

**UNIVERSITY OF PENNSYLVANIA, Department of Computer and Information Science, Faculty Positions.** The University of Pennsylvania invites applicants for tenure-track appointments in both experimental and theoretical computer science to start July 1, 2004. Senior level appointments will also be considered. Faculty duties include undergraduate and graduate level teaching as well as research. Successful applicants will find Penn to be a stimulating environment conducive to professional growth. The Department of Computer and Information Science is undergoing a major expansion, including new faculty positions and a new building, Levine Hall, completed April 2003. Over the last two years, we have successfully recruited faculty in artificial intelligence, computer architecture, computational biology, databases, distributed systems, machine vision, programming languages, and security. We are now especially interested in candidates in graphics and animation, systems and networking, and cryptography, although we will consider seriously applications by outstanding candidates in all areas at all levels, especially those who complement our current strengths in algorithms, artificial intelligence, data-

bases, formal methods, robotics and machine vision, and networking and distributed systems. 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, the Wharton School, the Annenberg School of Communication, Nursing, Law, and Fine Arts. The University campus and its surroundings in Philadelphia benefit from a rich diversity of scientific, educational, and cultural opportunities, major technology-driven industries such as pharmaceuticals and aerospace, as well as attractive urban and suburban residential neighborhoods. Princeton and New York City are within commuting distance. To apply, please complete the form located on the Faculty Recruitment Web Site at: [http://www.cis.upenn.edu/positions/faculty\\_application.html](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, Faculty 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 January 15, 2004 to be assured full consideration. Applications will be accepted until positions are filled. Questions can be addressed to: [fac-recruit-search@central.cis.upenn.edu](mailto:fac-recruit-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.

**BRIGHAM YOUNG UNIVERSITY (BYU).** Applications are invited for Computer Science tenure-track faculty positions. Applicants must have a Ph.D. and strong research orientation to support the Ph.D. and M.S. programs. For more information, see [www.cs.byu.edu](http://www.cs.byu.edu). BYU is an EEO/AA employer with preference for LDS candidates.

**BAYLOR UNIVERSITY.** The department of Computer Science at Baylor University seeks qualified candidates for the faculty chair position. Our greatest strength is a faculty dedicated to the success of students and one another. Interested candidates are welcome to directly contact any faculty member to ask questions about our department and visit the department's web site of the School of Engineering and Computer Science at <http://www.ecs.baylor.edu>. Baylor University has embarked on Vision 2012, a move to increase research activities while continuing to emphasize high-quality undergraduate and graduate education. Consequently, the University seeks candidates with high academic standards and Christian convictions matched by active participation in a community of faith. Viable candidates must have a PhD in Computer Science, leadership experience, a commitment to undergraduate and graduate education, a quality research record, good communication and organization skills, and a strong Christian commitment. The University:



## Chief Scientist

The Arctic Region Supercomputing Center (ARSC, [www.arsc.edu](http://www.arsc.edu)) invites applications and nominations for a dynamic scientist and leader to serve as ARSC's Chief Scientist.

ARSC is located at the University of Alaska Fairbanks (UAF, [www.uaf.edu](http://www.uaf.edu)), along with several other internationally known research institutes including the International Arctic Research Center, the Geophysical Institute, and the Center for Nano Sensor Technology. The arrival of a 5-teraflop IBM system and a 1.6-teraflop Cray X1 during 2003 will keep ARSC at the forefront of university-based supercomputing centers. Recent and planned hires are increasing the number of computational scientists on campus in the areas of remote sensing, climate modeling, geophysics, planetary science, ocean modeling and bioinformatics.

The Chief Scientist will report directly to the ARSC Director and will be considered for a joint appointment with a department or institute at UAF. He or she will be expected to lead his or her own research group that will serve as a model for signature science that incorporates high performance computing, communication, mass storage systems and visualization. Applicants who will promote the use of the Data TeraGrid are particularly encouraged. The chief scientist's research group will serve to catalyze computational science activities at the center, working to connect efforts at the center, campus and the remote user community.

### Qualifications

The qualifications for the position include a Ph.D. degree or equivalent in an appropriate discipline. Preference will be given to those with an international reputation in computational science and a distinguished record of group and scientific community leadership. Strong consideration will also be given to candidates that show potential for this stature at an early career stage.

For further information about the position, contact ARSC's Director, Frank Williams, [williams@arsc.edu](mailto:williams@arsc.edu). A complete job description can be downloaded at <http://www.uaf.edu/uafhr/employment/Job0903-379.html>.

AA/EEO/ADA

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Baylor, whose 500-acre campus is located alongside the Brazos River, is the oldest university in Texas, the world's largest Baptist university, and a member of the Big 12 Conference. Baylor annually enrolls more than 14,000 students in over 150 baccalaureate and 80 graduate programs through the College of Arts and Sciences; Schools of Business, Education, Engineering and Computer Science, Music, Nursing, Law, Social Work and Graduate Studies; and the Truett Seminary; and the Honors College. For more information see <http://www.baylor.edu>. The Department of Computer Science: The Department of Computer Science offers a CSAB accredited BS in Computer Science degree, a BA degree with a major in Computer Science, a BS in Informatics with a major in Bioinformatics, and a MS degree in Computer Science. The Department has 15 faculty members, over 370 undergraduate majors and 30 graduate students. Application Procedure: Applications, including a detailed curriculum vitae, a statement demonstrating an active Christian faith, and a list and contact information for three references should be sent to Chair Search Committee, Department of Computer Science, Baylor University, PO Box 97356, Waco, TX 76798-7356.

Appointment Date: Fall 2004. For full consideration, applications should be received by December 1, 2003. Applications will be accepted until the position is filled. Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor University encourages minorities, women, veterans, and persons with disabilities to apply.

**DARTMOUTH COLLEGE, Faculty Positions in Computer Science.** The Department of Computer Science seeks candidates for faculty positions starting in September 2004. We anticipate several tenure-track openings at the Assistant Professor level. Senior faculty appointments may also be possible. Candidates in programming languages/compilers, security, systems, graphics, algorithms, robotics, and computational science are particularly encouraged to apply. Strong candidates in all areas of computer science will be seriously considered. Persons interested should submit a curriculum vitae, a research statement, and a teaching statement. Please ask at least four professionals to send letters of reference, at least one of whom

can comment on teaching. Full consideration will be given to applications that arrive by December 1, 2003. Please send application materials and general inquiries to Delia Mauceli, Computer Science Recruiting, Department of Computer Science, Dartmouth College, 6211 Sudikoff Laboratory, Hanover, NH 03755-3510. Specific questions can be referred to Scot Drysdale, at [recruit@cs.dartmouth.edu](mailto:recruit@cs.dartmouth.edu). Information on faculty and their research, facilities, and graduate students is available at <http://www.cs.dartmouth.edu>. Our department is affiliated with the Institute for Security Technology Studies, and further information can be found at <http://www.ists.dartmouth.edu>. Dartmouth is an equal opportunity/affirmative action employer and encourages applications from women and members of minority groups.

**INDIANA UNIVERSITY, Computer Science Department, Faculty Position.** The Indiana University Computer Science Department anticipates filling a tenure track, assistant professor position beginning in the fall of 2004. Though applications from all areas of computer science are welcome, we are strongly interested in candidates with research



ÉCOLE POLYTECHNIQUE  
FÉDÉRALE DE LAUSANNE

## Faculty Positions in Computer Science at the Swiss Federal Institute of Technology Lausanne (EPFL)

The School of Computer and Communication Sciences at EPFL invites applications for faculty positions in computer science at the tenure track assistant professor and tenured associate and full professor level.

