NEW ZEALAND UNIVERSITY OF CANTERBURY

SENIOR LECTURER OR LECTURER

DEPARTMENT OF ELECTRICAL AND ELECTRONIC ENGINEERING

Applications are invited for a position, as above. Applicants should possess a higher degree and should preferably have corporate membership of a recognized Institution as well.

The salary for Senior Lecturers is on a scale from $NZ227.088 to $NZ230.127 (bar), to $NZ234.387 per annum and for Lecturers is on a scale from $NZ221.660 to $NZ225.684 per annum.

Applications close on 13 August 1984.

Further particulars and Conditions of Appointment may be obtained from: W. Hansen, Registrar, University of Canterbury, Private Bag, Christchurch, New Zealand.

FACULTY POSITIONS SPRING 1985

ELECTRICAL ENGINEERING

California State University, Fullerton. The Department of Electrical Engineering at California State University, Fullerton seeks applications for tenure-track positions at the Assistant and Associate Professor levels and for open Lecturer, non-tenure-track positions, starting in January 1985. Applicants must hold a PhD in Electrical and/or Computer Engineering with specialization in computer architecture, robotics, computer aided design and signal processing. Candidates must indicate interest in tenure-track or lecturer position. Send resume and three references before August 31, 1984 to Dr. Mohsen S. Grewal, Chair, Electrical Engineering Department, California State University, Fullerton, California 92634. Applications accepted until positions are filled. CSUF is an Affirmative Action/Equal Opportunity Employer.

CHAIRMAN, Department of Electrical and Computer Engineering, Ohio University, Athens, OH. Applications are invited for the chairman's position which is also a tenured faculty appointment. The department has 17 faculty involved in a traditional, ABET-accredited program. There are 448 undergraduate students, with 48 more pursing MS and PhD degrees. Many of sponsored research activities amounts to approximately $4 million dollars per year. The successful applicant must have a Ph.D. in Electrical Engineering, a demonstrated capability to lead an academic unit in pursuits of quality education and research, and a desire and drive to move the department to higher levels of achievement. Recently acquired endowments totaling 5 million dollars has and will provide an increase in the financial base of this state-supported academic organization for new levels of accomplishments.

Ohio University is the first institution of higher learning in the old Northwest Territory. The College of Engineering and Technology celebrates its fiftieth anniversary in 1985 by moving into new physical quarters. It is located on the banks of the Hocking River in the picturesque, wooded, rolling hills of southeastern Ohio.

Applications should be sent to Dr. Richard H. McFarland, Chairman, Search Committee, Department of Electrical and Computer Engineering, 207 Clippinger Laboratories, Ohio University, Athens, OH 45701-2979.

This position is available immediately. Applications are due by October 1, 1984. Ohio University is an Equal Opportunity/Affirmative Action Employer.
MAJOR OIL COMPANY RESEARCH DEPARTMENT LOOKING FOR COMPUTER SCIENTIST

Major oil company is involved in substantive research in software tools to support application development for supercomputers. The main goal of this research is to create an environment in which application programs can be made independent of specific hardware constraints without sacrificing effective use of computational capacity.

This research addresses problems related to program portability, language functionality, programming techniques, software complexity, array and pipelined processing, and asynchronous parallel computation.

The company has several computing research projects in progress and will consider strong candidates with an MS or PhD in any area of computer science or a closely related field. Candidates must have a serious interest and proven ability in computer science research.

Research department of major oil company, in a sunbelt location, offers outstanding opportunities for computer scientists to provide imaginative technical leadership in major areas of programming technology, software system development, database processing, and graphics. To explore these professional opportunities, send your resume to:

DEPT #2
Nationwide Advertising Service Inc.
Confidential Reply Service
5800 E. Skelly Drive, Suite 801
Tulsa, OK 74135

An Equal Opportunity Employer

Portland State University: Electrical and Computer Engineering

The Department of Electrical Engineering has four tenure-track faculty positions at the Assistant, Associate or Full Professor level available immediately. Applicants must have an earned doctorate. Areas of particular interest are:


A VLSI Design Center has been established in the Electrical Engineering Department and faculty have access to a number of computer installations for research purposes. Responsibilities include undergraduate and graduate 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), Mephisto, Mentor Graphics, Lattice.

