Florida Atlantic University

Florida Atlantic University, a State University, is implementing its recently approved Ph.D. programs in Electrical and Computer Engineering. The University is located in Boca Raton, on Florida's southeast coast, noted by its excellent living conditions and as a center for the computer and electronics industry. IBM Personal Computers, Robotic Systems and Silicon minicomputers are built here, and other nearby industries include Gould 56L, Harris Computers, MOD-COMP, Motorola, Bendix and Siemens. The Electrical and Computer Engineering Department is expanding rapidly, having recently moved to a new building with well-equipped laboratories. Computational facilities include numerous micro- and mini-computers in the Department, plus access to the VAX 11/780, Univac 1100, and IBM 360 computers. Applicants must have a Ph.D. and potential for high quality teaching and research. The Department is committed to an active research program and faculty assignments are arranged to support research. Applicants for senior positions are encouraged. Rank and salary will be commensurate with qualifications. Send resume to Dr. Yaoc Shamash, Chairman, Department of Electrical and Computer Engineering, Florida Atlantic University, Boca Raton, Florida 33431. Florida Atlantic University is an Equal Opportunity/affirmative action employer.

MANAGER QUALITY CONTROL COMPUTER SYSTEMS DEVELOPMENT

The Upjohn Company, a leading pharmaceutical manufacturing company located in Kalamazoo, Michigan, is seeking a Data Processing Professional to assume responsibility for development and implementation of integrated programs for laboratory automation, process monitoring, data analysis, analytical data bases and information systems. We require a minimum of eight years experience in computer software development with an advanced degree in data processing, chemistry, physics, or engineering. The incumbent should have experience on DEC-VAX mini-computers and current knowledge of new technologies including robotics, analytical instrumentation, fourth generation languages, graphics, and data bases. The incumbent will be an excellent communicator and will have demonstrated high level managerial ability.

Kalamazoo is a mid-sized Southwestern Michigan community offering a mix of cultural/recreational opportunities including lakes, nearby colleges, and a four-season climate. The Upjohn Company offers a competitive salary and benefits and relocation assistance.

For confidential consideration please call toll free from outside of Michigan 1-800-253-8600 and ask for extension 36767 or from Michigan, call collect at 616-323-4767. We'll send you a specialized employment application to you immediately. Please refer to ad number 17874-E when calling.

DR. John Kendall, Head Department of Computer Science
The University of Calgary
2500 University Drive
Calgary, Alberta, Canada T2N 1N4
Telephone: (403) 284-5454

UNIVERSITY OF MINNESOTA, DULUTH

Dept. of Mathematical Sciences, Duluth, MN 55812. Full Professorship beginning 9/1/86. Salary competitive, commensurate with experience and qualifications. Duties: Teach 6-10 hour grad and undergrad mathematics and computer science; assist in development of MS in CS and applied math. Conduct research in CS, math, and applications thereof. Qualifications: Ph.D. in math or CS; 10 years teaching theoretical and applied math and CS at both grad and undergrad levels; experience directing master's theses in math and CS; refereed publications in math and CS; active in professional societies. Send letter of application, resume, and 3 letters of recommendation to Sabra Anderson by 9/15/86. The University of Minnesota is an Affirmative Action/Equal Opportunity educator and employer and specifically invites and encourages applications from women and minorities.
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 quality software projects, and pursue their individual research interests. Positions are available for full-time faculty members and one-year visitors who have experience in teaching and research. The Institute is a unique environment where the best graduates can pursue education and research concurrently.

Instructor

The Department of Information Technology and Software Engineering at the University of Massachusetts, Boston, invites applications for an instructor position in the faculty of software engineering. The candidate should have a Ph.D. degree in computer science or a related field and at least three years of teaching and/or industrial experience. The instructor will be responsible for teaching courses in software engineering and other related areas.

Faculty Position

The School of Information Technology and Software Engineering at the University of Massachusetts, Boston, invites applications for a full-time faculty position at the rank of instructor in the area of software engineering. The candidate should have a Ph.D. degree in computer science or a related field and at least three years of teaching and/or industrial experience. The instructor will be responsible for teaching courses in software engineering and other related areas.

