

**LEHIGH UNIVERSITY
Faculty Openings in Computer
Engineering and Computer Science**

The Computer Science and Engineering (CSE) department of Lehigh University, as part of a \$75M program, plans to hire multiple faculty in each of the next several years. This year's areas include computer architecture, digital systems, embedded/mobile systems, networking, compilers, operating systems, software engineering, and distributed systems. Lehigh is ranked among the top 40 national universities and is rated "most selective" by both Baron's and Peterson's guides. The CSE department offers BS, MS and PhD degrees. Further details about the department are available in the December issue of IEEE Computer and an on-line application is available at <http://www.cse.lehigh.edu/cse-search.html>. Send questions/comments to facsearch@cse.lehigh.edu or contact Michael Schulte, the chair of the CSE search committee, at mschulte@cse.lehigh.edu. Lehigh is an AA/EEO Employer.

THE UNIVERSITY OF ARIZONA

The Department of Electrical and Computer Engineering at the University of Arizona in Tucson, AZ, seeks outstanding faculty candidates for a tenure track position in Computer Engineering, preferably at the Assistant Professor level. All emerging areas in computer engineering are of interest including (but not limited to): high performance digital and/or mixed signal systems design, synthesis, testing, formal verification, embedded systems, and VLSI CAD for deep sub-micron systems design.

Applicants must have received a doctoral degree in Electrical or Computer Engineering or related discipline. Excellence in research and a potential for excellence in teaching are important requirements. The successful candidate will be expected to establish a high quality research program and to teach undergraduate and graduate courses in their general area of specialty. The VLSI faculty in the Computer Engineering and Microelectronics groups in the ECE Department are particularly seeking candidates who are interested in participating on collaborative efforts. Applicants must send a resume, a statement of teaching and research interests, and a list of three references to: Prof. John A. Reagan, Department Head, Electrical and Computer Engineering, The University of Arizona, Tucson, AZ 85721.

The Department of ECE is in the top 10 percent of ECE departments in all U.S. colleges and universities. This year's U.S. News & World Report graduate rankings for Electrical/Electronic Engineering specialties lists UA-ECE among the top twenty public universities. Research funding in previous years amounted to over \$5.2 million/year. There are currently 881 undergraduate students and 278 graduate students enrolled in the department.

Review of application materials is cur-

rently ongoing and will continue until the positions are filled. The University of Arizona is an EEO/AA Employer - M/W/D/V. Applicants must be able to provide proof of authorization to work in the United States.

**INDIANA UNIVERSITY
Faculty Positions**

The Indiana University Computer Science Department anticipates filling several tenure-track faculty positions beginning 2002-2003. Areas of interest are databases, embedded systems and networking. In addition our new, privately endowed, pervasive technology labs will be hiring several senior positions in the areas of graphics, human computer interaction, embedded systems and data mining.

The CS department, which is part of the College of Arts and Sciences, is working cooperatively with our new School of Informatics, which offers a B.S. degree focusing on the application of information technology to various disciplines and has M.S. programs in Human Computer Interaction, and Bio and Chemical Informatics. Cross-appointments with Informatics are possible in computer science related areas such as data mining and search technologies.

A Ph.D. in Computer Science is required for all CS faculty positions. Applicants must have demonstrated potential for excellence and productivity in research. In addition, a strong contribution to the educational mission of the department is expected.

The department occupies a spacious limestone building with extensive state-of-the-art computing facilities. The attractive wooded campus of Indiana University is located in Bloomington, chosen as one of the most cultural and livable small cities in the US, and only one hour from the Indianapolis airport. To learn more about the department please visit our web site at www.cs.indiana.edu.

Please send a detailed CV and a list of references to:

Faculty Search
Computer Science Department
Indiana University
Lindley Hall 215
Bloomington, IN 47405-7104
email: search@cs.indiana.edu
Indiana University is an Equal Opportunity/Affirmative Action Employer. The Computer Science Department strongly encourages applications from women and minorities.

PURDUE UNIVERSITY

Purdue University School of Electrical and Computer Engineering seeks outstanding candidates in computer engineering for research and teaching in the following areas: artificial intelligence, compilers, computer graphics, computer architecture, computer networks, distributed computing, multimedia systems, operating systems, software engineering, VLSI and CAD. Strong candidates in all areas of computer engineering are encouraged to apply. Openings are for tenure-track faculty at all levels.

Send a resumé, including a statement of research and teaching interests and a list of at least three references, to: Head, School of Electrical and Computer Engineering, Purdue University, 1285 EE Building, West Lafayette, IN 47907-1285. Applications will be considered as they are received. Purdue University is an Equal Opportunity/Affirmative Action employer.

**THE OHIO STATE UNIVERSITY
Department of Computer and
Information Science**

The Department of Computer and Information Science invites applications for at least six tenured or tenure-track positions. Areas of primary interest include, but are not limited to, artificial intelligence (including speech and language processing, vision, and machine learning), graphics (including visualization, computer animation, geometric modeling and meshing), human-computer interaction, networking (including mobile computing and network security/dependability), software engineering (including component-based software, formal methods, and programming languages), and systems (including operating systems, data-intensive computing, grid computing, network-based computing, parallel systems, distributed computing, and scientific computing).

Appointments at all ranks will be considered. Applicants for an assistant professor position should hold or be completing a Ph.D. in computer science or a closely related field, and have a commitment to excellent research and quality teaching. Applicants for a senior position should also demonstrate a strong record of external funding and impact on their field.

The department maintains active collaborative relationships with the Ohio Supercomputer Center, Advanced

SUBMISSION DETAILS: Rates are \$25.00 per line (ten lines minimum). Average five typeset words per line, eight lines per column inch. Add \$10 for box number. Send copy at least one month prior to publication date to: Marian Anderson, Classified Advertising, *Computer Magazine*, 10662 Los Vaqueros Circle, PO Box 3014, Los Alamitos, CA 90720-1314; (714) 821-8380; fax (714) 821-4010. Email: manderson@computer.org. **ON-LINE:** For each classified ad placed in *Computer* you get a FREE duplicate listing on the IEEE Computer Society's World Wide Web site at <http://www.computer.org>. Each infoserfer listing runs for a period of one month.

Computing Center for the Arts and Design, Cognitive Science Center, and many other centers and departments in the university.

To apply, please send a curriculum vita, along with a cover letter, by e-mail to:

fsearch@cis.ohio-state.edu
or by mail to:

Chair, Faculty Search Committee
Department of Computer and
Information Science
The Ohio State University
2015 Neil Avenue, DL395
Columbus, OH 43210-1277

Review of applications will begin immediately and will continue until the positions are filled. For additional information please see <http://www.cis.ohio-state.edu>.

The Ohio State University is an Equal Opportunity/Affirmative Action Employer. Qualified women, minorities, and individuals with disabilities are encouraged to apply.

UNIVERSITY OF UTAH

The department of Electrical and Computer Engineering, University of Utah, Salt Lake City, is seeking applications to fill one and possibly several tenure-track positions primarily at the assistant professor level. We will also entertain applications from outstanding applicants with significant academic and/or industrial experience for higher levels. We are particularly interested in candidates with expertise in computer engineering with emphasis on digital and analog VLSI circuits and VLSI CAD.

The department is expected to add several new positions in the near future in response to the State of Utah's Technology Initiative. We will entertain applications in the general areas of VLSI design, high frequency electronic circuits and devices, wireless communications and signal processing and micro- and nano-scale systems in anticipation of these positions. Preference will be given in all positions to applicants who complement existing strengths within the department and the University of Utah community. Information on department research, teaching and service activities may be found on the web at www.ece.utah.edu. Faculty responsibilities include effective classroom teaching at the undergraduate and graduate levels, developing curricula and laboratories, and developing and maintaining a nationally recognized research program that complements current activities in the department and University.

Situated among three mountain ranges, the University of Utah offers its students, staff and faculty an excellent academic and research environment along with unparalleled access to outdoor recreation, professional arts and sports organizations, entertainment and other urban cultural activities. Salt Lake City has ranked at or near the top in several rankings of US cities based on the quality of life, business climate, and

demographic data. Résumés with names and contact information for at least three references should be sent to Ms. Joann Hargis, Faculty Search Committee, Electrical and Computer Engineering Department, Merrill Engineering Building, 50 South Central Campus Drive, Room 3280, Salt Lake City, UT 84112-9206. Applications will be reviewed starting November 1, 2001, and will be accepted until the positions are filled. The University is an AA/EO employer, encourages applications from women and minorities, and provides reasonable accommodations for known disabilities of applicants and employees.

UNIVERSITY OF NOTRE DAME Faculty Positions in Computer Science and Engineering

The Department of Computer Science and Engineering at the University of Notre Dame (<http://www.cse.nd.edu>) invites applications for tenure-track faculty positions. Ranks and areas of research specialty are open. Qualifications include an earned Ph.D. in computer science, computer engineering, or a related field, evidence of the ability to develop and/or sustain an active research program, and a sincere interest in quality teaching at the undergraduate and graduate levels.

Appointments to chaired professorships may be available for exceptionally qualified candidates.