Send applications, including a resume and the names of three references to: Dr. P. A. Frick, Head, Department of Electrical Engineering, Portland State University, P. O. Box 751, Portland, OR 97207. 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.

PROFESSORSHIP IN COMPUTER GRAPHICS/CAD

The School of Electrical Engineering, Georgia Institute of Technology, seeks candidates for the Charles A. Muench, Jr., Professorship in Computer Graphics and Computer Aided Design. Nomineations and applications for this faculty position are invited. Associate or Full Professor level are being sought. Candidates must hold a PhD in Electrical Engineering, or equivalent experience, a record of distinguished performance in the subject area, and well established potential for providing leadership in program development. Resumes and nominations should be addressed to: Director, School of Electrical Engineering, Georgia Institute of Technology, Atlanta, Georgia 30332. Georgia Tech is an equal opportunity, affirmative action employer.

FACULTY POSITION in Communications Systems

Queen’s University in cooperation with Bell Northern Research (BNR) has established a unique faculty position in Communications Systems. We are seeking a person with research expertise in an area of interest to the Canadian communications industry: Microelectronics and VLSI design, data and communication systems, integrated voice/data systems, computer engineering, and software engineering are potential areas.

The appointee will have access to BNR research facilities and the active cooperation of BNR professional staff. Start-up research funding will be provided.

The position is a regular renewable faculty appointment with normal teaching and research duties. It is anticipated that the appointment will be in the Department of Electrical Engineering or the Department of Computing and Information Science with the opportunity to participate in the activities of both departments.

Candidates of both sexes are equally encouraged to apply: Canadian citizens and landed immigrants will be given preference.

Applicants should send a curriculum vitae and the names of three references by August 31, 1984 to:

Paul H. Wittke, Head, Department of Electrical Engineering
Queen’s University, Kingston, Ontario, K7L 3N6

or

Glenn H. MacEwen, Head, Department of Computing and Information Science
Queen’s University, Kingston, Ontario, K7L 3N6

SUNY PLattsBURGH COMPUTER SCIENCE

Tenured-track faculty positions in Computer Science, effective Fall 1984. All specialties considered, with preference for persons in Systems Programming and Applied Computer Science. Plattsburgh State has a strong undergraduate Computer Science major. Responsibilities particular ty solicited from persons with advanced degrees and experience in government and industry. Send applications and three letters of recommendation to: Prof. J. A. Archibald, Jr., Chairman, Department of Computer Science, Box 1001, SUNY College of Arts and Science, Plattsburgh, NY 12901. Salary negotiable. This is a re-opened search. Closing date for applications: June 30, 1984 or until position is filled. An Equal Opportunity/Affirmative Action Employer.

SENIOR SCIENTIFIC PROGRAMMER

NATIONAL OPTICAL ASTRONOMY OBSERVATORIES

TUCSON, ARIZONA

The NOAO has an opening at Kitt Peak National Observatory for a Senior Scientific Programmer in our Interactive Data Reduction and Analysis group (IRAF). Primary duties include development of general image processing software, interface and control software for image display devices, and general systems software support. This individual will have a chance to make a significant contribution to the design and operation of the IRAF system, a major new image processing system being developed at Kitt Peak for use at astronomical research centers and universities throughout the U.S.

The successful candidate will be a self-motivated professional with a desire to build state-of-the-art software in support of astronomical research. Requirements include at least a Master’s degree in Astronomy or Physics and four or more years of professional programming experience, including extensive experience with image processing. In addition, this individual must be an experienced software designer who can demonstrate a mastery of modern software engineering techniques by supplying documentation and examples of code from projects already completed. Familiarity with Fortran C and either UNIX or VMS is required.

The NOAO provides an excellent environment for software and algorithms development, including access to four VAX 11/750 computers, a variety of image display devices, and high quality graphics output devices. We offer an excellent compensation and benefits package, including 24 days annual vacation and, after one year, a fully vested retirement plan. Please send resume and salary history by August 1, 1984, in confidence to:

Judith Ruffino
Personnel Manager
P.O. Box 26732
Tucson, AZ 85726

An Equal Opportunity/Affirmative Action Employer.