Successful candidates will develop an independent and creative research program, participate in both undergraduate and graduate teaching, and supervise PhD students. The language of instruction in the graduate school is English.

Candidates from all areas of computer science will be considered, but preference will be given to candidates with interests in **algorithms, bioinformatics, hardware and software systems, and foundations and applications of verification.**

EPFL has recently implemented an ambitious program of change, including the institution of a tenure track system and the formation of the School of Computer and Communication Sciences. The School is slated for substantial growth in the coming years.

Start-up resources will be available. We offer internationally competitive salaries and benefits.

To apply, please follow the application procedure at <http://icrecruiting.epfl.ch>. The following documents are requested in PDF format: curriculum vitae, including publication list, brief statements of research and teaching interests, names, addresses and



e-mail of 3 references for junior positions, and 6 references for senior positions. Screening will start on **January 15, 2004**. Further questions can be addressed to:

**Professor Willy Zwaenepoel**  
Dean, School of Computer  
and Communication Sciences  
Swiss Federal Institute of Technology (EPFL)  
CH-1015 Lausanne, Switzerland  
[recruiting.ic@epfl.ch](mailto:recruiting.ic@epfl.ch)

Additional information about the EPFL is available at <http://www.epfl.ch>. The EPFL is an equal opportunity employer.

interests in embedded systems, algorithms and programming languages. The CS department, which is part of the College of Arts and Sciences, is working closely with our new School of Informatics which is also seeking to fill CS related positions. 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](http://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](mailto: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, Department of Computer Sciences.** The Department of Computer Sciences at Purdue University invites applications for tenure-track positions beginning August 2004. Positions are available at the Assistant Professor level; senior positions will be considered for highly qualified applicants. Of particular interest are candidates in the areas of embedded and real-time systems, software verification and assurance, and pervasive and wireless computing. Successful candidates will be expected to strengthen the growth areas outlined in the departmental strategic plan, and to contribute to core areas, especially operating systems, programming languages and compilers, software engineering, and networking. The Department of Computer Sciences offers a stimulating and nurturing academic environment. Forty faculty members direct research programs in analysis of algorithms, bioinformatics, compilers, databases, distributed and parallel computing, graphics and visualization, information security, networking and operating systems, programming languages and compilers, scientific computing, and software engineering. The department implements a strategic plan (see <http://www.cs.purdue.edu/strategicplan/Aug03.pdf>) for future growth which is strongly supported by the higher administration. This plan includes a new building expected to be operational in 2006 to accommodate significant growth in faculty size. Further information about the department is available at <http://www.cs.purdue.edu>. Applicants should hold a Ph.D. in Computer Science, or a closely related discipline, be committed to excellence in teaching, and have demonstrated strong potential for excellence in research. Salary and benefits are highly competitive. Special departmental and university initiatives are available for junior faculty. Applicants are encouraged to apply electronically by sending a curriculum vitae, a statement of career objectives, and names and contact information of at least three references in Portable Document Format (PDF) to [search@cs.purdue.edu](mailto:search@cs.purdue.edu). Hard copy applications can be sent to: Faculty Search Committee Chair, Department of Computer Sciences, Purdue University, West Lafayette, IN 47907-1398. Applications are being accepted now and will be considered until the positions are filled. Purdue University is an Equal Opportunity/Equal Access/Affirmative Action employer and is committed to building a diverse faculty of excellence.

## TENURE TRACK FACULTY POSITIONS IN COMPUTER AND SOFTWARE ENGINEERING DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING THE UNIVERSITY OF BRITISH COLUMBIA

The Department of Electrical and Computer Engineering at the University of British Columbia invites applications for tenure track positions. Positions are offered primarily at the Assistant Professor level, but exceptional candidates will be considered at all ranks. Areas of interest include, but are not limited to: **Computer Systems** (including computer architecture, memory architectures, distributed and parallel processing, real-time, reconfigurable, and fault-tolerant systems), **Software Engineering** (including requirements specification and management, software architecture, testing and static verification, safety, security, reliability, real-time systems, lightweight formal methods and software project management), **Integrated Systems** and **application areas** (including HCI, computer graphics, and computer-aided design). Outstanding candidates in all areas of Computer and Software Engineering will be considered.

Applicants must demonstrate excellent research potential and teaching ability. The successful applicants will preferably have relevant industrial experience and be active in enhancing educational and research links within the technical community. All faculty members are expected to teach at both undergraduate and graduate levels, and to supervise graduate students. A Ph.D. or equivalent in an appropriate area is required and eligibility for registration as a Professional Engineer in the Province of British Columbia is preferred. Appointments would normally start July 1, 2004, however the starting date is flexible. Salary will be commensurate with experience.

The Department offers a full range of undergraduate and graduate degree programs in Electrical Engineering and Computer Engineering. A number of new initiatives – from new Professorships and Chairs with significant support from local companies to new project-based undergraduate teaching – have created an exciting working environment. A new Institute for Computing, Information and Cognitive Systems, partly funded by the Canada Foundation for Innovation (CFI) will provide state-of-the-art laboratories for interdisciplinary research in a number of areas. Significant start-up funding to new faculty could be offered through CFI, the Canada Research Chairs Program and through other sources. The department is undergoing a major expansion which will allow critical masses of researchers in selected areas to develop. Additional information about the Department is available at <http://www.ece.ubc.ca/>.

Applications will not be accepted via email; send hardcopy only please. Applicants should submit their resume, statements of research and teaching interests, and the names of at least three references to:



Chair, Recruiting Committee  
Department of Electrical and Computer Engineering  
University of British Columbia  
2356 Main Mall  
Vancouver, BC, V6T 1Z4.

The deadline for applications is January 1, 2004. UBC hires on the basis of merit and is committed to employment equity. We encourage all qualified persons to apply; however, Canadian citizens and permanent residents will be given priority.

**American University**  
**Assistant Professor in Computer Science**

**College of Arts and Sciences**  
**Department of Computer Science, Audio**  
**Technology, and Physics**

The Department of Computer Science, Audio Technology, and Physics invites applications and nominations for a tenure track Assistant Professor position in Computer Science beginning Fall semester, 2004.

The education requirement is a Ph.D. in Computer Science. American University is seeking highly dedicated teachers and scholars who are deeply committed to interdisciplinary learning, the application of new technologies in teaching and scholarship, and to the preparation of students for life in a diverse and rapidly changing global society. The successful applicant should have had prior teaching experience.

Responsibilities include teaching, research, and service: (1) teaching courses in the B.S. and the M.S. Computer Science curriculum with a strong concern for quality education; (2) research in Computer Systems or Computer Networks; (3) service at the department and university levels.

American University is located in one of the top areas of the country for Information Technology. Many opportunities are available for research collaborations and consulting with IT professionals in universities, industry, and government.

Applications must be received by November 30, 2003. Send application letter, curriculum vitae, and the names of three references to:

*Chair of the CS Search Committee*  
*Department of Computer Science, Audio Technology, and Physics*  
*American University*  
*Washington, DC 20016*  
*gray@american.edu*  
*Phone: (202) 885-2743; Fax: (202) 885-1479*

**BOSE**

Most engineers would avoid this job. But then, we're not looking for most engineers.

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**POSITIONS**

We're looking for someone who takes pleasure in solving problems that others are only too glad to steer clear of. Like how to deliver a cinematic sound experience from just two tiny speakers. How to design a user interface that learns and adapts to your preferences. Or how to customize the sound of an audio system for the acoustics of a particular room - without ever being there.

We're the Advanced Development Group at Bose. We develop new technologies and explore innovative ways to use them. And we're looking for uncommon individuals who actually enjoy difficult challenges like these.

