CAREER OPPORTUNITIES

LAWRENCE BERKELEY LABORATORY

COMPUTER SCIENTIST

A Computer Scientist with strong research and leadership skills is being sought for a principal investigator level position in distributed computing systems research. Responsibilities will include leading the research and development activities of a small distributed computing group in the Computer Science Research Department. Preferably, the candidate will have a Ph.D. or equivalent and will have a strong background and publication record in network behavior, modeling, and measurement. However, the individual will also be responsible for establishing the direction of the group into other aspects of distributed systems research and development.

Present activities of the group are primarily concerned with local area network performance and analysis, protocol design, network modeling, and interactions with supercomputers within the ARPA Internet network. Distributed graphics, file system, and databases also are of interest to the Laboratory.

Other work in the department includes database management research, statistical analysis of ecologic summary data directed at epidemiological applications, and information systems development. Currently, members of the department interested in teaching hold joint appointments with the Computer Science Department at UCB and SF State University. In addition, the participation of undergraduate and graduate students from both institutions in the department's research activities are common.

A sophisticated hardware base, including token ring (10Mb and 80Mb) and CSMA/CD (10Mb) local-area networks, local-area network monitors, and workstation computers, support the activities of the group. Generally available facilities include three VAX-11/780 timesharing hosts belonging to the department, connections to MILINE, BITNET AND HEPNET, access to a lab-wide Ethernet (less than 250 hosts), and access to Cray X-MP and Cray-2 computation facilities provided by the Energy Research Computing Center.

Lawrence Berkeley Laboratory, which is adjacent to the Berkeley Campus of the University of California, is a multipurpose research laboratory funded by the U.S. Department of Energy. Major laboratory research programs include high energy physics, low energy nuclear physics, materials science, biochemistry research medicine, and earth sciences.

All candidates should write to the address below describing their professional interests and goals.

SPECIFY JOB #C/3742. Applications should include a curriculum vitae and the names and addresses of three or more references. A technical material describing the applicant's work, such as papers or technical reports would also be helpful. Send all applications to: Marina Gonzalez #C/3742, Lawrence Berkeley Laboratory, #1 Cyclotron Road, Bldg. 90-1012, Berkeley, CA 94720. Lawrence Berkeley is an Equal Opportunity/Affirmative Action Employer. U.S. citizenship is not required.

ROCHESTER INSTITUTE OF TECHNOLOGY

Faculty Position in Computer Engineering

The Department of Computer Engineering anticipates having an excellent tenure-track faculty position available at the assistant/associate professor level beginning in December, 1986. Applicants will be expected to have a strong interest and demonstrated ability to teach VLSI design and the ability to contribute to curricular development. Research in the areas of VLSI design, design automation, computer architecture, operating systems, and computer communications will be encouraged. Computer Engineering faculty and students have regular use of at least 9 large VAX systems, a CALMA VLSI design system and numerous workstations. The Department of Computer Engineering has recently completed a move to brand new facilities. This position affords unique opportunities to work in the hardware/ software interface to exercise significant influence on research, laboratories, and curricula. Applicants should have completed a Ph.D. degree in computer engineering or a related area by the time of appointment. Applicants should submit a resume and arrange for three letters of recommendation to be sent to Dr. Roy S. Czernikowski, Department of Computer Engineering, Rochester Institute of Technology, Rochester, NY 14623. RIT is an equal opportunity/affirmative action employer.

MARKETING/TECHNICAL DIRECTOR

Responsible for technical development and marketing of custom computer software. Develop specifications for programs, systems analysis for compatibility with client needs, systems design, product testing. Arrange contracts, expand client's businesses, responsibility for advertising, supervise post-sale support. Requires 3-4 years experience, familiarity with computers and systems software, computer marketing experience. Salary 40K. Job site and interview in Los Angeles. Send this ad and your resume to Job #47229, P.O. Box 9560, Sacramento, CA 95823-0560 not later than 8/18/86.

THE UNIVERSITY OF ALBERTA

DEPARTMENT OF COMPUTING SCIENCE

The Department of Computing Science is undertaking an extensive expansion in research initiatives. Applications are invited for three tenure-track positions at the Assistant/Associate Professor level. Responsibilities include research as well as teaching at the graduate and undergraduate levels. Candidates from all areas will be considered. Current hardware support includes a number of PDP 11/780s, and well equipped mini and micro computer laboratories for graphics, VLSI, and AI research. Access to a Cyber 205 is available. Salary range is $30,316 to $48,970 and is commensurate with qualifications and experience. Send curriculum vitae, names of three references, and up to three reprints or papers. New Ph.D.'s should also include a copy of their transcript. Applications to: Dr. D. Gould, Chairman, Department of Computing Science, University of Alberta, Edmonton, Alberta, T6G 2H1. Applications will be accepted until August 31, 1986. The University of Alberta is an equal opportunity employer.