RESEARCH PROFESSORSHIP

Intelligent Support Systems/Management of the Modeling Process

Two (2) research faculty positions are available (one in September, 1984; one in January, 1985) in the Institute for Artificial Intelligence, Engineering Administration Department. The Institute is primarily involved in the areas of design of intelligent support systems (e.g., expert systems, decision support systems and information systems) and standards for software applications. Individuals are sought who will participate on current projects and who will attempt to develop their own research directions. These are non-tenure accruing appointments. Earned doctorate preferred. Salary and rank will depend on qualifications. Send vita and references to:

Dr. Barry G. Silverman
Director
Institute for Artificial Intelligence
School of Engineering & Applied Science
THE GEORGE WASHINGTON UNIVERSITY
Washington, D. C. 20052

The George Washington University is an equal opportunity/affirmative action employer.

July 1984
ENGINNERS

With unprecedented advances in ink jet imaging and related technologies, Diconix has made a difference in business and industry alike. Our exciting products have met the challenges of the Information Age head on, and that's the primary reason why Diconix is synonymous with innovation!

Right now, we have opportunities for tomorrow's engineers who are ready to make their expertise translate into success.

SOFTWARE ENGINEER

QUALITY ASSURANCE

Scope of responsibilities will include writing device verification routines for printers and writing physical and logical I/O drivers to emulate various host computer configurations that OEMs may want to utilize. Additionally you will test evaluate and verify software produced by outside vendors.

Qualified candidate will be highly detailed and self motivated, and have 3 - 5 years experience in QA, Test Engineering or product development. A demonstrated ability to work independently on projects is essential. Solid experience writing test software using PDI 5.4 and/or VAX 11/780 and a functional familiarity with UNIX is a must.

PROJECT LEADER

Responsibilities will include working with optical input scanners in a hands-on environment. This position calls for a professional degree in Electrical Engineering, with responsibilities including the design and development of various interfaces for high resolution printer systems. Additional assignments will encompass both link level emulation, protocol emulation, as well as functional emulation of competitive printing systems.

The selected candidate will have a thorough background in communications, along with a working knowledge of synchronous and asynchronous protocols as well as a knowledge of various network protocols such as Ethernet and IEEE 802. Experience with microprocessors and assembly code is essential. Any experience with Motorola 68000 is a definite plus.

As a Diconix professional, you'll play a key role in developing the technology of tomorrow, while earning an excellent salary and fully comprehensive benefits package. For consideration, please forward resume including salary history and position applying for, in confidence to: Human Resources Administrator, DICONIX, A Kodak Company, 3800 Space Drive, Dept. IEEEC, P.O. Box 3230, Dayton, Ohio 45431.

A Equal Opportunity Employer M/F.

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 PhD 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 computer facilities and strong ties with local industry and other educational and institutional support.

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.

WANG INSTITUTE OF GRADUATE STUDIES

School of Information Technology

Distinguished Scholar

in

Software Engineering

The School of Information Technology offers a special visiting appointment (1984/85) for a scholar of demonstrated software engineering skills and accomplishments.

The focus of development for the School is a Software Engineering curriculum dedicated to professional excellence and strong ties with the industry. The School is distinguished with contacts with high technology industries, and bridge the gap between academic teaching and industrial activity.

The Institute offers excellent facilities for professional development including modern computing systems, an excellent software engineering library, graduate assistants, and secretarial support. Grants for staff and equipment support are available. The present student/faculty ratio is 8:1. The professional attitude and quality of the students enhances an atmosphere of information exchange.

The position has no fixed responsibilities other than the preparation and delivery of 5 lectures per semester in the regular curriculum of the Master of Software Engineering Degree. It is expected the visitor will have a definite plan of activities for the year.

Interested parties should submit a letter of application to the Chair of the Faculty, including a discussion of plans for the visit, required technical support, names of three references, and a resume. Consideration and benefits are appropriate to the position.

Chair of the Faculty

Wang Institute of Graduate Studies

Tyng Road

Tyngsboro, Massachussetts 01879

Mr. Keenan: Wang Inst at CSNet Relay
decvax!t.wake!m.Keenan

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 who 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 development of a research project. 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.