Notre Dame was ranked 19th among doctoral universities by US News and World Report in 2001. The average SAT score for entering students across the University as a whole approaches 1350. Notre Dame's heritage is unique among top-ranked national universities, resulting in a distinctive character of campus life.

Screening of applications will begin on December 1, 2001 and continue until the positions are filled. Applicants should send a cover letter, a curriculum vita, a statement of research interests, a statement of teaching interests, and the names and addresses of at least three references qualified to comment on the applicant's qualifications either to faculty-search@cse.nd.edu, or to

Chair, Faculty Search Committee
Department of Computer Science
and Engineering
384 Fitzpatrick Hall
University of Notre Dame
Notre Dame, IN 46556, USA

THE UNIVERSITY OF ROCHESTER

The University of Rochester, Department of Electrical and Computer Engineering, invites applications for two



FREIE UNIVERSITÄT BOZEN
LIBERA UNIVERSITÀ DI BOLZANO
FREE UNIVERSITY OF BOZEN - BOLZANO

Free University of Bozen/Bolzano Faculty Positions in Computer Science

The Free University of Bozen/Bolzano (Italy) has opened a new faculty of computer science and invites applications for professorship positions in Computer Science beginning in September 2002. These positions are equivalent to full or associate professorships (depending on the qualifications of the candidate). For Italian candidates, a "trasferimento" procedure is possible.

The Free University of Bozen/Bolzano has started a curriculum in computer science. The teaching language is English. The university wants to put a strong emphasis on applied research in Computer Science and strengthen the co-operation with local, national and international companies and institutions.

Candidates should have a strong research background and a commitment to teaching excellence. Candidates are expected to teach both introductory and advanced courses in Computer Science. Management skills and a strong record of project funding from companies and other organisations are desirable.

All areas of computer science will be considered. Particular preference will be given to candidates pursuing research in software engineering, database/information systems, distributed systems and networks, intelligent systems, multimedia and user interfaces.

Salaries and support (including teaching and research assistants) are negotiable and highly competitive.

The Free University of Bozen/Bolzano was founded on 31st October 1997 as a free, state-recognised university. As a central-European, internationally-oriented educational establishment it acts as an important bridge between the German and Italian cultural and economic spheres. Most of the teaching staff have an international professional background. The university already offers various degrees in economics and business studies as well as in education. With its almost 100,000 German-speaking and Italian-speaking inhabitants, Bozen/Bolzano, as the capital of the province of South Tyrol/Alto Adige, is a multilingual business centre located in a beautiful setting in the Dolomite Alps area.

Qualified applicants should send a cover letter, a curriculum vitae including a list of publications, copies of 5 representative publications, teaching and project records, as well as 3 references to the address below before March 31st, 2002 (late applications will be considered until the positions are filled):

Free University of Bozen/Bolzano
Mustergasse 4 – Postfach 276
39100 Bozen
ITALY

Enquiries and questions should be directed to Dr. Johann Gamper, phone: +39-0471-315630, email: jgamper@unibz.it, WWW: <http://www.unibz.it>.

tenure-track positions. The department seeks individuals who can assume leadership roles in expanding its current research programs. The first position is in the area of computer engineering. Topics of interest include, but are not limited to: high performance processor architecture, memory hierarchy design, multimedia processing, and networking. The appointment is expected to be made at the junior level, but exceptional senior candidates will be considered. The second position, at the assistant professor level, is in the area of VLSI signal processing. Topics of interest include, but are not limited to: imaging architectures, network security, RF circuits for wireless systems, and mixed-signal SoC. We offer competitive salaries, excellent start-up packages, and flexible starting dates. The U of R, a private research university with superb laboratories, research centers, and facilities, is at the heart of a high tech region that provides a high quality of life. The ECE Department maintains a collegial atmosphere, has strongly funded research programs and an excellent student body, encourages collaborations

within and outside the department, and offers exceptional growth opportunities. Send a CV, selected reprints/preprints, a brief research and teaching plan, and a list of references to: **Philippe Fauchet, Chair, Department of Electrical and Computer Engineering, University of Rochester, RC Box 270231, Rochester, NY 14627-0231.** The U of R is an Equal Opportunity Employer.

**UNIVERSITY of PENNSYLVANIA
Department of Computer and
Information Science
LECTURER POSITIONS**

The University of Pennsylvania invites applicants for the position of Lecturer in Computer Science to start July 1, 2002. Lecturer duties include undergraduate and graduate level teaching. The position is for one year and is renewable annually up to three years.

Successful applicants will find Penn to be a stimulating environment conducive to professional growth. Construction is under way on our new \$21 Million

Computer Science Building. Beginning Fall 2001, the Department of Computer and Information Science will institute the Master of Computer and Information Technology (MCIT). The MCIT is designed for candidates who have a strong academic background in areas other than computer science but who have a need for graduate education in computer science or a closely related discipline. Completion of the MCIT program will give the graduate a solid foundation in computer science, providing the advanced expertise needed to meet the demands of the rapidly growing field of information technology. MCIT graduates will be ready to enter the IT workforce, or will find new opportunities in continuing their education. The MCIT program will also prepare students for further graduate education in computer science.

The University of Pennsylvania is an Ivy League University located near the center of Philadelphia – the 5th largest city in the US. Within walking distance of each other are its Schools of Arts and Sciences, Engineering, Medicine, Nursing, Law, Business and Fine Arts. The University campus and its surroundings in Philadelphia benefit from a rich diversity of cultural opportunities as well as attractive urban and suburban residential neighborhoods.

To apply, please complete the form located on the Faculty Recruitment Web Site at:

http://www.cis.upenn.edu/positions/faculty_application.html

Electronic applications are strongly preferred, but hard-copy applications (including the names of at least four references) may alternatively be sent to:

Chair, Lecturer Search Committee
Department of Computer and
Information Science
School of Engineering and
Applied Science
University of Pennsylvania
Philadelphia, PA 19104-6389

Applications should be received by **March 1, 2002** to be assured full consideration. Applications will be accepted until positions are filled. Questions can be addressed to faculty-search@central.cis.upenn.edu.

The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. The Penn CIS Faculty is sensitive to "two-body problems" and would be pleased to assist with opportunities in the Philadelphia region.

**STATE UNIVERSITY OF NEW YORK
AT BINGHAMTON
Department of Computer Science
The Thomas J. Watson School of
Engineering and Applied Science
<http://www.cs.binghamton.edu>**

Applications are invited for three tenure-track positions at the Assistant/Associate Professor level beginning in August 2002. Salary and startup packages are competitive. We are especially interested in candidates with specializa-



**THE CHINESE UNIVERSITY OF
HONG KONG**

Applications are invited for:-

**Department of Computer Science and Engineering
Assistant Professors / Associate Professors / Professors**
(Ref. 01/127(363)/2)

Applicants should have (a) a PhD degree in related areas; (b) strong commitment to excellent research and teaching; and (c) outstanding research accomplishments or potential. Those with experience in the following areas are particularly welcome: computer security; Internet and multimedia; VLSI and embedded systems; software technology; software engineering; database; operating systems and networking. The principal medium of instruction is English. Appointments will initially be made on fixed-term contract basis for up to three years from August 2002, renewable subject to mutual agreement. Visiting appointments will also be considered. A profile of the Department can be found at <http://www.cse.cuhk.edu.hk>.

Annual Salary and Fringe Benefits

Assistant Professor / Associate Professor: ranging from HK\$581,940 to 894,660
Professor: not less than HK\$933,300
(approx. exchange rate in December 2001: US\$1 = HK\$7.78; £1 = HK\$11.13; CAD\$1 = HK\$5.00)
Starting salary and level of appointment will be commensurate with qualifications and experience.

Benefits include leave with full pay, medical/dental care and hospitalization benefits as appropriate; and where applicable housing benefit for eligible appointee (subject to the rules for the prevention of double housing benefits); plus a contract-end gratuity and University contribution to retirement scheme (totalling up to 15% of basic salary).

Further information about the University and the general terms of service for teaching appointees is available on our homepage <http://www.cuhk.edu.hk>.

Application Procedure

Please send full resume, copies of academic credentials, a publication list and/or abstracts of selected published papers, a brief research plan, together with names and addresses (fax numbers/e-mail addresses as well, if available) of at least three referees to whom applicants' consent has been given for their providing references if and when requested by the University (unless otherwise specified), to Professor K.S. Leung, Chairman, Department of Computer Science and Engineering, Ho Sin-Hang Engineering Building, The Chinese University of Hong Kong, Shatin, N.T., Hong Kong [fax: (852)2603 5302; e-mail: recruit@cse.cuhk.edu.hk]. The Personal Information Collection Statement will be provided upon request. Please quote the reference number and mark 'Application - Confidential' on cover. Applications will be accepted until the positions are filled.

tion in Software Engineering, Programming Languages, Compilers, VLSI Systems, Web Engineering, Data Mining and Information Security. Strong candidates in other areas will also be considered. Applicants must have a Ph.D. in Computer Science or a closely related discipline by the time of appointment. Strong evidence of research capabilities and commitment to teaching are essential. We offer a significantly reduced teaching load for junior tenure track faculty for at least the first three years.