PORTLAND STATE UNIVERSITY

POSITION ANNOUNCEMENT

In Electrical Engineering

The Department of Electrical Engineering has tenure-track faculty positions at the Assistant, Associate or Full Professor level available immediately. Applicants must have an earned doctorate. The areas of particular interest are VLSI Design, Interactive Computer Graphics, Computer Architecture, and Operating Systems. A VLSI design center, computer vision laboratory, and optical computing laboratory have recently been established in the Portland Center for Advanced Technology. Faculty members have access to a number of computer installations for research purposes including a VAX 11/780, IBM 4381, Gould 9000, a number of PDP 11 installations and a CDC Cyber system. In addition, the Department of Electrical Engineering has state-of-the-art laboratory facilities in computer graphics and micro computer systems. Responsibilities include graduate and undergraduate teaching, development of sponsored research and interaction with local industry. Portland has a rapidly-growing computer and electronics industry including Tektronix (world headquarters), Intel, Hewlett-Packard, Floating Point Systems (headquarters), Electro-Scientific Industries, Northwest Instruments, Sequent Computer Systems, Methues, Mentor Graphics, Oregon Software, Lattice, etc., which permits close industry-university interaction.

During the past three years, the computer and electronics industry, the State of Oregon, and the City of Portland have launched major initiatives to expand computer science and electrical engineering education and research. These include a $3 million distributed by the Oregon High Technology Consortium, a $3.5 million five-year program funded by the Tektronix Foundation, and the acquisition of a 30,000 square foot facility (the Portland Center for Advanced Technology) which houses the Departments of Computer Science and Electrical Engineering.

While this search is primarily for experienced faculty, we also strongly encourage recent graduates to apply. Rank and salary are commensurate with qualifications and experience. Send an application, including a resume listing the names of three references to:

Dr. P.A. Frick, Department Head
Electrical Engineering Department
Portland State University
PO Box 751
Portland, Oregon 97207
Telephone: (503) 229-3826

Non-U.S. residents must state their visa status.

Portland State University is an equal opportunity/affirmative action employer. Qualified minorities, women, and members of other protected groups are encouraged to apply.

NATIONAL INVENTOR'S EXPOSITION

Ideas, inventions, new products wanted by one of America's leading invention submission firms to submit to industry and exhibit at National Inventor's Exposition. Call free 1-800-528-0650. Canada, 1-800-528-0600. Extension 831. Or write: ISC-COMP, 903 Liberty Avenue, Pittsburgh, PA 15222.

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Call for Papers
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Second International Conference on Computers and Applications: June 24-26, 1987, Beijing, China. Long and short papers are sought. Long papers will be judged on the basis of a 100-word abstract and the full text (20 double-spaced pages maximum); short papers will be judged on the basis of a 100-word abstract and a summary of 100 words. To submit a paper in either category, send four copies of both required items by August 31, 1986, to Oscar N. Garcia, Dept. of Electrical Engineering and Computer Science, Room T-637, George Washington University, 801 22nd St., NW, Washington DC 20052; (202) 676-7175 or Zhang Xiaoxiang, Institute of Computer Technology, Academia Sinica, PO Box 2704; 100080 Beijing, China; phone 283131, ext. 556.

Ninth IEEE International Conference on Software Engineering (ACM): March 30-April 2, 1987, Monterey, California. Submit four copies of a paper (6000 words maximum; a full-page figure equals 300 words) that includes a short abstract and a list of keywords by September 1, 1986, to Robert Balzer, Information Sciences Institute, 4676 Admiralty Way, Marina del Rey, CA 90291 or Kouichi Kishida, Software Research Associates, 1-1-1, Hirakawa-cho, Chiyoda-ku, Tokyo 102, Japan.

Tapsoft 87, Joint Conference on Theory and Practice of Software Development: March 23-27, 1987, Pisa, Italy. Papers are sought for two conference events: (1) the Colloquium on Trees in Algebra and Programming and (2) the Colloquium on Functional and Logic Programming and Specifications. To have a paper considered for presentation at either colloquium, authors should send a draft version (10 to 15 pages) by September 1, 1986. Submit papers for Colloquium One to Ugo Montanari, Dipartimento di Informatica, Universita di Pisa, Corso Italia 40 I-56100 Pisa, Italy. For Colloquium Two, submit them to Giorgio Levi, Dipartimento di Informatica, Universita di Pisa, Corso Italia 40 I-56100 Pisa, Italy.

CSCC-87, 1987 ACM Computer Science Conference: February 17-19, 1987, St. Louis, Missouri. Papers (10 pages maximum) that are suitable for 20-minute presentations are sought. Submit five copies by September 5, 1986, to Arlan R. DeKock or George Zobrist, MCS 125, University of Missouri-Rolla, Rolla, MO 65401; (314) 341-4492. Short reports on current research activities are also sought (these should be suitable for 12-minute presentations and will be judged on the basis of a 500-word abstract), as are proposals for panel sessions and tutorials. Submit materials in these three categories by the same date to Arlan DeKock or George Zobrist.


IEEE Transactions on Software Engineering: Articles are sought for a special issue on software for local area networks. Submit six copies of the article and an IEEE copyright release form by September 15, 1986, to Susan Jajodia, Naval Research Laboratory, Code 7594, Washington DC 20375; (202) 767-3596 or Satish K. Tripathi, Dept. of Computer Science, University of Maryland, College Park, MD 20742; (301) 454-5165.

1987 ACM Sigmetrics Conference on Measurement and Modeling of Computer Systems: May 11-14, 1987, Banff, Alberta, Canada. Send six copies of paper (5000 words maximum) by September 23, 1986, to Derek L. Eager, Dept. of Computational Science, University of Saskatchewan, Saskatoon S7N 0W0, Canada.

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