECHNIC INSTITUTE OF NEW YORK has faculty and staff positions available beginning January, June, and September 1982 at our downtown Brooklyn and suburban Long Island and Westchester campuses. Teachers and researchers are needed at all levels in our BS, MS (third largest in the country), and PhD programs. Tenure track faculty openings require a PhD in computer science or in a related field. Visiting and Industry Professor positions are available based on achievements and professional stature. Instructionalists require an MS degree and teaching or industrial experience. Substantial support for the development of computer science faculty has been received within the past year from major industrial organizations. Areas in most demand are: Software Engineering, Architecture and Design, and Computer Communications; however, strong candidates in other areas of computer science/engineering are encouraged to apply. All positions offer competitive salaries based on experience and credentials, tuition support for Instructors, and ready access to the intellectual and cultural life of the N.Y. metropolitan area. Send letter of application and resume to: Professor E. J. Smith, Chairman Faculty Search Committee POLYTECHNIC INSTITUTE OF NEW YORK 33 Jay Street Brooklyn, NY 11201 AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION EMPLOYER.

POSITION FOR LECTURER ($17,412 - 20,868), ASST. PROF. ($19,044 - 22,696), ASSOC. PROF. ($23,976 - 28,868), OR PROF. ($30,276 - 36,540) OF COMPUTER SCIENCE AVAILABLE IN NEW YORK, APR OR SEP 1982 to offer undergrad. courses, advise students, participate in curriculum development and program evaluation, and participate in other courses as appropriate to individual’s education and experience. Teaching load is equal to twelve hours per week of lecture and lab. The PhD in CS is preferred; Master’s in CS/IT is acceptable. Send letter with resume and three letters of recommendation to: Chairman, Department of Computer Science, Brooklyn Polytechnic Institute, Brooklyn, New York 11201. AN EQUAL OPPORTUNITY EMPLOYER M/F.

DUKE UNIVERSITY
The Department of Computer Science invites applications for positions of Assistant, Associate, or Full Professor. Candidates must have a strong background in computer science, including experience teaching, doing research, and supervising graduate students. Applications are solicited especially from women and members of minority groups. Send letter of application, vitae, three letters of recommendation and all official transcripts to: Chairman, Department of Computer Science, Duke University, Durham, NC 27708. AN EQUAL OPPORTUNITY/AFFIRMATIVE ACTION SECTION, TITLE IX EMPLOYER.

RICE UNIVERSITY—Applications are invited for a faculty position in the Computer Science Program at Rice University. Applicants should have received their Ph.D. in Computer Science, and be able to teach and conduct research in an area of interest to the Department. Salary and rank will be commensurate with experience. Applications should include a letter of interest, a vita, a complete list of publications and a summary of research and teaching interests. Applicants should send three letters of recommendations directly to: Chair, Computer Science Search Committee, Department of Computer Science, Rice University, 6100 Main Street, Houston, Texas 77251.

FACULTY POSITIONS IN COMPUTER SCIENCE
Applications are invited for tenure track faculty positions in the Department of Computer Science starting September 1982. Rank and Salary open. Candidates should have a PhD in computer science or a closely related area, and substantial experience teaching and research. Strong interest in cooperating with computer science students and other professionals in relevant areas. Send resume to: Dr. J. H. Halpern, Computer Science Chair, Computer Science Department, Rice University, Houston, Texas 77251.

UNIVERSITY OF CONNECTICUT
The Computer Science Division of the Electrical Engineering and Computer Science Department invites applications for tenure-track faculty positions at the Assistant, Associate, or Full Professor level beginning September 1, 1982. Candidates from all areas of specialization in computer science including, but not limited to, software engineering, databases, distributed computing, digital systems, computer architecture, computer networks, and machine intelligence. A PhD in Computer Science or a closely related field is required. Rank and salary are dependent upon background and experience. Individuals interested in a one-year visiting appointment at any level, including Lecturer, are encouraged to apply for these positions. The Department has established programs leading to the BS, MS, and PhD degrees in computer science with excellent research facilities including a VAX11/780, a PDP11/60 (UNIX), a distributed LSI-11 system, numerous microcomputer systems, and graphics facilities. Access is readily available to the University’s IBM 370/158 (4M) system (VM/CMS). Qualified applicants should send a detailed resume and the names of three references to: Chairman, Department of Computer Science, ECCS Department, U-157, The University of Connecticut, Storrs, Connecticut 06268. AN EQUAL OPPORTUNITY EMPLOYER M/F.

Chairman, Department of Computer Science and Engineering.

Computer Science Faculty Positions
University of Central Florida, Orlando, Florida

The Department of Computer Science at the University of Central Florida in Orlando has openings for several new FACULTY MEMBERS. These positions, effective August 1982, require PhDs in Computer Science, and will be filled with the ranks of Professor, Associate, and Assistant Professor. Residence in Florida is not required. Send letter of interest to: Dr. J. D. Smith, Chair, Computer Science Department, University of Central Florida, Orlando, Florida 32816. Telephone: (305) 275-2209 or 275-2341

Instructor/Professor Computer Science

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THE UNIVERSITY OF ALBERTA
DEPARTMENT OF COMPUTING SCIENCE

Applications are invited for two tenure track assistant professorships in Computing Science. Duties include conducting research, supervising graduate students, and teaching undergraduate and graduate courses. Applicants in all areas will be considered, although preference will be given to applicants with expertise in the areas of networks, programming languages, operating systems and computer architecture. A Ph.D in Computer Science or related field or demonstrated equivalent achievement in education and research is required.