Binghamton is one of the four Ph.D. granting University Centers within the SUNY system and is nationally recognized for its academic excellence. The Department has well-established Ph.D. and M.S. programs, an accredited B.S. program and is on a successful and aggressive recruitment plan. The department currently has 510 undergraduates, 105 M.S. and 25 Ph.D. students. Local high technology companies such as IBM, Lockheed-Martin, BAE and Universal Instruments provide opportunities for collaboration. Binghamton borders the scenic Finger Lakes region of New York.

Send a resume and the names of three references to Professor Kanad Ghose, Department of Computer Science, State University of New York at Binghamton, P.O. Box 6000, Binghamton, New York 13902-6000. Applications received by February 15, 2002 will receive first consideration.

Binghamton University is an equal opportunity/affirmative action employer.

**TRINITY WESTERN UNIVERSITY
Department of Mathematical
Sciences**

The Trinity Western University has at least two tenure-track and/or term positions beginning August 2001 at Sessional, Assistant Professor or higher ranks in Computing Science and/or Information Systems and/or Mathematics. The successful applicant(s) will teach both lower level and upper level courses in at least two of these three areas.

Teaching experience and strong academic and personal references are required. Preference will be given to expertise in one or more of: pure or discrete mathematics, information systems, operating systems, software engineering, machine language, or robotics. However, versatility is more important than specialty. Integrative, cross-discipline, multi-language, multi-vendor, multi-platform generalists are preferred. Candidates should have teaching and/or industrial experience with some of: Modula-2, Ada, Smalltalk and C/C++/Java, machine language, robotics, operating systems, and/or standard application suites, and/or pure mathematics.

Minimum academic qualification: For tenure track, a Ph.D. (or equivalent) in



**UNIVERSITY OF TORONTO
THE EDWARD S. ROGERS SR. DEPARTMENT OF
ELECTRICAL AND COMPUTER ENGINEERING**

The ECE Department at the University of Toronto is undergoing a major expansion and is inviting applications for faculty positions as described below.

Endowed Chair in Software

This is a senior position for a person expected to have a major impact in a first-class academic environment for research and teaching in software systems. The Chair is open to all areas of research in software, such as systems software, software engineering, databases, and distributed systems.

Tenure-Track Faculty Positions

Several tenure-track positions are available in all areas of computer engineering, including architecture, systems software, distributed systems, embedded systems, VLSI systems, graphics, and multimedia. The positions are at the Assistant Professor level, but exceptional candidates at the Associate or Full Professor level will also be considered.

The ECE Department consistently ranks among the top 10 ECE departments in North America. It attracts outstanding students, has excellent research and teaching facilities, and is ideally located in the middle of a vibrant cosmopolitan city. Additional information can be found on our web page: <http://www.ece.toronto.edu>.

A Ph.D. degree is required, normally in electrical engineering, computer engineering, or computer science. Applicants should send a curriculum vitae, a statement of teaching and research interests, and a list of at least three references to Professor Safwat G. Zaky, Chair, Dept. of Electrical and Computer Engineering; University of Toronto; 10 King's College Road; Toronto, Ontario M5S 3G4; Canada. The search will continue until the positions are filled.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, women, Aboriginal persons, persons with disabilities, members of sexual minority groups, and others who may contribute to the further diversification of ideas.



**McMaster University
Canada Research Chairs**

The Department of Electrical and Computer Engineering at McMaster University invites applications for the very prestigious appointment of a Canada Research Chair (CRC) in the broad area of Information Technology (IT). McMaster University has identified IT as an area of strategic priority. The CRC Program has been established with the objective of enabling Canadian universities to foster research excellence by attracting the best researchers from both within and outside Canada. Further details on the CRC Program can be viewed at <http://www.chairs.gc.ca/english/about/factsheet/index.html>.

McMaster University has an outstanding research environment. The Electrical and Computer Engineering Department has strong ties with government and industrial research laboratories throughout the world and is well positioned to take advantage of many new research opportunities in all areas of Information Technology.

The Electrical and Computer Engineering Department is rapidly building a strong, vibrant and dynamic team in all areas of Information Technology. We are looking for leaders who will be a vital part of the future growth and development of our Information Technology Institute. We see this as a significant opportunity for a first class individual to develop internationally renowned research programmes in the IT area.

Applications will be accepted for the junior (Tier II) level of the CRC Program. Qualified candidates will have an outstanding track record in research and teaching or substantial industrial research experience. A strong commitment to research excellence, developing research partnerships, and the ability to establish a dynamic and world class research program in their fields of expertise, and strong communication skills are all essential.

McMaster University is committed to employment equity and encourages applications from all qualified candidates, including aboriginal peoples, persons with disabilities, members of visible minorities and women. All qualified candidates are encouraged to apply; however, Canadians and Permanent Residents will be given priority.

Further information on the department is available from <http://www.ece.mcmaster.ca>

Applications complete with a curriculum vitae and the names of three references should be sent to:

Dr. T. Luo, Chair
Department of Electrical and Computer
Engineering
McMaster University
1280 Main Street West
Hamilton, Ontario, Canada L8S 4L7
Telephone: 905-525-9140, ext. 23315
Fax: 905-523-4407
email: ferracu@mcmaster.ca

Mathematics and/or Computing Science and a credible research program; for sessional or term positions, a M.Sc. in Informatics, ISYS, or MACS may be considered. Junior faculty applications are welcome, as are master teachers/senior faculty. We will also consider proposals for visiting and sessional positions. The successful applicant will be fluent in English and a self-starter capable of taking leadership in developing courses and programmes, making significant contributions to the University.

Our department <http://www.csc.twu.ca/> has three microcomputer labs for departmental and service courses using MacOS, NT, and Linux. Faculty interests include: standards, languages, software engineering, data structures, numerical methods, and object oriented programming. Initial instruction is in Modula-2, then C++/Java, and afterwards varies with course needs. We offer degrees in Mathematics, MACS, and Computing Science, and have a growing Minor in Information Systems.

Trinity Western University <http://www.twu.ca/> is a 3000 student Christian liberal arts university, located in the lower mainland of British Columbia, Canada and is affiliated with the Evangelical Free Church. It is fully accredited and a member of the AUCC. Candidates must fully supportive of the University's principles and goals and either have Canadian citizenship or be able to obtain landed immigrant status.

For a position solely in mathematics, this ad is directed only to Canadian citizens and landed immigrants, and for all positions, preference is given to Canadian citizens. We wish to consider candidates and finalize these positions in March 2002, but applications will be accepted at any time. The starting date is August 15, 2002 for all positions.

Address initial enquiries ASAP to:

Rick Sutcliffe

Director of Academic Computing
mailto:rsutc@twu.ca

and applications to

Dr. John VanDyke

Dean, Faculty of Natural and
Applied Sciences

Trinity Western University
7600 Glover Rd

Langley, BC Canada V2Y 1Y1

**VANDERBILT UNIVERSITY
Department of Electrical
Engineering and Computer Science
Nashville, TN**

The Department of Electrical Engineering and Computer Science invites applications for faculty positions in the areas of computer science and computer engineering. We are interested in candidates at the Assistant Professor and senior levels. Applicants in all areas are encouraged to apply and will be considered; however, preference will be given to candidates in the areas of embedded and hybrid systems, computer networks, and computer databases. Applicants should have a doctorate or

equivalent degree in computer science, computer engineering, or a closely related discipline. Candidates are expected to develop a strong research program and maintain excellence in teaching.

The EECs department currently has 31 faculty members with a broad range of research interests and sponsored research activity totaling \$8.5M. The department enrolls approximately 400 undergraduate students in three accredited programs: computer engineering, computer science, and electrical engineering. The department currently enrolls about 200 graduate students. In addition, two research centers associated with the department, the Institute for Software Integrated Systems (ISIS), and the Center for Intelligent Systems (CIS), encourage and provide ample opportunities for innovative interdisciplinary research. Vanderbilt University is a founding institute for the Internet2 project. For more information about the department and the school, please visit our website at <http://eec.vanderbilt.edu>.

Applicants should send a curriculum vitae, copies of representative publications, and the names, addresses (postal and e-mail), and telephone numbers of three or more references. In addition, each applicant should submit statements describing research and teaching goals. The application package should be mailed to the Faculty Search Committee, Department of Electrical Engineering and Computer Science, Box 1679 Sta B, Vanderbilt University, Nashville, TN, 37235-1679. Electronic submissions and inquiries may be made to eec-search@vuse.vanderbilt.edu. Applications will be processed as they are received, and continue to be considered until all positions are filled. Vanderbilt University is an Equal Opportunity Employer.

SEATTLE PACIFIC UNIVERSITY

The Department of Computer Science at Seattle Pacific University invites applications and nominations for a tenure-track opening at the Assistant or Associate Professor level. Candidates in all areas of Computer Science are encouraged to apply. Current faculty interests include system software, software engineering, algorithms, and computer architecture.

Applicants should have a Ph.D. in Computer Science or closely related field and be committed to undergraduate instruction.

The department has 4 full-time faculty members and about 140 undergraduate majors. The department also participates in a Computer Engineering program.