A Master's degree in electrical or software engineering is preferred. You'll also need exceptional technical skills in one or more of the following areas: DSP, machine learning, statistical pattern recognition, audio, or psychoacoustics. Also important is a track record that shows a passion for what you do.

Bose is a rewarding place to work. We have an environment that encourages new ideas. And we put 100% of our profits back into the company, so we can weather economic storms. We finance our own growth and we have the resources to turn our ideas into reality.

Please e-mail your resume to: [ieee@bose.com](mailto:ieee@bose.com)

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Bose is an equal opportunity employer.

**Research on Algorithms and**  
**Architectures for Computational**  
**Biochemistry**

Extraordinarily gifted computer scientists, systems architects, electrical engineers and systems software professionals are sought to join a rapidly growing New York-based research group pursuing an ambitious, long-term project aimed at achieving major scientific advances in the field of biochemistry and fundamentally transforming the process of drug discovery. This research effort is being financed by the D. E. Shaw group, an investment and technology development firm with approximately \$5 billion in aggregate capital, and operates under the direct scientific leadership of its founder, Dr. David E. Shaw.

Among the group's current research activities is a project aimed at developing a massively parallel special-purpose super-computer and innovative mathematical and computational techniques to direct unprecedented computational power toward the solution of key scientific and technical problems in the fields of molecular simulation and molecular design. Successful candidates will be working closely with a number of the world's leading computational chemists and biologists, and will have the opportunity not only to participate in an exciting entrepreneurial venture with considerable economic potential, but to make fundamental contributions within the fields of biology, chemistry and medicine.

Serious candidates will have an exceptionally distinguished history of academic and/or industrial accomplishment in computer science, electrical engineering, applied mathematics, or a related area. Particularly relevant areas of expertise might include parallel computation, high-speed interconnection networks, scientific computing, numerical analysis, optimization, the analysis of algorithms, operating systems, digital systems simulation, reconfigurable computing, and ASIC design, but specific knowledge of any of these areas is less critical than exceptional intellectual ability and a demonstrated track record of achievement. We are prepared to reward exceptionally well-qualified individuals with above-market compensation.

Please send your curriculum vitae (including list of publications, thesis topic, and advisor, if applicable) to [eecs@deshaw.com](mailto:eecs@deshaw.com).

*D. E. Shaw Research and Development, L.L.C. does not discriminate in employment matters on the basis of race, color, religion, gender, national origin, age, military service eligibility, veteran status, sexual orientation, marital status, disability, or any other protected class.*

**DE Shaw & Co**

**ALBERT-LUDWIGS-UNIVERSITY FREIBURG.** The Albert-Ludwigs-University Freiburg is establishing a new interdisciplinary Center for Bioinformatics (ZfBI) with three Professorships. This Center is embedded in the university-wide research focus in the area of life sciences. The Faculty of Applied Sciences, with its institutes of Computer Science and Microsystem Technology, invites applications for the position of a Full Professor (C4) in Bioinformatics within the new Center. The prospective candidate will belong to the Institute of Computer Science and will also be an associated member of the Faculty of Biology. He/She will lead research and teaching in the field of Bioinformatics. He/She will also be in charge of implementing new courses and degrees in cooperation with other universities in the Upper Rhine Valley Area Network (EUCOR). The University of Freiburg aims to increase the percentage of women in research and teaching, and therefore encourages female candidates meeting the above qualifications to apply. It should be noted that, whereas the position is tenure-track, a first appointment as a professor in Germany is non-tenured. The State of Baden-Württemberg intends to reform the pay schedule for professors by

1.1.2005. Professors employed after this date will be paid according to the revised salary scale. Applications, including a curriculum vitae, publications list and statement of research interests should be sent by January 30, 2004 to the Dean of the Faculty of Applied Sciences, University of Freiburg, D-79110 Freiburg, Germany ([www.faw.uni-freiburg.de](http://www.faw.uni-freiburg.de)).

**COMPUTER SUPPORT SPECIALIST.** F/T, coord comp. switch operation sys software install. & adjunct apps provide tech support to Lat. America customers; comp input & output control, sys testing; & implement sys software changes & modifications in Dallas, TX. B.S in Comp Sci & fluency in Spanish req'd. Send CV to Jeff Finley, Global Comm. Tech. Inc., 14455 Webb Chapel Rd., Dallas, TX 75234.

**THE UNIVERSITY OF CALIFORNIA, BERKELEY.** THE UNIVERSITY OF CALIFORNIA, BERKELEY invites applications for tenure-track positions in ELECTRICAL ENGINEERING AND COMPUTER SCIENCES at the Assistant Professor, Associate Professor, or Full Professor level, beginning in Fall Semester 2004, subject

to budgetary approval. Several faculty searches have been approved. We are also considering the possibility of joint searches with other UC Berkeley departments. Applicants should have received (or be about to receive) a doctoral degree in Computer Science, Electrical Engineering, Computer Engineering, or a related field. A principal requirement is demonstrated excellence in research. In addition, potential for excellence in teaching and leadership are important requirements. Successful applicants will be expected to establish a quality research program and to teach both graduate and undergraduate courses in their general area of specialty. Interested persons should send an application consisting of a resume, a one- to two-page statement of their future research and teaching interests/plans, a select subset of publications, and the names of three references whom you have asked to send in recommendations. Review of completed applications will begin December 15, 2003. We will not consider applications received after March 1, 2004. Recommendation writers should send letters directly to the same address where applications are sent, to arrive before January 1, 2004 if possible. Reference letters will NOT be requested directly by the depart-



## APPLY NOW!

### 2004 DOE High-Performance Computer Science Fellowship



The Department of Energy High-Performance Computer Science Fellowship program is designed to support students pursuing graduate study at U.S. universities in computer science and specializing in high-performance computing.

The program offers a \$24,000 annual stipend and payment of tuition and fees. The program is open to U.S. citizens who are exceptional senior undergraduates or in their first or second year of graduate school and working toward a PhD. Appointments are reviewed annually and may be renewed up to four years. Fellows also have an opportunity to perform research using some of the world's most powerful computers at Los Alamos National Laboratory, Lawrence Livermore National Laboratory and Sandia National Laboratories, the organizations that sponsor this fellowship.

This is an equal opportunity program and is open to all qualified persons without regard to race, sex, creed, age, physical disability or national origin.



For an application packet or more information, contact Deanne Eggers at 515-956-3696, [www.krellinst.org/DOE\\_HPCS](http://www.krellinst.org/DOE_HPCS), or [eggers@krellinst.org](mailto:eggers@krellinst.org)

## FACULTY - Tenure/Tenure-Track

### Department of Electrical and Computer Engineering

The Department of Electrical and Computer Engineering at Northeastern University invites applications for tenure/tenure-track faculty. Candidates should have a Ph.D. in electrical or computer engineering or computer science and have teaching and research interests to fill positions in the following areas (topics of interest are also identified in parentheses):

Area 1: Magnetic materials (ferrites, artificial and nano structures, devices, modeling, microwave applications).

Area 2: VLSI (circuits, high performance design, related CAD methodologies, fabrication, integrated systems).

Area 3: Subsurface Sensing and Imaging (wave based computational modeling and/or signal processing, tomographic reconstruction, opto-acoustic experiments) see [www.censsis.neu.edu](http://www.censsis.neu.edu) for more details.


Area 4: Dependable systems (fault-tolerant networking, security, experimental systems, fault/defect tolerance).

These faculty members will enjoy the opportunity of working in a collaborative environment on a wide-range of projects and joining an established group of colleagues and graduate students. Involvement in a strong research program, potential for acquiring substantial external funding and sponsorship, established record in refereed publications and excellent communication skills are some of the objectives and expectations associated with these positions.