MICHIGAN STATE UNIVERSITY
CHEMISTRY DEPARTMENT

We seek a skilled professional programmer to support our teaching program. Applicants must have a record of productivity in planning and writing interactive C programs and experience in the design and implementation of database management systems. The position allows considerable professional freedom in an attractive academic environment. Send resume, a list of references, and salary requirement to Professor G. J. Karabatsos, Chair, Department of Chemistry, Michigan State University, East Lansing, MI 48824. MSU is an Equal Opportunity/Affirmative Action employer.

Chair, Department of Electrical Engineering
University of California, Irvine

The School of Engineering of the University of California, Irvine (UCI) invites applications and nominations for the position of Chair of the Department of Electrical Engineering. The present size of the Department is 15 full-time faculty. The Department expects to add 11 to 15 faculty positions over the next six years. The UCI is located in the center of the dynamic Southern California region with a strong concentration of high-technology companies in the United States. The local electronics manufacturing activity is one of the largest in the world.

The new chair is expected to provide strong leadership in new faculty recruiting, effective utilization of the current intellectual resources, and development of industry interaction. The individual should have demonstrated the ability to be an effective leader and to conduct significant research.

Address applications and nominations to:
Chair, EE Search Committee
Room 444E, Engineering Building
University of California, Irvine
Irvine, CA 92717

Applications should include complete resume with five references. Applications will be reviewed until the position is filled. UCI is an Equal Opportunity/Affirmative Action Employer.

INDIANA UNIVERSITY CYCLOTRON FACILITY
COMPUTER PROFESSIONAL POSITION

The Indiana University Cyclotron Facility invites applications for a full-time computer professional to work in the field of scientific applications programming. IUCF operates the world's largest multiparticle, isochronous cyclotron under a grant from the National Science Foundation, and is currently constructing an electron-cooled storage ring. The computing facilities include three DEC/VAX 11-750 computers operating under VMS and additional processors in the PDP and LSI families. Expansion to include a DEC/VAX 8600 is imminent.

This position will carry primary responsibility for the development of an integrated software system for nuclear data analysis, including data simulation, graphics, and essential utility programs. Other tasks may include work with real-time data acquisition or computer-supervised controls. Interaction with scientific users of IUCF is essential. A B.S. degree in physics or computer science is required, and two or more years experience with applications programming at a scientific laboratory is preferred.

Send resume and names of three references by September 1, 1985 to:

Robert Woodley, Asst. Director
Indiana University Cyclotron Facility
2401 Milo B. Sampson Lane
Bloomington, IN 47405
USA
(812) 335-9365

Indiana University is an Affirmative Action/Equal Opportunity Employer.

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

Every faculty member is assigned to a research project, and the faculty are 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 in the Boston Hi-Tech Park, a unique environment for academic, cultural, and professional activities. Instructional computing facilities at the Wang Institute include a VAX 11/750 (VMS), a VAX 11/780 (UNIX), a Prime 750, a Wang VS100, Apollo DOWAINS, and IBM, Apple, Wang, and Hewlett-Packard personal/professional computers. A growing collection of software tools for software engineering is maintained by the staff of the Wang Institute Software Environment project.

Applicants 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/or software management to: Richard E. Fairley, Faculty Chair, Wang Institute of Graduate Studies, 720 Park Street, Boston, MA 02116.

FACULTY POSITION IN COMPUTER ENGINEERING

The Division of Engineering of Brown University announces a tenure-track position in Electrical Engineering starting in January, 1986. The appointment will be made at the Assistant Professor level. Applicants are sought from candidates with a Ph.D. or equivalent degree in electrical or computer engineering. The applicant should have a strong commitment to high-quality research and to teaching at both graduate and undergraduate levels. Experience in one or more of the following disciplines is being sought:

- Applications/Networks
- Computer Architecture: Parallel, distributed, and high-speed algorithms-driven architectures
- Computer Engineering: Software development and networking
- Computer Networks: Signal processing, computer vision, robotics, or computer-aided engineering
- Computer Science: Mathematical analysis and implementation
- Computer Architecture: Parallel, distributed, and high-speed algorithms-driven architectures
- Computer Networks: Signal processing, computer vision, robotics, or computer-aided engineering

Applications are due in mid-February, 1986.