Seattle Pacific University serves more than 3400 undergraduate and graduate students in both liberal arts and professional studies. The university's mission is strongly informed by the Christian faith with a Wesleyan heritage; its faculty and students represent a broad range of religious traditions. Seattle Pacific University has a strong commitment to nurturing a culturally diverse faculty and student

body.

Preference will be given to candidates applying before February 14, 2002 although the position will remain open until filled.

Please send a detailed CV and a list of references to:

Faculty Search Committee
Department of Computer Science
Seattle Pacific University
Seattle, Washington 98119
email: cssearch@spu.edu

**AUBURN UNIVERSITY
Department of Computer Science
and Software Engineering
Assistant, Associate, and
Full Professor**

The Department of Computer Science and Software Engineering (CSSE) invites applications for a tenure-track faculty position at the Assistant, Associate, or Full Professor level to begin fall semester 2002. Salary will be commensurate with the candidate's qualifications. Women and ethnic minorities are encouraged to apply.

Responsibilities include research, graduate student supervision, and graduate and undergraduate teaching. In addition, successful applicants will be expected to participate in departmental, college, and university service activities.

Applicants should have a Ph.D. in computer science, software engineering, or a closely related field; however, applicants that are ABD may apply if they reasonably expect to complete the terminal degree by January 2003. The following are preferred research areas: computer and communication networks, wireless engineering, information assurance and security, real-time and embedded systems, wearable computing, operating systems, interactive and intelligent systems, database systems, and software engineering; however, all areas of computer science and software engineering will be considered.

CSSE is in the process of forming a center for Innovations in Mobile, Pervasive, and Agile Computing Technologies (IMPACT), which is a joint effort with the Department of Electrical and Computer Engineering. The University will invest over \$1M (estimated) in five years in new positions with an objective of gaining national prominence in the IMPACT research areas.

The CSSE Department currently has 17 full-time faculty members and supports strong undergraduate (B.S., B.Sw.E.) and graduate programs (M.S., M.Sw.E., Ph.D.). Enrollment for Fall 2001 is approximately 600 undergraduate and 100 graduate students. Faculty research areas include software engineering, computer and communication networks, human-computer interaction, wearable computing, artificial intelligence, and database systems. More information about the Department and faculty research interests can be obtained from the Department's home page (<http://www.eng.auburn.edu/csse>).

Auburn University was chartered in 1856, and is the largest university in the state of Alabama, with a student enrollment of over 22,000 and 1,125 faculty. Auburn is located 100 miles southwest of Atlanta and 50 miles northeast of Montgomery, the State Capitol. Auburn offers nearly 150 baccalaureate degree programs in 64 academic departments. The Graduate School provides master's level programs in 130 areas and doctoral programs in 96 fields. The College of Engineering has an enrollment of 3,100 undergraduates and 500 graduate students in eight departments. The picturesque main campus covers 1,875 acres, and includes the entire southwest quadrant of the city of Auburn. The Auburn-Opelika community has a population of about 70,000, an excellent public school system, and has been nationally ranked as one of the "best small towns in America".

Applicants should submit a current curriculum vita, research vision, teaching philosophy and three references to:

James H. Cross II, Professor and Chair
Computer Science and
Software Engineering
107 Dunstan Hall

Auburn University, AL 36849-5347
cross@eng.auburn.edu (with copy to
sheriev@eng.auburn.edu)
334-844-6300 (Voice)
334-844-6329 (Fax)

<http://www.eng.auburn.edu/csse/>

The applicant review process is expected to begin in January 2002 and continue until successful candidates have been identified.

Auburn University is an Affirmative Action/Equal Opportunity Employer.

**UNIVERSITY OF PENNSYLVANIA
School of Engineering and
Applied Science
Research Faculty Position**

The Departments of Computer and Information Science, Electrical Engineering, and Mechanical Engineering and Applied Mechanics invite applicants for a research faculty position at the non-tenured assistant professor level in embedded systems. Those with appropriate experience may be considered at a more senior level. The School is particularly interested in identifying outstanding candidates with expertise in systems support for embedded systems, including but not limited to programming languages, compilers, operating systems, architecture, and system design, with application interests in avionics, networked sensors, MEMS, and robotics.

Candidates should demonstrate an ability to carry out high quality, independently formulated research to obtain research grants essential for support of this position. The School of Engineering and Applied Science has thriving research programs in formal methods, real-time systems, programming languages, robotics, MEMS, networking, and distributed systems, offering many exciting opportunities for research enhancement and col-

laboration.

To apply, please submit an updated CV, statement of research interests, copies of most significant publications, and the names of at least six references to:

Research Faculty Search Committee
School of Engineering and
Applied Science
Dept. of Computer and
Information Science
200 South 33rd Street, 556 Moore Bldg.
Philadelphia, PA 19104-6391
Email: amydeitz@cis.upenn.edu

Applications should be received by March 1, 2002 to be assured full consideration. Applications will be accepted until position is filled.

The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer.

**SAN JOSE STATE UNIVERSITY
Department of Mathematics and
Computer Science**

Two full time tenure track faculty positions in Computer Science available in August 2002 at the rank of Assistant or Associate or Professor. Candidates must have a Ph.D. in Computer Science or closely related field by August 2002. We are accepting applications in all areas but are especially interested in candidates in software engineering related fields. Candidates must be sensitive to the educational goals of a multicultural population, and be committed to quality teaching at all levels.

The person in these positions are expected to teach undergraduate and graduate courses in Computer Science, conduct Master's degree theses and projects, maintain a program of scholarly activity, and be involved in curriculum development and department governance. Candidate must address the needs of a student population of great diversity – in age, cultural background, ethnicity, primary language and academic preparation – through course materials, teaching strategies and advisement. Please send vita, graduate transcripts, and three letters of reference to Dr. David F. Hayes, Chair, MathCS Dept., San Jose, CA 95192-0103. Application deadline is March 1, 2002, applications will be accepted until positions are filled.

EOE/AAF: SJSU is an Equal Opportunity/Affirmative Action Employer.

**THE UNIVERSITY OF TEXAS
AT ARLINGTON
Computer Science and Engineering
Department**

The University of Texas at Arlington (UTA), Computer Science and Engineering (CSE) Department - CSE@UTA invites applications for multiple tenure-track faculty positions at all levels. However, preference will be given to positions at assistant or associate professor levels. All areas of computer science will be considered, including: software engineering; multimedia and video pro-

cessing; bio-informatics; pervasive computing; intelligent systems; networks and telecommunications; database and data mining; and applied theory. UTA, part of The University of Texas System, is located in the heart of the rapidly growing Dallas/Fort Worth area, one of the nation's largest high-technology regions, with a flourishing industrial base and excellent opportunities for industry/university collaboration.

We at CSE@UTA are committed to excellence in research, teaching, and service. Last year we kicked off a "Top 25 Initiative" with the goal of reaching a national top 25 ranking. The initiative is strongly supported by all CSE@UTA stakeholders including the UTA administration, our students and alumni, and our industry partners. The highlights of the Top 25 Initiative include significant increase in tenure track faculty positions and PhD students; significant increase in research funds; and establishment of endowed student fellowships, endowed faculty chairs, and industry-sponsored laboratories.

Applicants must have an earned doctorate in computer science, computer engineering, or closely related fields and a commitment to teaching and scholarly research. Applicants are expected to have an excellent record of professional accomplishments, commensurate with their level of experience. The faculty openings are anticipated for September 2002. Screening of applications will begin immediately and will continue until all positions are filled. Interested persons should send a resume and reference letters to:

Dr. David Kung,
Chair of Search Committee
Department of Computer Science
and Engineering
P.O. Box 19015

For overnight express:
416 Yates St., NH300
Arlington, TX 76019-0015
Phone: 817-272-3605
FAX: 817-272-3070

Email: search@cse.uta.edu.
<http://www.cse.uta.edu>.

The University of Texas at Arlington is an Equal Opportunity/Affirmative Action Employer.

**VISUALIZATION RESEARCH
SCIENTISTS**

The Advanced Computing Group in the Computer and Computational Sciences (CCS) Division is looking for Visualization Research Scientists. Principal duties include research and development of high performance parallel and distributed visualization algorithms and tools, working with users to assist in their visualization needs, and interfacing with other scientists associated with CCS Division. CCS-1 serves as a focal point for Lab research in advanced computing, providing technologically advanced facilities in parallel computation, high-speed networking and scientific visualization. It fosters an environment that encourages

applications-driven, interdisciplinary work in computer science, engineering, applied mathematics, and other sciences; and serves as an interface to the computational science community outside Los Alamos. Ability to obtain a DOE Q clearance which normally requires U.S. citizenship is required. Ph.D. in computer science or equivalent combination of relevant education and experience is required.

To Apply: Submit a comprehensive resume and cover letter that addresses the specific required criteria, referencing "IEEE-016348", via email to jobs@lanl.gov, or via postal service to Los Alamos National Laboratory, Resume Service Center, Mailstop P286, Los Alamos, NM 87545.

Please visit our web site at www.lanl.gov/jobs. Los Alamos National Laboratory is operated by the University of California for the Department of Energy. AA/EEOE.