As lead institution, the ECE Department hosts the NSF-funded Engineering Research Center on Subsurface Sensing and Imaging Systems (GenSSIS). The ECE Department has 38 faculty members in addition to research faculty, lecturers and staff. Among the faculty there are six NSF CAREER/PYI, one ONR Young Investigator and one Presidential Faculty Fellow Award recipient. The ECE Department has excellent ties to industry and ranks in the top 10 nationally in the amount of funded research among ECE Departments in private universities. Northeastern University is located in Boston, a major cultural and high tech center.

**Please send by postal mail a resume and a list of at least three references to: Professor Fabrizio Lombardi, Chair, Department of Electrical and Computer Engineering, 409 Dana Building, Northeastern University, Boston, MA 02115**

*Northeastern is an equal opportunity/affirmative action, Title IX University.*



## Northeastern

UNIVERSITY

ment. Computer Science applications should be sent to: CS Faculty Search Committee, c/o Debra Zaller, Computer Science Academic Personnel, 381 Soda Hall # 1776, UC Berkeley, CA 94720-1776. Electrical Engineering applications should be sent to: EE Faculty Search Committee, c/o Jean Richter, Electrical Engineering Academic Personnel, 231 Cory Hall # 1770, UC Berkeley, CA 94720-1770, The University of California is an Equal Opportunity, Affirmative Action Employer.

**THE UNIVERSITY OF NORTH TEXAS, Tenured and Tenure Track Faculty Positions, Department of Computer Science and Engineering.** The Department of Computer Science and Engineering at the University of North Texas invites applications and nominations for a senior level and multiple junior level faculty positions (pending budget approval) in all Computer Engineering areas to start in Fall 2004. The open positions may be filled individually or concurrently with the choice of the senior faculty position. All positions require an earned doctoral degree in Computer Engineering or a closely related field. Applicants for senior positions must demonstrate established research record, funding history and national recognition. The CSE department offers BA and BS, MS and PhD degrees in Computer Science. BS and MS degrees in Computer Engineering are initiated in Fall 2003. It is anticipated that approval for a PhD in Computer Engineering will be sought in the near future. More information about the department can be found at <http://www.cs.unt.edu/>. Please submit applications and nominations including a detailed curriculum vitae and have at least three letters of reference sent to: Faculty Search Committee, Department of Computer Science and Engineering, P.O. Box 311366, Denton, Texas, 76203, or electronically to: [faculty\\_search@cs.unt.edu](mailto:faculty_search@cs.unt.edu). The University of North Texas is an Equal Opportunity/Affirmative Action/ADA employer, committed to diversity in its faculty and educational programs.

**JOHNS HOPKINS UNIVERSITY, Faculty Applications.** The Department of Computer Science at Johns Hopkins University is seeking applications for a tenure-track faculty position at all ranks and in all fields. Of highest interest are candidates who will further increase the national and international recognition of our research and teaching programs. We also invite applicants who wish to be considered for chairmanship of the department. All applicants must have a Ph.D. in computer science or a related field and are expected to show evidence

## CHAired FACULTY POSITIONS WIRELESS COMMUNICATIONS AND NETWORKING

The Digital Technology Center (DTC) at the University of Minnesota in conjunction with the Department of Computer Science & Engineering (CS&E) and the Department of Electrical & Computer Engineering (ECE) invite applications for three faculty positions with endowed chairs (two ADC Telecommunications chairs and one Qwest chair). The appointments will be at the rank of Associate or Full Professor with tenure in one of these departments, or, potentially in related disciplines represented within the DTC. Areas of interest span all aspects of wireless and mobile communications, networking, multimedia distribution, distributed computing, and storage. Applicants must possess a distinguished research record, demonstrated ability in establishing and leading a highly visible research program, and a commitment to teaching at the graduate and undergraduate levels. A Ph.D. in a relevant discipline is required. Please see employment section at [www.dtc.umn.edu](http://www.dtc.umn.edu) for complete details.

Applicants should submit a curriculum vitae and the names of at least three references to:

**Prof. David Du, DTC Search Committee Chair**  
**c/o Ann Johns, Assistant Director for Human Resources**  
**University of Minnesota, Digital Technology Center**  
**599 Walter Library, 117 Pleasant St. SE, Minneapolis, MN 55455**

You may also apply electronically to [johns@dtc.umn.edu](mailto:johns@dtc.umn.edu).

### UNIVERSITY OF MINNESOTA

The University of Minnesota is an Equal Opportunity Educator and Employer.



BOTHELL

#### **Professor & Director/Chair – Computer Science/Software Engineering** *The University of Washington, Bothell*

The University of Washington, Bothell (UWB) invites applications for Professor and Director of the Computing and Software Systems (CSS) department – a degree program broadly-based in software development, project management and knowledge management principles.

The Director provides departmental leadership and day-to-day operations typical of a chair as well as performs functions associated with “dean” on other campuses, including stewardship of the campus and external community outreach.

UWB is an upper-division and graduate campus distinguished by creative approaches to teaching, interdisciplinary research and community collaborations. A career-transition CSS Masters degree program has been approved and its implementation will be among the responsibilities of the new director.

**Qualifications:** At least two years experience of proven academic leadership and academic program development; the ability to balance strategic initiatives with day-to-day operations; evidence of the ability to attract sources of external funding; demonstrated commitment to excellence in undergraduate and graduate education; and an earned doctorate in a technology-related field, along with a body of continued scholarship that warrants UWB appointment at the rank of Full Professor.

**The successful Director/Chair will:** Grow the department through new and existing programs; build an innovative and well-supported research environment; foster collaboration between CSS faculty and community partners; sustain the faculty’s interdisciplinary research, teaching, and curriculum development; provide collaborative academic leadership to UWB; teach within the program.

Appointment is at the rank of full professor and salary is competitive.

Review of applications begins on November 15, 2003 and continues until position is filled.

Please send a curriculum vitae; list of references; and a letter describing leadership and administrative experience, strategies employed to encourage excellence in teaching and research, program development record, and experience working collaboratively with faculty and with the community to:

**Office of the Chancellor**  
**Campus Box 358520**  
**CSS Program Director Search Committee**  
**University of Washington, Bothell**  
**18115 Campus Way NE**  
**Bothell, WA 98011-8246**

For additional information, please see our website at <http://www.bothell.washington.edu/CSS/>. The University of Washington, an equal opportunity/affirmative action employer, is building a culturally diverse faculty and strongly encourages applications from women and minority candidates.

of an ability and willingness to develop academic research and teach programs of the highest quality. Commitment to quality teaching at the undergraduate and graduate levels will be required of all candidates considered. Johns Hopkins is a private University well known for its commitment to academic excellence. The Department of Computer Science is among the first rank of departments in the Whiting School of Engineering in terms of funded research activities and educational programs. In recent years, it has been experiencing rapid growth in the quality and scope of its programs. As part of this expansion, the department expects to occupy a new computer science building within 3 years. See the department webpage at <http://www.cs.jhu.edu> for additional information about the department, including links to research laboratories and centers. Applicants should apply using the Online Application which can be accessed from <http://www.cs.jhu.edu/apply>. If you have any problems or have any questions, please email [fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu). Those applicants who cannot follow the above guidelines (e.g. do not have access to electronic facilities) may send their materials to: Faculty Search Committee, Department of Computer Science, Room 224 New, Engineering Building, Johns Hopkins University, Baltimore, MD 21218-2694. Fax: 410-516-6134, Phone: 410-516-8577, [fsearch@cs.jhu.edu](mailto:fsearch@cs.jhu.edu). We encourage applications to be submitted as soon as possible; however, to ensure full consideration, complete applications (including the reference letters) should be received by February 1, 2004. The Johns Hopkins University is a EEO/AA employer.