The Department currently consists of 18 faculty with a wide range of research and teaching interests. Hardware support includes an Amdahl 470-V8, a VAX 11/780, Nanodata QM-1, PDP-11's, a PLATO system and a well-equipped mini and microcomputer lab.

Please send curriculum vitae and names of three references to: Dr. L. W. Jackson, Acting Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, Canada. T6G 2H1. The University is an equal opportunity employer, but in accordance with Canadian immigration regulations, Canadian citizens and permanent residents will be given preference.

Closing date for applications: April 1, 1982.

CHAIRPERSON
COMPUTER SCIENCE DEPARTMENT
WICHITA STATE UNIVERSITY

Applications are invited for the position of Chairperson, Department of Computer Science. The University is located in a metropolitan area of nearly 300,000 people and enrolls 17,000 students. A number of business and industrial firms provide opportunities for involvement in the production and application of computer systems. The Department, with eight full time positions, is housed in the College of Liberal Arts and Sciences, serves approximately 300 undergraduate majors and 80 graduate students, and offers BA, BS, MCS, and MS degrees.

Applicants must hold the Ph.D in Computer Science or a related discipline; experience in the area of management of staff is required. Rank and salary are dependent on qualifications and experience. Nine or 12 month appointment available. Deadline for applications is April 17, 1982. Send resume and three letters of recommendation to Dr. Gerald Loper, Box 32, Wichita State University, Wichita, KS 67208. Wichita State University is an Equal Opportunity/Affirmative Action Employer.

GEORGE WASHINGTON UNIVERSITY

The Department of Management Science seeks applicants for a tenure-track position, the level of assistant/associate professor. Doctorate required. Candidates should have expertise in several of the following areas: telecommunications, data-base systems, on-line systems design, programming languages, operating systems and microcomputer systems. Teaching responsibilities primarily graduate level. Send resume to John H. Carson, Program Director, Information Systems, Management Science Department, George Washington University, Washington, D.C. 20052. George Washington University is an equal opportunity, affirmative action employer.

March 1982

TRINITY COLLEGE

A coeducational independent undergraduate liberal arts college of 1750 enrollment with an engineering department which is also responsible for providing academic computing instruction and services has openings for the next three years for engineering and computer positions. These positions offer the opportunity to combine teaching, curriculum development, and research both in a particular engineering specialty and in computing. Applicants will be judged on the basis of effective undergraduate teaching and potential for developing new programs combining computing with traditional engineering courses. Applicants should have, or be about to complete, a Ph.D. The positions to be filled will be in computer engineering, electrical engineering, and mechanical engineering in any order. Candidates should send their resumes to Dr. Joseph D. Bronzino, Chairman, Engineering Department, Trinity College, Hartford, CT 06106. Candidates will be considered until May 1, 1982 for one position commencing September, 1982.

THE UNIVERSITY OF TEXAS
AT SAN ANTONIO

Electrical Engineering, UTSA, a growing institution with a combined undergraduate and graduate enrollment of 10,500, will initiate a new undergraduate engineering program in September, 1982, with BS degrees in civil, electrical and mechanical engineering. Applications are invited for Assistant and Associate tenure-track positions. Preference will be given to individuals with teaching and research interests in Computer Engineering and Electronics. Desired qualifications include an earned doctorate, a willingness to participate in the formation of a new program, and a commitment to quality undergraduate teaching. Mail application and resume and the names of at least three professional references to:

Mario J. Gonzalez, Acting Director, Division of Engineering, The University of Texas at San Antonio, San Antonio, Texas 78285.

UTSA is an equal opportunity, affirmative action employer.

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
YARMOUK UNIVERSITY
IRIBID, JORDAN

Invites applications for faculty positions available in the following areas:

- Languages and Compilers
- Operating Systems
- Data Bases
- Computer Architecture
- Microprocessor Systems
- VLSI Circuit Design
- Fabrication Techniques

The positions are at the Assistant, Associate, and Full professor levels and are available February and September 1982. A strong commitment to research and teaching at the undergraduate and graduate levels is required.

Salary Scales:

- Full Professor (800 - 1000) JD monthly
- Associate Professor (600 - 900) JD monthly
- Assistant Professor (500 - 700) JD monthly
- Junior Lecturer (347) JD monthly

Applicants are invited to send their resume, copies of publications, and three references to:

Dean, Faculty of Engineering
Yarmouk University
Iribid, Jordan

This tutorial addresses a broad definition of the software development environment. Thirty articles originally presented at Compcon '81, are sectioned to cover goals, language-based environments, Unix, methodologies, configuration, human/computer interaction, organization and ergonomics, as well as personal systems. 476 pp.

Order #385
Tutorial—SOFTWARE DEVELOPMENT ENVIRONMENTS
Edited by Anthony I. Wasserman
1981
Members — $18.75
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Use order form on p. 120C

Cognitive ergonomics and psychology, psycholinguistics and industrial/organizational psychology are covered in 50 papers. Includes recent research reports and difficult to obtain classical papers. Sections cover problem solving, language characteristics, specification formats, faults and debugging, team performance, individual differences, and methodology. 641 pp.

Order #390
Tutorial—HUMAN FACTORS IN SOFTWARE DEVELOPMENT
Edited by Bill Curtis
1981
Members — $22.50
Nonmembers — $30.00