RUTGERS UNIVERSITY Faculty Positions

Rutgers University's newly launched Division of Computer and Information Sciences has openings for senior and junior positions in the broad area of systems. The Division is especially interested in developing interdisciplinary centers and seeking highly qualified senior individuals to lead them.

We offer very competitive salaries and startup packages and are aggressively growing. We especially encourage women and under-represented minorities to apply. Please submit a curriculum vita including names of at least four professional references to:

Hiring Chair

Department of Computer Science
Rutgers, the State University
110 Frelinghuysen Road
Piscataway, NJ 08854-8019
by March 15, 2002 or send email to hir@cs.rutgers.edu for further information. Rutgers University is an Equal Opportunity/Affirmative Action Employer.

UTAH STATE UNIVERSITY Dept of Computer Science

Applications are invited for faculty positions at the Assistant level, beginning January 2002 or Fall 2002. Applicants must have completed a PhD in computer science or a closely related field by the time of appointment. The positions require a demonstrated potential for computer science research as well as the ability to teach both undergraduate and graduate courses and supervise student research. Strong applicants in all areas of computer science research will be considered. Specialties of particular interest are bioinformatics, software engineering, distributed systems, networking, computer security, or computer graphics.

The department currently has 250 undergraduate majors and 75 MS stu-

dents. The BS degree is CSAB accredited. For Fall 2002 we will begin admitting PhD students. Thus faculty hired into these positions will have a unique opportunity to build a PhD program. Utah State University is a Carnegie I Research Institute and is No. 1 in the nation in the amount of research dollars generated per faculty member. This environment allows a researcher invaluable interaction across a wide variety of active professional fields as well as an administration understanding of researcher needs. Utah State University is situated in a beautiful mountain valley with some of the world's best outdoor recreation opportunities. (www.cs.usu.edu)

Qualified applicants should send a letter of interest, current curriculum vita (statements of research experience and interests, publications, teaching experience, and a copy of their graduate transcript), and the names of three references that the committee may contact, to:

Faculty Search Committee
Dept. of Computer Science
Utah State University,
Logan, UT. 84322-4205

Applications will be reviewed until the positions are filled. Salary will be competitive depending on qualifications. USU is an affirmative action/equal opportunity employer. Women and minority applicants are encouraged to apply.

WAYNE STATE UNIVERSITY Department of Computer Science Faculty Positions

The Department of Computer Science of Wayne State University invites applications for several tenure-track faculty positions at all levels to start in Fall 2002. All areas of computer science will be considered.

Candidates should have a Ph.D. in computer science, computer engineering or a closely related field, a strong interest in and commitment to both research and teaching, a publication record in their area and show potential for obtaining external research funding. Applicants for a senior position should demonstrate a strong record of external funding and significant impact in their field.

Wayne State University, located in Detroit's Cultural Center, is a comprehensive (Carnegie I) urban research university serving 33,000 students. The University has made a strong commitment to information technology and academic computing.

The Department of Computer Science offers B.S., M.S. and Ph.D. degrees. Federal agencies as well as industries support a variety of research programs within the Department. The Department maintains active collaborative relationships with the Institute for Scientific Computing, Institute for Manufacturing Research, Smart Sensor Program, Life Science Corridor initiative and many other centers and departments within the university, which provide research opportunities in computer science.

Applicants should send a letter of

intent, a statement of research and teaching interests, a resume and the names of at least three references including the reference's address, email, telephone and fax number. Please send this information to:

Dr. Farshad Fotouhi, Chair
Faculty Search Committee
Wayne State University
Department of Computer Science
5143 Cass Avenue, Room 431 State Hall
Detroit, MI 48202
1-313-577-3107 (voice)
1-313-577-6868 (fax)
fotouhi@cs.wayne.edu

Applications will be accepted until the positions are filled.

Wayne State University is an equal opportunity/affirmative action employer.

Wayne State University - People working together to provide quality service.

All buildings, structures and vehicles at WSU are smoke-free.

WEBSITE PROS, INC.

Various pos available at website dvlpmt svcs co loc in Jacksonville, FL.

Software Programmer & Programmer-Bach (or equiv) in Comp Sci, Math, Engg (or related field) & 2 yrs exp in job offd or S/ware Dvlpmt (or related field).

Lead Software Engineer-Bach (or equiv) in Comp Sci, Math, Engg (or related field) & have 2 yrs exp in job offd or in S/ware Engg (or related field)

Manager Telecommunication-Bach (or equiv) in Engg (or related field) & 2 yrs exp in job offd or in S/ware Engg (or related field)

All positions except Manager Telecomm require experience working with SiteArchitect.

Send resumes to Kevin Carney, c/o Website Pros, Inc. 12735 Gran Bay Pkwy W., Bldg 200, Jacksonville, FL 32258.

THE UNIVERSITY OF FREIBURG

The University of Freiburg is expanding its Faculty of Applied Science (Computer Science and Microsystem Technology) with a professorship at the level of an associate professor (C3). We are looking for a

Professor (C3) in Computer Science in the area of "Operating Systems", in particular with expertise in embedded systems or hardware/software-codesign.

The University of Freiburg seeks to increase the representation of women in science and hence explicitly encourages applications from qualified female candidates.

According to § 67 of University Law, should this be a first appointment as professor for the successful candidate, the contract will be on a fixed term basis with option for tenure.

Application (with CV, copies of advanced degrees, and statement of which position the candidate is applying for) should be sent by March 15th, 2002 to Dekan der Fakultät für Angewandte Wissenschaften, Albert-Ludwigs-

Universität Freiburg, Georges-Köhler-Allee 101, D-79110 Freiburg.

**ARIZONA STATE UNIVERSITY
Tenured Faculty Position in
Signal Processing and
Programming for Arts/Media**

Arizona State University has an opportunity for a leadership role spanning Engineering and Fine Arts. This is a tenured, academic year position and is a joint appointment between the College of Engineering and Applied Sciences (CEAS) and the Herberger College of Fine Arts (HCFA). The tenured home will be a unit in one of these Colleges depending on the qualifications and background of the successful candidate.

Arizona State University, a Research One Institution, is the fourth largest US University with approximately 34,000 undergraduate and 10,000 graduate students. The CEAS at ASU (ceas@asu.edu) is established among the leading engineering graduate schools in the country with research expenditures in excess of \$30M. The successful candidate will benefit from active research programs such as the Center for Ubiquitous Computing and the Telecommunications Research Center. The Partnership for Research in Stereo Modeling (PRISM) and the Arts Technology Development Studio (TDS) already serve as a bridge between CEAS and HCFA research activities. The HCFA at ASU (herbergercollege@asu.edu) is one of the nation's leading places for the study, practice and development of the arts. The College's academic programs, housed in the Schools of Art and Music and the Departments of Dance and Theatre, are complemented by two distinguished specialized units -- the ASU Art Museum and the Institute for Studies in the Arts (ISA). The internationally known ISA, is the interdisciplinary digital arts unit of the College and will be the home-unit of the appointee within the HCFA. Within the CEAS the home-unit of the appointee is one of the Departments of Electrical Engineering or Computer Science and Engineering.

The appointee will have the opportunity to forge important links between these two distinguished Colleges that will result in the development of groundbreaking tools and practices in Digital Arts and Digital Media. This includes developing and delivering of appropriate curricula, interdisciplinary research and community outreach activities. The instructional and research facilities of both Colleges will be available to the successful candidate. The appointee will also have the opportunity to reach students throughout the University through signal processing and programming courses for non-science majors initiated by the Information Technology Across the Curriculum (ITATC) program of the State of Arizona. In their leadership role the appointee will serve to represent this unique arts-technology synergy across campus, within the state and nationally.

For more information about this posi-

tion please write to spp_arts_search@asu.edu. Please send a letter of interest, CV, representative publications or other multi-media material and names/contact information for three references to Professor W. T. Trotter, Chair of SPP-Arts Search Committee, Vice Provost and Regents' Professor, Office of the Provost, Arizona State University, PO Box 872803, Tempe, Arizona 85287. Applications received by February 15, 2002 will receive full consideration. Thereafter, applications will be reviewed monthly until the position is filled. The anticipated start date is August 16th 2002.

Minimum qualifications: doctorate degree in related field; record of teaching and research excellence appropriate to rank. Desired Qualifications: Interdisciplinary experience in teaching and research spanning Engineering and Fine Arts, demonstrated leadership skills, evidence of funded research spanning the sciences and the arts, demonstrated communication skills. ASU is an Equal Opportunity/Affirmative Action Employer.