**UNIVERSITY OF SOUTH FLORIDA, Computer Science and Engineering.** Applications are invited for several tenure track faculty positions in the Department of Computer Science and Engineering. We are particularly interested in candidates with expertise in architecture, compilers, databases, design automation, distributed systems, networking, operating systems, security, software engineering, and VLSI design and test. Applications are also invited for several non-tenure track faculty positions with primary responsibilities in teaching in all areas of computer science and engineering. Rank and salary will be commensurate with qualifications and experience. Screening of applications will begin on Dec 1, 2003 and will continue until the positions are filled. The Department of Computer Science and Engineering (<http://www.csee.usf.edu>) has 19 faculty members and offers BS, MS, and PhD degrees. The graduate program serves some 180 students. The research program is well supported (\$6.7M in

2002) by federal and state agencies including DARPA, NIH, NSF, ONR, and USGS, and industry. A strong partnership exists with the USF College of Medicine and the H. Lee Moffitt Cancer Center and Research Institute. The application package should include a cover letter, curriculum vitae, names and contact information of at least three references, and a brief statement outlining research and teaching goals. It should be sent to the Search Committee Chair, Box B, Computer Science and Engineering, University of South Florida, 4202 East Fowler Avenue, ENB-118, Tampa, FL 33620-5399. Applications are also accepted via email at [faculty-search@csee.usf.edu](mailto:faculty-search@csee.usf.edu). The University of South Florida with about 40,000 students is among the top 20 largest schools in the nation located in Tampa Bay, a metropolitan area with a population of about 2.5 million. According to Florida law, applications and meetings regarding them are open to the public. The University of South Florida is an Equal Opportunity/Equal Access/Affirmative Action Institution. Women and minorities are strongly encouraged to apply. Dual career couples with questions about opportunities are encouraged to contact the department chair.

**UNION COLLEGE, Computer Science Chair.** Union College invites applications and nominations for a department chair to be added to our current six full-time positions in Sept. 2004. The department offers a B.S. degree, has a small M.S. program, and, with Electrical and Computer Engineering, offers a B.S. in computer engineering. The ideal candidate will be an established associate or full professor excited about leading a department in maintaining a strong program and in building closer ties with engineering, the sciences, and the arts. The college has a "converging technologies" initiative to support interdisciplinary work. Candidates should hold a Ph.D. in computer science and have a record of excellent teaching and research. See [www.cs.union.edu/chair.html](http://www.cs.union.edu/chair.html) for the full position description and application process. Union is committed to AA/EEO, and women and minorities are strongly encouraged to apply.

**CALIFORNIA STATE UNIVERSITY, NORTHRIDGE.** The Computer Science Department at California State University, Northridge invites applications for a tenure track position at the assistant professor level effective late August 2004. A doctorate in computer science or a closely related field is required. Good communication skills and broad teaching interests in the computer science undergraduate/graduate core are a necessity. Specialization in one or more

of the following areas is desirable: software engineering, operating systems, networking, embedded systems, security, e-business and object-oriented design. Candidates should have a strong commitment to teaching and scholarship. Appointment requires the legal right to work in the United States. California State University Northridge is located in an urban setting 25 miles north of downtown Los Angeles, adjacent to high tech and entertainment industries. The department has extensive computing facilities and a CSAB accredited curriculum. For additional information about the department, please visit <http://www.csun.edu/compsci/>. Applicants should send a letter of application and a detailed resume, together with the names, addresses and telephone numbers of three references to: Chair, Tenure Track Search Committee, Computer Science Department, California State University, Northridge, CA 91330-8281. Review of applications will begin on Nov. 10, 2003 with preference given to applications received by Jan. 12, 2004. CSUN is an Equal Opportunity/Affirmative Action/Title IX, Section 504 Employer.

**UNIVERSITY OF KANSAS.** The University of Kansas Information and Telecommunication Technology Center (ITTC) invites applications for a Research Assistant Professor position beginning January 2004. Areas of interest: databases, security, information modeling, high performance computing, algorithm optimization, knowledge management, and collaborative technologies; all with application to bioinformatics. ITTC is a Kansas Technology Enterprise Corporation (KTEC) Center of Excellence (<http://www.ittc.ukans.edu/>). Details can be found at [www.ittc.ku.edu/jobs](http://www.ittc.ku.edu/jobs) or by calling 785-864-7354. Review of applications will begin on November 15, 2003. EO/AA employer.

**UNIVERSITY OF CALGARY, Department of Computer Science, Assistant, Associate, and Full Professor Positions.** The Computer Science Department, Faculty of Science, at the University of Calgary is continuing a large expansion and seeks outstanding candidates for tenure track/tenured positions at the Assistant, Associate, and Full Professor levels. We are interested in candidates in all areas of Computer Science and outstanding candidates from any area will be seriously considered. Applicants from software engineering, distributed systems, operating systems, databases, and human-computer interactions are of particular interest during this hiring round. Applicants must possess a doctorate in Computer Science or a related discipline, and have a strong

research record. They must be enthusiastic about contributing to both research and teaching. The Department is committed to excellent research and teaching. It has an expanding graduate program and extensive state-of-the-art computing facilities. Further information about the Department is available at <http://www.cpsc.ucalgary.ca>. Interested applicants should send a CV, a concise description of their research program, and the names and email addresses of at least three references to: Dr. K. Barker, Head, Department of Computer Science, University of Calgary, 2500 University Drive, Calgary, AB, Canada, T2N 1N4 or e-mail to: [search@cpsc.ucalgary.ca](mailto:search@cpsc.ucalgary.ca). The deadline for applications is January 2, 2004, or until the positions are filled. All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. The University of Calgary respects, appreciates, and encourages diversity.

**BROWN UNIVERSITY, Faculty Position in Computer Engineering.**

The Division of Engineering at Brown University invites applications for a tenure-track or tenured faculty position in Electrical Sciences and Computer Engineering starting in September 2004. The appointment may be made at the level of Assistant, Associate or Full Professor depending on the qualifications of the candidate selected. Qualifications include a Ph.D. or equivalent degree in Electrical Engineering, Computer Engineering or Computer Science with a strong engineering background, and significant research accomplishments in an appropriate area of computer engineering. We are seeking outstanding applicants in all areas of hardware computer systems, but are especially interested in candidates who will foster, nurture, and expand our existing strengths in computer engineering or who will build new strengths that are synergistic to our current ones. Areas of particular interest include, but are not limited to, computer architectures, digital VLSI systems and CAD, real-time computing, embedded systems, special-purpose architecture, and architectures suitable for nanotechnology or molecular computing. The appointee will be expected to be an important contributor to an active research program in computer engineering at Brown, collaborate with existing faculty, and teach undergraduate and graduate courses in the appropriate area of specialty in Computer Engineering as well as in the core curriculum of the Division. Associate professor applicants are expected to have a substantial publication record and evidence of emerging leadership in the field. Full professor applicants are expected, in addition, to have an established international

reputation as an acknowledged leader in their area of scholarship. Applicants applying at the assistant professor level should send their application together with three letters of recommendation to the address listed below. Applicants applying at the associate or full professor level should send their application and the names of at least 5 references to: Professor Iris Bahar, Search Committee Chair, Division of Engineering, Box D, BROWN UNIVERSITY, Providence, RI 02912. Applicants for associate or full professor rank should not have letters sent at the time of application; these will be requested by the search committee. Inquiries may be addressed to Tina\_Trahan@brown.edu. Applications received by December 1, 2003 will receive full consideration, but the search will remain open until the position is closed or filled. Brown University is an equal opportunity/affirmative action employer and strongly encourages applications from women and minorities.