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 bachelors, masters and PhD level. Interested persons should contact: Dr. C. C. Yang, Chairman, Faculty Search Committee, Department of Computer and Information Sciences, University of Alabama in Birmingham, University Station, Campbell Hall Room 115B, Birmingham, Alabama 35294.

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August 1985

125
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Software Engineers
To participate in the specification, design and development of systems for satellite control applications. Requires 5+ years' experience in the development of real-time software and familiarity with top-down software development and test methodologies. Candidates will be experienced in one or more of these systems/technologies. INTEL 8086; Series 3/EDX; VAX 11/750/UNIX;* IBM 370/OS/MVS, Ada; FORTRAN, JOVIAL-73/JCL/Assembly.

Software Validation and Test Engineers
Analyze test requirements, formulate and document responsive test plans, design and develop software functionality test drivers and output analyzers, prepare formalized test procedures and conduct software tests. A broad knowledge of mini/microcomputer architecture operating systems and languages with applications to software verification and validation also required. BSCS required, MS highly desirable.

Expert Systems Engineers
We seek an experienced Computer Scientist to lead in the implementation of a major AI effort, assist with current projects, and support future business acquisitions. Requires 2-5 years' experience in the design of expert systems.

There is also an opening for an individual familiar with AI concepts who would like an opportunity to develop skills.

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Purdue University Calumet
Hammond, Indiana
Department of Mathematical Sciences

Applications are invited for a tenure track position in computer science starting January 1986. Candidates must have a Ph.D. or equivalent in Computer Science. The salary is competitive, there are excellent fringe benefits, including full TIAA-CREF contributions. The Department of Mathematical Sciences at Purdue Calumet has an undergraduate Mathematics and Computer Science option leading to the Bachelor of Science degree. Master of Science programs provide the opportunity for specialized course work. Hammond is located in northwest Indiana and is a thirty minute drive from the Chicago Loop. Applicants are asked to submit resumes and obtain at least three letters of recommendation by September 15, 1985. Address correspondence to: Head, Department of Mathematical Sciences, Purdue University Calumet, Hammond, Indiana 46323—An Affirmative Action/Equal Opportunity Employer.

Illinois Institute of Technology
Computer Engineering Faculty Positions

Applications are invited for two tenure-track positions at Assistant, Associate, or Full Professor level, in (a) computer networking and telecommunications, and (b) microelectronics and computer aided electronics design. Applicants should have a Ph.D. degree in computer engineering, electrical engineering, computer science, or a related discipline, with a good research record or extensive industrial experience. The Electrical and Computer Engineering Department at IIT presently has 21 full-time faculty members, serving over 600 full-time undergraduate and graduate students. Departmental computer facilities include PDP11/70, PDP11/34, two Xerox 1108's, Ridge 32C, HP9826, four HP9836's, two Intel 86330's, two AT&T 3B2's, numerous PCs and microprocessors, and image processing as well as robotic facilities, interconnected by an Ethernet. In addition, the Academic Computing Center provides access to six VAX-class machines. The Advanced Automation Laboratories have been established, consisting of seven research laboratories in computer networking, information systems, and distributed processing, ultrasonic information processing, signal processing, distributed processing, and robotics. A Telecommunications and Integrated Information Systems Research Center sponsored by industries and national funding agencies is expected to be initiated this year, creating a conducive environment for basic and applied research in telecommunications, advanced automation, and microelectronics.

To apply, send resume, list of publications and three letters of recommendation to Professor Shi-Kuo Chang, Chairman, Department of Electrical and Computer Engineering, Illinois Institute of Technology, IIT Center, Chicago, IL 60616. IIT is an AA/EEO employer.