MERCER UNIVERSITY

Computer Engineering/Electrical Engineering Faculty Position, Mercer University, Macon, Georgia - The Mercer University Department of Electrical and Computer Engineering is seeking qualified candidates for a full-time, tenure-track faculty position at the assistant or associate professor level in computer engineering starting in August of 2002. Electrical engineering faculty who can support the computer engineering specialization in some area(s) are also of interest. Applicants must possess a Ph.D. in engineering or appropriate computer field. Individuals with a strong background in software engineering or computer networks with additional capabilities in embedded systems and other computer engineering areas are strongly encouraged to apply. The ECE Department has both electrical engineering and computer engineering specialization at the Bachelor's and Master's levels. In addition, there is a graduate Software Engineering program in the department. Applicants with strong teaching interests and capabilities are sought. In addition to the focus areas mentioned above, ability to teach a range of courses in computer engineering, software engineering, electrical engineering, and introductory engineering will be of value. The Mercer University School of Engineering offers a Bachelor of Science degree with specializations in electrical, computer, biomedical, mechanical, industrial and environmental engineering. The engineering faculty encourages development of outstanding classroom instruction, technical currency and strong scholarship. Mercer is a Baptist-affiliated, private and comprehensive university and includes the Mercer Engineering Research Center. Interested and qualified individuals desiring to join the school's dedicated faculty should submit a letter of applications, curriculum vitae, references and state-

ment of teaching philosophy and career interests to: Dr. Aaron S. Collins, Mercer University School of Engineering, 1400 Coleman Avenue, Macon, Georgia 31207 (collins_as@Mercer.Edu) Visit our website at <http://www.mercer.edu/engineering/>. Women and minority candidates are especially encouraged to apply. Mercer University is an equal opportunity, affirmative action employer.

**IS CONSULTANT
(Multiple Positions/Eagan)**

Perform problem & requirements analysis, solution design, solution programming, unit testing & documentation of mission critical application solutions using object oriented techniques. Work performed using C & C++ programming of graphical user interfaces on MS Windows and/or IBM OS/2 operating systems. Work also involves Java programming & TCP/IP. Principally responsible for developing advanced graphical user interfaces and application Kiosk systems. Reqs. Bachelors or Masters Deg in Comp Sci, Math or closely related field. Must have demonstrated ability to develop advanced GUI applications using C/C++ and Java for cross platform use, Windows 32 bit & Unix. Must have bkgd in object oriented design techniques, exp in Java programming & exp using PC communication methods (PC/IP). 40 hrs/wk 8-5. Salary commensurate w/exp. Send resume to IEEE Computer Society, 10662 Los Vaqueros Circle, Box COM12, Los Alamitos, CA 90720.

**RENSELAER POLYTECHNIC
INSTITUTE**

The Department of Computer Science at Rensselaer Polytechnic Institute invites applications for expected tenure-track positions at the Assistant Professor level in networking, data mining, data visualization, and scientific computation and modeling, and at the full Professor level in imaging and visualization, starting in the fall of 2002. Additionally, strong candidates in all areas of computer science will be considered. Applicants should hold a PhD in Computer Science or a closely allied field, have substantial research accomplishments, and demonstrate a strong commitment to teaching. Applicants should submit a vita with a list of publications, a statement describing current and planned research, and a statement describing teaching philosophy to the New Staff Committee, Department of Computer Science, Rensselaer Polytechnic Institute, Troy, NY 12180-3590. Candidates should also arrange to have at least three letters of recommendation sent to the same address.

Rensselaer, under the leadership of its new president, plans to double its research program in the next five years. Major research initiatives in information technology and biotechnology are integral components of this plan. The

Department of Computer Science faculty are strongly encouraged to participate in collaborative research at the forefront of both these initiatives. The Department, currently consisting of 22 full-time faculty members, offers BS, MS and PhD degrees, and has multi-million dollar research programs with excellent computing facilities. It has hired 9 junior faculty over the past 4 years, 5 of whom have won NSF Career Awards. Substantial growth over the next several years is anticipated.

Rensselaer Polytechnic Institute is an Affirmative Action/Equal Opportunity Employer.

**UNIVERSITY OF COLORADO
AT BOULDER**
Department of Computer Science
Tenure Track Positions

The Department of Computer Science of the University of Colorado at Boulder is seeking applications for tenure track faculty positions. While we normally hire at the Assistant Professor level, we will consider outstanding candidates at all levels.

The Department has 42 faculty (including five new members who have joined this year), 194 graduate students, and 580 undergraduates. It has strong research programs in human computer interaction, machine learning, numerical and parallel computation, software and systems, speech and language processing, and theoretical computer science.

The Department has received four successive five-year NSF CER and RI awards to support its computing infrastructure and collaborative research among its faculty, most recently for the period 2000-2005. Current research expenditures are \$3.1M annually. The faculty is also proud of its record in offering an outstanding educational experience to our students. We are seeking new colleagues who share our commitment to the ideals of the research university as a uniquely valuable institution in our society, combining the creation of new knowledge with the shaping of future leaders.

Our location in Boulder offers a pleasant college town ambiance, easy access to the great outdoors, and participation in a vibrant high tech industry community. A recent study by a major telecommunications startup identified Boulder County as the most attractive setting nationally to which to recruit staff. Our alumni are playing important roles in creating the next generation of technology and technology companies here and elsewhere.

We are interested in outstanding candidates in all areas of Computer Science. We are participating in research and educational initiatives in cognitive assistive technology, computational science and engineering, and infrastructure protection, and candidates who can contribute to these will be of special interest. Technical areas involved in these initiatives include distributed systems, power-aware computing, mobile and wireless

systems, collaboration technology, machine learning and data mining, visualization, software engineering, software architecture, collaborative information spaces, data management for large computations, parallel systems and architectures, theoretical aspects of systems, and language technology.

More information about the Department and its programs can be found on our website at <http://www.cs.colorado.edu>.

Review of applications will begin immediately, and continue as long as positions are open. We expect to have positions in future years as well as for appointments beginning in academic year 2002-2003, and we welcome inquiries about these future opportunities.

Because we have more than one position available, we would be glad to receive inquiries from research collaborators interested in joining our faculty together. We also welcome applications from academic couples wishing to collocate.

Applicants should send a current curriculum vitae, the names of four references, and one-page statements of research and teaching interests to Professor Clayton Lewis, Search Committee Chair, Department of Computer Science, 430 UCB, University of Colorado, Boulder, CO 80309-0430. Email inquiries may be addressed to Jane.Obrecht@Colorado.EDU.

The University of Colorado at Boulder is committed to diversity and equality in education and employment.

**MASSACHUSETTS INSTITUTE OF
TECHNOLOGY**
**Department of Electrical
Engineering & Computer Science**
**and Division of Bioengineering &
Environmental Health**
**Faculty Position in
Computational Biology**

The MIT School of Engineering is continuing to build leadership teaching and research programs in computational biology across a broad range of important new areas. Accordingly, the Division of Bioengineering & Environmental Health [BEH] and the Department of Electrical Engineering & Computer Science [EECS] seek to jointly hire an outstanding faculty member. We seek excellence in research accomplishment and potential, and are particularly interested in computational approaches to addressing biological problems in the emerging 'post-genomic' era for molecular network information from the gene and protein level to the physiologic level. The successful candidate should demonstrate evidence of leadership potential in research and teaching, combining expertise in both biology and computer science. Teaching efforts will be shared between BEH and EECS, and research opportunities will be available across a wide spectrum of MIT interdisciplinary centers and laboratories.

Applicants should submit a curriculum

vitae and research/teaching summary, along with suggested references, to

Professor D.A. Lauffenburger,
Co-Director

Division of Bioengineering &
Environmental Health
MIT-77 Massachusetts Avenue
Building 56 Room 341
Cambridge, MA 02139.

Review of applications will begin in January 2002.

MIT is an Equal Opportunity/Affirmative Action Employer.

**NEW JERSEY INSTITUTE OF
TECHNOLOGY**
Faculty Position
**Dept. of Electrical & Computer
Engineering**

The Dept. of Electrical & Computer Engineering at New Jersey Institute of Technology invites applications and/or nominations for an Assistant/Associate Professor. All areas of Computer Engineering will be considered but preferred areas include computer networking, computer aided design of VLSI chips, computer architecture, FPGA & reconfigurable systems. The individual sought will have the capability to add depth & experience to further strengthen the department's reputation at the national level. The Full Professor level position requires an outstanding record of publications in recognized peer-reviewed journals, excellent teaching skills & externally funded research grants & awards. The Assistant/Associate Professor level position requires a good research publication record in peer-reviewed journals & conferences, promising communication skills for effective teaching & potential for establishing an outstanding research program at NJIT. Teaching responsibilities include both undergraduate & graduate level courses. Earned doctorate in electrical engineering, computer engineering or computer science required. Rank & salary will depend on experience.

The Dept. of Electrical & Computer Engineering has 40 F.T. faculty, about 1,750 students & a growing enrollment. The ECE dept. is the largest at NJIT's Newark College of Engineering & in the NJ/NY metro area. NJIT, a public technological research university, has over 8,800 students pursuing baccalaureate through doctoral degrees & is a networked, computing-intensive campus. Research areas in the ECE dept. include communications & signal processing, computer networking, computer architecture & digital systems, VLSI, solid state & electro-optics systems, intelligent systems, microwave & light-wave engineering, power systems, solid state circuits & devices. The dept. has excellent research environment with a research expenditure of \$6 million per year & 6 multidisciplinary research centers: NJ Center for Wireless Telecommunications, NJ Center for Multimedia Research, NJ Center for Wireless Networking & Internet Security, Center for Communications & Signal Processing Research, Electronics Imaging

Center & the Microelectronics Research Center w/class 10 clean rooms.