**IOWA STATE UNIVERSITY, Department of Computer Science, Tenure-track Positions.** The Department of Computer Science has several tenure-track faculty positions open for Fall 2004.

Emphasis will be on hiring applicants at the assistant professor level in the areas of Software Engineering, Networks and Systems. We are especially interested in experimentalists that can complement our existing strengths in these areas. All positions require a Ph.D. in Computer Science or a closely related field. Candidates who are in the final stages of obtaining a Ph.D. will also be considered. For an assistant professor appointment, outstanding potential for research in computer science and promise of effective teaching at undergraduate through graduate levels is required. The department currently consists of 26 full-time tenure-track faculty and offers B.S., M.S., and Ph.D. degrees in Computer Science. It also participates in interdepartmental graduate programs in Bioinformatics and Computational Biology, and Information Assurance. Both programs are supported by large multiyear training grants from the National Science Foundation. The department has about 600 undergraduates, 60 M.S. students and 80 Ph.D. students. The department has strong research and educational programs in Algorithms and Complexity, Artificial Intelligence, Bioinformatics and Computational Biology, Databases, Data Mining, Parallel and Distributed Computing,

**UNIVERSITY of CALIFORNIA Riverside**

**Faculty Positions in Electrical Engineering**

The University of California at Riverside invites applications for tenure-track and/or tenured faculty positions at all levels in Electrical Engineering starting in the 2004/05 academic year. Applicant should have earned a Ph.D. degree in Electrical Engineering or a related field. While candidates from all areas of specialization will be considered, the priority areas are: VLSI chips and systems, RF/Microwave devices, Biomedical Imaging and Sensing, and Hybrid Systems. Candidates for tenure-track positions must provide evidence of outstanding potential in research and teaching. Candidates for tenured positions must have record of exceptional achievements in research and teaching. Candidates from industry are encouraged to apply. Salary level will be competitive and commensurate with qualifications and experience.

Applicant should send a letter of professional intent addressing teaching and research objectives; a curriculum vitae; and the names, postal and email addresses, and telephone numbers of at least five references to: Electrical Engineering Search Committee Chair, A220 Bourns Hall, University of California, Riverside, CA 92521. To receive full consideration, applications must be received by January 31, 2004. Late applications will be considered until all positions are filled.

UC Riverside is a major research institution and a member of the ten-campus University of California System, widely regarded as one of the best systems of public higher education in the world. Riverside is located between Los Angeles, Palm Springs, and San Diego with affordable housing and easy access to beaches, mountains, cultural activities, and other attractions. For more information, visit: [www.ucr.edu](http://www.ucr.edu).

The University of California at Riverside is an Equal Opportunity and Affirmative Action Employer.

Information Assurance, Programming Languages, Multimedia Systems, Operating Systems and Networks, and Software Engineering. A dynamic faculty, moderate teaching load (typically 3 courses per year with further reductions for junior faculty), strong graduate program, and well-funded research program provide an excellent academic environment. In addition interdisciplinary interactions facilitated by the Laurence H. Baker Center for Bioinformatics and Biological Statistics, the Information Assurance Center, DOE Ames Laboratory, and the Virtual Reality Center nurture cutting edge research and education. Iowa State University is a major land-grant university located in Ames, Iowa. It is a pleasant, small, cosmopolitan city with a population of over 50,000 (including about 27,000 students), a vibrant cultural scene, an excellent medical clinic, and a secondary school system that ranks among the best in the United States. In 2002, Ames was ranked as the 20th best place to live in North America. Applicants should send a curriculum vita, including the names and addresses of at least three references, to: Chair of Search Committee, Department of Computer Science, Iowa State University, Ames, Iowa 50011-1041. Fax: 515-294-0258, Tel: 515-294-4377, E-mail: faculty-search@cs.iastate.edu, URL: www.cs.iastate.edu. Review of applications will begin on December 1, 2003 and will continue until the positions are filled. ISU is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

**UNIVERSITY OF CHICAGO.** The Department of Computer Science at the University of Chicago is recruiting faculty at the junior and senior level in a wide range of topic areas, including but not limited to systems, AI, security, bioinformatics, computational linguistics, and all aspects of theoretical computer science. The University of Chicago has the highest standards for scholarship and faculty quality - and the Computer Science Department's charge and goal is substantial growth through appointments that will enhance the quality and prestige of our University. We especially value faculty whose research has impact and visibility beyond Computer Science. The University and Argonne National Laboratory established the Computation Institute to facilitate such interdisciplinary research. The Chicago Metropolitan area is diverse and exciting. The local economy is vigorous, with international stature in banking, trade, commerce, manufacturing, and transportation, while the cultural scene can boast diverse cultures, vibrant theater, world-renowned symphony, opera, jazz, and blues. Please send nominations or appli-

cations to: Professor David B. MacQueen, Chairman, Department of Computer Science, The University of Chicago, 1100 E. 58th Street, Ryerson Hall, Chicago, IL. 60637-1581. Complete applications consist of (a) a curriculum vitae, including a list of publications and citizenship information, (b) three letters of reference (including one which addresses teaching ability) or a list of references for senior faculty applicants, (c) a research and teaching statement, discussing both past research and future plans. Applicants must have completed, or will soon complete, a doctorate. Applications must arrive by January 31, 2004. The University of Chicago is an equal opportunity/affirmative action employer and encourages applications from under-represented minorities and women.

**MILWAUKEE SCHOOL OF ENGINEERING, Software Engineering Faculty.** The Electrical Engineering and Computer Science Department invites applications for open faculty positions in software engineering. Successful candidates will join with our current faculty members to continue development of MSOE's ABET-accredited BSSE program, which produced its first graduates in May 2002. A doctorate in software engineering, computer engineering, computer science, or related field is required. We welcome expertise in all areas of software engineering practice, and highly value practical software engineering experience. Founded in 1903, MSOE is a private, application-oriented university with programs in engineering, business, and nursing. MSOE provides its graduates with a strong foundation in theory and practice. MSOE's 12+ acre campus is located near Milwaukee's East Town, Theater District, and Lake Michigan. Please send a resume and the names of three references to: Faculty Search Committee, EECs Department, Milwaukee School of Engineering, 1025 N. Broadway, Milwaukee, WI 53202-3109. Further information is available on the web at [www.msOE.edu/eecs/se/](http://www.msOE.edu/eecs/se/).

**THE HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY, Department of Computer Science.** The Department of Computer Science in the School of Engineering has a number of faculty positions open at all levels for the 2004-2005 academic year. It currently has 40 faculty members recruited from major universities and research institutions around the world, and about 530 undergraduate students, and about 170 graduate students. More information about the Department can be found at our website <<http://www.cs.ust.hk>>. The Department is looking for faculty members with research interests in the fol-

lowing areas: pervasive computing, graphics and visualization, bioinformatics, programming languages and compiler, software engineering, HCI, web technologies, computer systems, and grid computing. Ample research funding is available through government agencies and industry-sponsored research institutes at the University. The medium of instruction is English. Applicants should have a Ph.D. degree and demonstrated potential in teaching and research. Senior applicants must have excellent teaching and research records. Salary and benefits are very competitive. Housing will be provided at a charge of 7.5% of salary where applicable. Initial appointments will normally be on a three-year gratuity-bearing contract, renewable subject to mutual agreement. All applications should be sent through email including a cover letter, C.V. (with at least three names of referees), research statement, and teaching statement (all in pdf format) to [csrecruit@cs.ust.hk](mailto:csrecruit@cs.ust.hk). Priority will be given to applications received by January 31, 2004. Applicants will be promptly acknowledged through email upon receipt of the application.

**THE UNIVERSITY OF ALABAMA, Department of Electrical and Computer Engineering.** The University of Alabama Department of Electrical and Computer Engineering (ECE) invites applications for a tenure-track faculty position at the Assistant or Associate Professor level. Candidates in all specializations of Computer Engineering will be considered. We are especially interested in qualified applicants in embedded systems and related areas. The ECE department has recently restructured the computer engineering curriculum to emphasize education and research in embedded systems. Applicants must have a Ph.D. in Electrical Engineering, Computer Engineering, or a closely related field by the date of appointment. Industry experience is desirable. Applicants must show the potential to establish a quality research program, collaborate effectively with other faculty, and excel in teaching at both the graduate and undergraduate levels. The ECE Department offers B.S., M.S., and Ph.D. degrees, with ABET-accredited programs in both Electrical and Computer Engineering. ECE is among the largest of the College of Engineering's departments with approximately 300 undergraduate and 60 graduate students. Present faculty specializations include computer engineering, communications, controls, electromagnetics, electronics, materials, devices, and power. The ECE faculty is currently involved in federally and industrially sponsored research at the level of approximately \$7 million. Applications and inquiries should be sent to: Dr. D. Jeff

Jackson, Chair, Electrical and Computer Engineering Search Committee, Box 870286, Tuscaloosa, AL 35487-0286; Phone: (205) 348-2919; E-mail: jjackson@coe.eng.ua.edu. Review of applications will begin January 15, 2004 and continue until the position is filled. Applications must include a resume, one-page narrative statement on research and teaching interests in an academic setting, and the names and addresses of three references. A start-up package will be provided in order to enhance the development of a quality research program. The University of Alabama is an Equal Opportunity Affirmative Action Employer. Women and minorities are strongly encouraged to apply.

**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 tenure-track positions in all areas of Computer Science and Computer Engineering. Applications are also strongly encouraged from distinguished candidates at senior levels. The UCLA Campus administration is committed to significant growth in the faculty of the Computer Science Department, with a projection of 2-3 new faculty members per year for the next two years. Quality is our key criterion for applicant selection. Applicants should have a strong commitment to both research and teaching and an outstanding record of research for their level. We seek applicants in any mainstream area of Computer Science and Computer Engineering. To apply, please visit <http://www.cs.ucla.edu/recruit>. Faculty applications received by January 15 will be given full consideration. The University of California is an Equal Opportunity/Affirmative Action Employer.

**INFORMATION AND COMMUNICATIONS UNIVERSITY, Full-time and Visiting Faculty Positions.** Information and Communications University (ICU) invites applicants, regardless of nationality, for full-time and visiting faculty positions in all areas of computer science and electrical engineering including computer graphics, human-computer interaction, robotics, embedded systems, SoC design and verification, video communication and system, mobile communication (wireless channel, detection & estimation), bioinformatics, and information security. Ph.D. in computer science and electrical engineering or related fields and evidence in teaching and research excellence are required. ICU is a fast growing university aiming to educate leaders in the infor-

mation industry and conduct top quality research. ICU offers BS, MS and Ph.D. degree programs in computer science/engineering, telecommunications, electronics engineering, and management of technology. ICU has opened an undergraduate program 2001 spring and successfully recruited students who are ranked at top 1% of 2002 high school graduates. The university is located in Taeduk science town, Taejeon, Korea. Please refer to the university home page (<http://www.icu.ac.kr>) for further information. Salaries are highly competitive and commensurate with qualifications and experience. Successful candidate should have his/her willingness to give lectures in English since the teaching language is English. Positions start Spring 2004. The positions will remain open until filled. Teaching or industrial experience will be highly desirable. To apply, please send e-mail a resume, a statement of teaching and research interests, and three letters of recommendation (to be submitted directly from a recommender) to: Faculty Search Committee, School of Engineering, Information and Communications University, 103-6 Munji-Dong, Yuseung-Ku, Taejeon, 305-714, KOREA. E-mail: [search@icu.ac.kr](mailto:search@icu.ac.kr). Tel: +82-42-866-6100, Fax: +82-42-866-6110.

**WAYNE STATE UNIVERSITY, Department of Computer Science, Faculty Positions.** The Department of Computer Science of Wayne State University invites applications for tenure-track faculty positions at the Assistant Professor level in the areas of Web Intelligence, Computer Graphics and Applications, and System Security. Excellent candidates from other areas of Computer Science will also be considered. Candidates should have a Ph.D. in computer science or computer engineering. A successful candidate will have a strong interest in and commitment to research and teaching, a strong publication record in their area, and show a potential for obtaining external research funding. 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 also maintains active collaborative relationships with other centers and departments within the university. Wayne State University, located in Detroit's Cultural Center, is an urban research university serving over 33,000 students. Many outstanding residential communities and some of the nation's top 5% school districts are nearby. The University offers excellent benefits and a competitive compensation package. Applicants should send a letter of intent, a statement of research and teaching interests and contact information for at least three

references to: Chair, Faculty Search Committee, Department of Computer Science, Wayne State University, Room 431 State Hall, 5143 Cass Ave, Detroit, MI 48202; OR electronically to [search@cs.wayne.edu](mailto:search@cs.wayne.edu). Review of applications will begin on January 12, 2004 and will continue until the positions are filled. Wayne State University is an equal opportunity/affirmative action employer.

**UNIVERSITY OF NORTH CAROLINA, Electrical and Computer Engineering.** The University of North Carolina at Charlotte invites applications for three positions in Computer Engineering at the rank of Assistant, Associate, or Full Professor to begin Fall 2004. Candidates in all research areas related to Computer Engineering will be considered. Applicants must have a Ph.D. degree or equivalent. Rank and salary are commensurate with experience. Screening will begin on January 1. Additional information on these positions, including the application process, can be found at <http://www.ece.uncc.edu>. The University of North Carolina at Charlotte is an AA/EOE employer.

**UNIVERSITY OF CALIFORNIA, IRVINE, Tenure-Track Faculty Positions, School of Information & Computer Science.** The School of Information and Computer Science (ICS) at the University of California, Irvine (UCI) is seeking excellent candidates for tenure-track positions in the following areas: A. Ubiquitous Computing, B. Software Engineering, C. Information Retrieval, Access, & Management, D. Scientific Computing, E. Networked Systems. These positions are for appointment in July 2004 and are at the rank of assistant professor, although exceptional candidates at all ranks will be considered. The School of ICS expects to grow substantially over the next decade and to recruit new faculty each year. Thus, outstanding candidates in other research areas are encouraged to contact us. ICS is also recruiting Distinguished Professors in a broad range of areas. UC Irvine is targeted as a growth campus for the University of California. It is one of the youngest UC campuses, yet ranked 12th among public universities by US News & World Report. Salary and other compensation (including priority access to on-campus faculty housing) are competitive with the nation's finest public universities. For a view of UCI, see <http://www.uci.edu>. The School of ICS is one of nine academic units at UC Irvine and was recently elevated to an independent school by the UC Regents. With approximately 2200 undergraduates, 330 graduate students, and 50 faculty members, ICS is the largest computing program

within the UC system as well as the fastest-growing major at UCI. ICS' mission is to lead the innovation of new information and computing technology and study its economic and social significance while producing an educated workforce to further advance technology and fuel the economic engine. The School of ICS has excellent faculty, innovative programs, high quality students and outstanding graduates as well as strong relationships with high tech industry. For a perspective on ICS, see <http://www.ics.uci.edu>. Applicants should have a Ph.D. in Computer Science or a related field and show strong teaching and research potential evidenced by scholarly publications. Senior applicants must also demonstrate a proven track record in funded research activities. Screening will begin immediately upon receipt of completed application. Maximum consideration will be given to applications received by January 15, 2004. Applications will be accepted until relevant positions are filled. Electronic application is highly preferred; instructions can be found at <http://www.ics.uci.edu/about/jobs>. Paper applications should include a cover letter indicating the area of primary research, a CV, three recent publications, and letters from three to five references, and should be sent to (specifying position letter): Faculty Recruiting, Area <A | B | C | D | E>, School of Information and Computer Science, University of California, Irvine, Irvine, CA 92697-3425. The University of California, Irvine is an equal opportunity employer committed to excellence through diversity, has a National Science Foundation Advance Gender Equity Program, and is responsive to the needs of dual career couples.