The university reserves the right to substitute equivalent education and/or experience at its discretion. NJIT is an equal opportunity, affirmative action, equal access employer & especially encourages applications from minorities, women & persons with disabilities. Send CV, statement of teaching & research interests with a list of at least 3 references to: **New Jersey Institute of Technology, Personnel Box ECE-AAAP, University Heights, Newark, NJ 07102-1982.**

SIMON FRASER UNIVERSITY

Applications are invited for several tenure-track positions at the Assistant Professor level. A Ph.D. in Computing Science or equivalent is required, with a strong commitment to excellence in research and teaching. While outstanding candidates in all areas will be considered, subject to budgetary authorization, preference will be given to candidates in a systems area, such as software engineering, graphics, multimedia systems, database systems, distributed systems, networking or human computer interaction. Responsibilities include research as well as teaching at the graduate and undergraduate levels. Excellent support will be provided to the successful applicants for establishing their research programs.

The School of Computing Science has 40 faculty members, and offers expanding graduate and undergraduate programs with over 120 M.Sc. and Ph.D. students, and 700 Majors and Honors. The School has state-of-the-art computer equipment with excellent network support. As well, the School has strong links with the university's Centre for Systems Science, the B.C. Advanced Systems Institute, the New Media Innovation Centre, and local industries.

A public university funded by the Province of British Columbia, Simon Fraser University serves about 18,000 students. The university is situated on top of Burnaby Mountain just east of Vancouver and commands magnificent views of Burrard Inlet, the North Shore Mountains, the Fraser River, and Vancouver harbour. The Lower Mainland area of British Columbia is unique in Canada, the mild climate and the extraordinary setting of mountains and ocean afford a wide range of recreational opportunities. Boating, sea kayaking, skiing, hiking, rock-climbing, and birding can all be done just a short drive from the city.

In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada. Simon Fraser University is committed to the principle of equity in employment and offers equal employment opportunities to qualified applicants. Applications will be accepted until the positions are filled. For updated information see www.cs.sfu.ca

To apply, send a curriculum vitae, evidence of research productivity (including

selected reprints), and the names, addresses and phone numbers of three referees to:

Dr. Ze-Nian Li, Director
School of Computing Science
Simon Fraser University
Burnaby, British Columbia,
Canada, V5A 1S6
email: faculty-search@cs.sfu.ca

NORTHERN ARIZONA UNIVERSITY

The Department of Computer Science and Engineering at Northern Arizona University invites applications for one tenure-track faculty position at the assistant professor rank beginning August 2002. Applicants should possess an earned doctorate in computer science or related field, and be able to teach software courses. Candidates specializing in computer networks or software engineering will be given preference, but other specialties are also strongly encouraged to apply.

Please submit a letter of interest and vita to: Dr. Eck Doerry, CSE Search Committee Chair, College of Engineering and Technology, PO Box 15600, Flagstaff, AZ 86011-5600. Screening will begin 2/15/2002. NAU is an Equal Opportunity, Affirmative Action employer. We are committed to a diverse faculty and seek individuals with commitment to both teaching and working in diverse communities. Minorities, women, persons with disabilities and veterans are strongly encouraged to apply. See <http://www.cet.nau.edu/> for more information.

CHALMERS UNIVERSITY OF TECHNOLOGY AND GÖTEBORG UNIVERSITY School of Computer Science and Engineering

Chalmers University of Technology and Göteborg University are strengthening and reorganizing the Computer Science and Computer Engineering areas and forming a new School of Computer Science and Engineering. The new School will have a faculty of approximately 55 persons and 75 PhD students. We will teach more than 100 courses and have more than 150 master theses each year. Our courses range from first year to graduate level.

The new School also plays an important role in the establishment of a new IT-university. This effort aims at consolidating all IT-related research and education in the two universities and interacting with a multitude of companies in e.g. telecom and vehicle industry in the region.

For this stimulating environment we want to strengthen our research and teaching in the area of Software Engineering. Therefore we welcome applications for a Professorship in Software Engineering.

The professorship covers methods and techniques for the development of soft-

ware systems on a large scale.

Examples of important areas are:

- Software design
- Software development tools and environments
- Software development processes
- Software requirements and specification
- Software validation
- Software evolution
- Software project management

Enquires can be made to Dean of the School for Computer Science and Engineering, professor Jan Smith, telephone +46 (0)31 772 1034, email: Smith@cs.chalmers.se or deputy Dean professor Sven Tafvelin, telephone +46 (0)31 772 1706, email: Tafvelin@ce.chalmers.se

Applications should be sent to the Registrar at Chalmers University of Technology, SE-412 96 Göteborg, Sweden. Closing date is 2002-03-15. Reference number 111/2001.

Information on the new School can be found in <http://www.cse.chalmers.se>. Application procedure and complementing information can be found in <http://www.chalmers.se/HyperText/Kompetens/Anvisningar/applicantinformation.pdf>

<http://www.chalmers.se/HyperText/Kompetens/Anvisningar/qualifications.html>

PROGRAMMER ANALYST

2 yrs exp req. Send ad w/resume to: Hawker Pacific Aerospace, 11240 Sherman Way, Sun Valley, CA 91352.

JAMES MADISON UNIVERSITY Department of Computer Science Director, Commonwealth Information Security Center

The Commonwealth Information Security Center (CISC), an applied research and technology transfer center at James Madison University, has received multimillion-dollar funding to advance Virginia's expertise in protecting information and the underlying systems and infrastructure it relies upon. As a result, the Department of Computer Science is seeking applications for Director of the Center.

This is a tenure-track faculty position. Faculty rank and tenure status depend on the record of the successful candidate. Review of applications will begin March 15, 2002 and continue until the position is filled. Successful applicants will have in-depth understanding of information assurance, an established reputation in the area, and the ability to obtain funding. A doctoral degree or the equivalent industrial or governmental experience is required. The candidate needs strong leadership, management, administrative, and communication skills; a substantial research record in computer security or trusted systems; and an ability to deal with government and industry. The ability to obtain a security clearance is preferred but not required.

The CISC (www.cisc.jmu.edu) currently has eighteen persons at three universities involved in its research program and eight government and industry partners. The Director will be expected to enlarge upon this effort and develop an interlocking program of research and technology transfer.

The Computer Science Department has a faculty of 18 plus 5 additional jointly assigned faculty from the Integrated Science and Technology program. The Department currently enrolls approximately 500 undergraduate majors and 130 graduate students (www.cs.jmu.edu). The Department's current distance-education masters program in information security is one of NSA's Centers of Academic Excellence in Information Assurance Education (<http://www.infossec.jmu.edu/>). The University intends to build upon this to formulate a doctoral program in information security. James Madison University is state university and has been consistently rated as one of the top comprehensive universities in the nation (www.jmu.edu). Located in the scenic Shenandoah Valley and providing a high quality of life, the University is convenient to D.C. and Richmond.

Applicants should submit a letter of application; resume; and the names, addresses and phone numbers of three references to: CISC Director Search Committee, Computer Science Department, James Madison University, MSC 4103, Harrisonburg, VA 22807. James Madison University is an Equal Opportunity/Affirmative Action/Equal Access employer and encourages applications from minorities, women, and persons with disability.

SAN JOSE STATE UNIVERSITY

The Department of Mathematics and Computer Science is seeking two full time tenure track faculty for positions in Computer Science commencing in the Fall of 2002; the ranks for these positions are open. Candidates must have a Ph.D. in Computer Science or closely related field by August 2002. Applications in all areas of computer science will be accepted but we are especially interested in candidates in software engineering related fields. Candidates must be sensitive to the educational goals of a multicultural population, and be committed to quality teaching at all levels.

Faculty in these positions are expected to teach undergraduate and graduate courses in Computer Science, conduct Master's degree theses and projects, maintain a program of scholarly activity, and be involved in curriculum development and department governance. Successful candidates must address the needs of a student population of great diversity - in age, cultural background, ethnicity, primary language, and academic preparation - through course materials, teaching strategies and advisement.

Please send vita, graduate transcripts, and three letters of reference to:

Dr. David F. Hayes, Chair,

Department of Mathematics and
Computer Science
One Washington Square
San Jose, CA 95192-0103.

Review of applications will begin March 1, 2002. Applications will be accepted until positions are filled.

SJSU is an Equal Opportunity Affirmative Action Employer.

KANSAS STATE UNIVERSITY

The Department of Electrical and Computer Engineering invites applications for tenure track position in computer engineering for Fall 2002. An earned doctorate is required. Good written and verbal communication skills in English are essential. Candidates should expect to teach undergraduate and graduate courses, advise M.S. and Ph.D. students, conduct research and attract funding in their field of specialization. Preference will be given to applicants in the areas of embedded systems, computer architecture and organization, and computer networking. Faculty are expected to be able to contribute to interdisciplinary activities. A record of publications or demonstrated potential for independent research is necessary. The department has approximately 600 students. Excellent facilities for teaching and research are available. For information about the department and university see: <http://www.eece.ksu.edu/>. Send a letter of application, résumé, e-mail address, and a list of three professional references to David L. Soldan, Head, Department of Electrical and Computer Engineering, 261 Rathbone Hall, Kansas State University, Manhattan, KS 66506-5204. Applications will be reviewed starting February 18, 2002. KSU is an equal opportunity employer and actively seeks diversity among its employees.

UNIVERSITY OF BRIDGEPORT Faculty Positions

The fast-growing departments of Computer Science and Engineering and Electrical Engineering at the University of Bridgeport invite applications for several tenure-track positions at the Assistant/Associate Professor levels. Candidates must have the Ph.D. in computer science, computer engineering, or electrical engineering. A strong interest in teaching undergraduate and graduate courses and excellent research record are required. Applicants are sought in the areas of wireless design, programming languages, distributed computing, systems programming, VLSI and communications, FPGA analysis, solid-state electronics, fiber optics, and speech analysis. There are opportunities to participate in the external engineering programs, which include weekend and evening graduate and continuing education classes, on-site instruction in local industry and distance learning initiatives.

Applicants should send a cover letter, resume and address and e-mail address

of four references to the Faculty Search Committee, School of Engineering, c/o Personnel Administration, University of Bridgeport, 126 Park Avenue, Bridgeport, CT 06601.

e-mail: Department of Computer Science and Engineering:

<http://www.bridgeport.edu/cse>
Department of Electrical Engineering:
<http://www.bridgeport.edu/ee>
AA/EOE

SENIOR NETWORK ENGINEER

Research, design, dev. & test comp. programs using Windows NT 3.51/4.0/2000/ Whistler, Compaq Servers, Cisco Routers, Teutets, Bloomberg, Wireless LANs, Eicon Gateway; Languages include C, C++, VBS, WMI, VISUAL C++, NetIQ, DMA and NetIQ Monitoring Tools for W2K.; Db's incl: MS Access 2.0 & SQL 6.0; Write scripts to automate process using VBS/VB & VC. Req's: BA or equiv. in Comp. Sci. or Comp. Info. Syst. & 4 yrs exp. Send resume to: Infinix Corp., 666 Plainsboro Rd., Ste 1320, Plainsboro, NJ 08536.

CLEVELAND STATE UNIVERSITY

The Department of Electrical and Computer Engineering at Cleveland State University invites applications for a tenured/tenure-track faculty position that will lead the development of the Master of Science in Software Engineering degree program. The appointment will be at the rank of **Associate/Full Professor**, with competitive salary commensurate with experience. Applicants must document relevant prior teaching and research experience in software engineering and the potential for continuing research support. Major local corporations and government agencies, such as Rockwell Automation, Philips, General Electric, Computer Associates, ABB Automation, Keithley Instruments, Nordson, Parker Hannifin, Eaton Corp., NASA Glenn Research Center, and many others, have a very strong need for software engineers and have expressed their desire to support the development of the MSSE program and share their expertise. Minimum qualifications: Ph.D. in Software Engineering, Computer Engineering, Computer Science or related fields with specialization in software engineering; teaching experience; record of publications; and record of funded research. Preferred qualifications: distinguished record of teaching experience in software engineering; distinguished record of publications in a recognized area of software engineering; sustained record of externally funded research; experience in laboratory development; excellent communication skills; relevant industrial experience. A letter of application and current resume, including names, addresses, phone numbers and e-mail addresses of at least three references, should be sent to: **Search Committee, Electrical and Computer Engineering**

Department, Cleveland State University, Cleveland, Ohio 44115-2425, phone (216) 687-2589. For information about CSU visit our home page: www.csuohio.edu Applications will be accepted until the position is filled. Cleveland State University is an equal opportunity, affirmative action employer. Women, persons with disabilities and members of minority groups are encouraged to apply.

WEB DEVELOPER

Overland Park, Kansas international software development and consulting company is looking for a Web Developer. Responsibilities include developing website software code as directed. Qualified candidates must have B.S. in Computer Science or related field with 1 yr development exp. Req strong ASP development, SQL, NET, C++, HTML, CGI, MS Soap & JavaScript. Comprehensive benefits, competitive salary & opportunities for professional growth. Send resume to staffing@dsionline.com. Visit website at www.dsionline.com. No third party inquiries. Relocation is not provided.

BALL STATE UNIVERSITY Muncie, Indiana Tenure/Rank Open Department of Computer Science

The Department of Computer Science seeks applicants for a full-time, tenure-track faculty position. Rank open. Applicants should have the desire and interest to teach all undergraduate and master's level graduate courses with a special background in one or more of the following areas: database/data mining, Web technologies, systems software, networks, security, software testing and reliability, and other areas closely related to software engineering. In particular, the successful applicant must be able to teach CS1 and CS2. An active productive research program is required for tenure and promotion. Minimum qualification: doctorate in computer science or closely related field, such as mathematics or electrical engineering by August 16, 2002. Preferred qualifications: Ph.D. in computer science; teaching experience.

Ball State University has approximately 17,500 students. The Department of Computer Science has approximately 200 undergraduate majors and 100 M.S. students. Departmental lab facilities include both Microsoft Windows-based machines and Unix-based machines. For more information, visit Web pages at www.bsu.edu/ and www.cs.bsu.edu/

Send letter of application; vita; copies of transcripts; and the names, addresses, and telephone numbers of at least three references to: Dr. J. Michael McGrew, Computer Science Search Committee, Department of Computer Science, Ball State University, Muncie, IN 47306. Review of applications will begin immediately and will continue until the position is filled. (www.bsu.edu)

Ball State University is an equal opportunity, affirmative action employer and is strongly and actively committed to diversity within its community.

UNIVERSITY OF CALIFORNIA, LOS ANGELES Department of Computer Science

The Department of Computer Science in the Henry Samueli School of Engineering and Applied Science at the University of California, Los Angeles, invites applications for a full-time lecturer position to develop, teach and supervise courses in the area of software systems. Specific areas include software engineering, programming languages, compilers and operating systems.

Applicants should have a strong commitment to teaching, experience at the university level, and knowledge of current undergraduate Computer Science and Computer Engineering curricula. A Ph.D. in computer science or computer engineering is recommended. Selection criteria will include breadth of knowledge of the subject area and a track record of teaching effectiveness.

Interested applicants should e-mail their CV and cover letter addressed to Professor Milos Ercegovac, Chair, in two separate PDF files to chair@cs.ucla.edu. Please indicate on your cover letter that you are interested in the lecturer position. A list of four references with complete addresses, telephone numbers, and e-mail addresses should also be submitted in a text file.

The University of California is an Equal Opportunity/ Affirmative Action Employer.

WINSTON-SALEM STATE UNIVERSITY

Winston-Salem State University is seeking applicants for the following positions:

- Paul Fulton/Delta Sigma Theta Distinguished Professor of Computer Science
- R. J. Reynolds Distinguished Professor of Computer Science – Nine-month, tenure-track; Ph.D. in computer science, computer engineering or related discipline; teaching and research experience; expertise in two or more of the following areas – computer networks, e-commerce, database, bioinformatics, visualization, CIS, client server, computer and network security, computer graphics, parallel and distributed computing, operating systems, computer architecture, software engineering, software testing; will teach 6-12 hours of computer science classes, cultivate and pursue funding from external sources, conduct research involving faculty and students, assist in curriculum development, assist in the development of a master's degree program in computer science and information technology, conduct seminars, and serve on committees.

Please send letter of application, vita, three letters of reference, and official transcripts of all graduate and under-

graduate work to – Computer Science Search; Dr. Aaron Horne, Dean; College of Arts and Sciences; CB 19335-WSSU; Winston-Salem, NC 27110. Application deadline: February 28, 2002; Starting date -- August 2002.

Winston-Salem State University (WSSU) is a liberal arts, state-supported institution with an enrollment of approximately 2800 students. A constituent institution of the University of North Carolina, WSSU is located in Winston-Salem, North Carolina, a city of approximately 172,000 residents.

Winston-Salem State University does not practice or condone discrimination in any form, against students, employees or applicants on the basis of race, color, national origin, religion, sex, age, or handicap. Winston-Salem State University complies with the Immigration Reform and Control Act of 1986.

EASTERN WASHINGTON UNIVERSITY Department of Computer Science

Open faculty positions Fall 2002 in an expanding program. **Tenure-track 1:** Asst/Assoc Prof, Multimedia Programming. Teach multimedia & core computer science. Doctorate, or Master's degrees in both a technical computing area & Fine Arts with technical, industrial, or teaching experience. **Tenure-track 2 and 3:** Asst/Assoc Prof. Ph.D. in Computer Science, Computer/Electrical Engineering or related field. Evidence of commitment to excellence in teaching and collaborative research. Teach core, advanced and graduate courses. All specializations considered. Lecturers: Teach Computer Science, Computer Literacy, and service courses. Master's degree.

Applicant consideration begins immediately. We are an affirmative equal opportunity/affirmative action employer, and applications from members of historically underrepresented groups are especially encouraged. The successful candidates will be required to pass a background check and to show proof of eligibility to work in the U.S. pursuant to U.S. immigration laws.

Provide curriculum vitae, & contact information for three references, at least one of whom can address your teaching ability, to: Margo Dalager Stanzak, Operations Manager, Computer Science Department, Computer Science Building 202, Eastern Washington University, Cheney, WA 99004-2412.

Duplicate
listing on
www.computer.org