**UNIVERSITY OF WASHINGTON, Tenure-Track, Research, and Teaching Faculty.** The University of Washington's Department of Computer Science & Engineering has one or more open positions in a wide variety of technical areas in both Computer Science and Computer Engineering, and at all professional levels. A moderate teaching load allows time for quality research and close involvement with students. Our recent move into a beautiful new building, the Paul G. Allen Center for Computer Science & Engineering, allows many opportunities for new projects and initiatives. Information about the department can be found on the web at <http://www.cs.washington.edu>. We welcome applicants in all CSE research areas (but especially candidates whose research interests include hardware). We expect candidates to have a strong commitment both to research and to teaching. The department is primarily seeking individuals at the Assistant Professor

rank; however, under unusual circumstances and commensurate with the qualifications of the individuals, appointments may be made at the rank of Associate Professor or Professor. We are also seeking non-tenured Research Assistant Professors and Lecturers. Applicants for the tenure-track and research positions must have earned a doctorate by the date of appointment; those for the lecturer position must have earned at least a Master's degree. Please apply online at <http://www.cs.washington.edu/news/jobs.html>, or if web access is impossible, send a letter of application, a resume, statement of research and teaching interests, and the names of four references to: Faculty Recruiting Committee, Computer Science & Engineering, University of Washington, Box 352350, Seattle, WA 98195-2350. Applications received by January 30, 2004 will be given priority consideration. The University of Washington is a recipient of a new National Science Foundation ADVANCE Institutional Transformation Award to increase the participation of women in academic science and engineering careers. We are building a culturally diverse faculty and encourage applications from women and minority candidates. The University of Washington is an affirmative action, equal opportunity employer.

**UNIVERSITY AT BUFFALO, The State University of New York, Faculty Positions in Computer Science and Engineering.** The Department of Computer Science and Engineering (CSE) invites faculty applicants in all areas of CSE. We especially solicit applicants in biometrics and bioinformatics, high-performance computing, multimedia, and security. The Department has added nine new faculty members in the last three years. Our faculty are affiliated with several research centers of excellence, and have generated \$12 million external funding in the last one year. Junior candidates are expected to have a Ph.D. in Computer Science/Engineering or related field by August 2004, with a good publication record and potential for developing an externally funded research program. Senior candidates are expected to have an excellent record of publications and funded research as well as international stature commensurate with rank. All applications should include a cover letter, curriculum vitae, and the names of at least three references; applicants for senior positions should have five references. All applicants should have letters of reference sent to the address below. The due date for applications and letters of reference is January 2, 2004. Chair, Faculty Search Committee, Department of Computer Science and Engineering, 201 Bell Hall, University at Buffalo, Buffalo, NY 14260-2000. Email:

[cse-search@cse.buffalo.edu](mailto:cse-search@cse.buffalo.edu). For more information about the department, the university, the city of Buffalo and Western New York, please visit our website, <http://www.cse.buffalo.edu>. The University at Buffalo is an Equal Opportunity Employer/Recruiter.

**UNIVERSITY OF ILLINOIS AT CHICAGO.** The ECE Department at the University of Illinois at Chicago is in a major expansion and invites applications for Assistant, Associate, and Full Professors as well as Lecturers in Computer Engineering. Candidates in the areas of Computer Architecture, Embedded System-on-Chip, High-Performance System, Information Security, and VLSI/CAD are especially encouraged to apply. A Ph.D. in Computer Engineering/Electrical Engineering or a closely related field is required. Applicants for junior positions should demonstrate a strong research potential. Applicants for senior positions are expected to have a record of outstanding research and teaching accomplishment. The University of Illinois at Chicago is one of four Carnegie Foundation Research-I universities in the State of Illinois and the largest institution of higher education in the Chicago area with an annual operating budget in excess of \$1 billion. The ECE Department is one of the leading research departments at UIC and is awarded over \$5 million dollars annually in external research grants. The Department has about 30 faculty members among them 13 are IEEE Fellows and offers B.S., M.S., and Ph.D. degrees to over 800 undergraduate students and over 400 graduate students. Chicago offers rich opportunities for collaboration with other universities, national research laboratories, and a growing high-tech industry. Chicago offers all the cultural amenities of a major city, a wide range of affordable housing, and plenty of job opportunities. Applicants should send a resume with the names and addresses of at least three references to: Chair, Faculty Search Committee, ECE Department (M/C 154), University of Illinois at Chicago, 851 South Morgan St., Chicago, IL 60607-7053. For fullest consideration, applications must be received no later than January 15, 2004. However, applications will be considered until all positions are filled. The University of Illinois at Chicago is an Affirmative Action/Equal Opportunity Employer.

**TUFTS UNIVERSITY.** The Department of Computer Science at Tufts University invites applications for two tenure-track or tenured faculty positions to commence in Summer or Fall 2004. For the first, we seek outstanding candidates in all applied areas of computer science,

and especially welcome candidates with research and teaching interests in computer systems and systems-related areas such as software engineering, networking, and computer graphics. For the second, we seek someone in Computational Biology or Bioinformatics, who can build interdisciplinary collaborations between different Tufts Arts, Sciences, and Engineering departments, and/or with the Tufts Medical or Veterinary Schools. For more information about the department, these positions, and instructions on how to apply, please visit <http://www.cs.tufts.edu/facultysearch04>. Screening of applications will begin January 1, 2004, and continue until the position is filled; all applications received by February 1, 2004 are assured of full consideration. Please indicate clearly if you are applying for the general Computer Science position or the Bioinformatics position. Tufts University is an Affirmative Action/Equal Employment Opportunity Employer. The Tufts Engineering School is considered to be a leader in creating an excellent atmosphere for women faculty, and faculty members of color, who are warmly encouraged to apply.

**THE UNIVERSITY OF TEXAS AT ARLINGTON, Computer Science and Engineering Department, Faculty Openings for Fall 2004.** 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: computer security; bioinformatics, software engineering; pervasive computing; multimedia and video processing; 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. We are in the Fourth year of our "Top 25 Initiative" plan to reach a national top 25 ranking within 10 years. The initiative is strongly supported by all CSE@UTA stakeholders including the UTA administration, faculty, students and alumni, and industry partners. Since 2000, we have added 8 new tenure track faculty and 5 new full-time non-tenure track faculty to our roster of 38 full-time faculty. The number of our PhD students has more than doubled since 2000 and the actively funded research awards exceeded \$5.8 million

in 2002-03 academic year. 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 opening is anticipated for September 2004. Screening of applications will begin immediately and will continue until all positions are filled. Interested persons should submit a letter of application, a resume, and reference letters online at: <http://www.cse.uta.edu/application/>. Please note that we do not accept hardcopy submissions. For additional information, please contact: Dr. David Kung, Chair of Search Committee, Department of Computer Science and Engineering, The University of Texas at Arlington, Phone: 817-272-3605, FAX: 817-272-3070, Email: [search@cse.uta.edu](mailto:search@cse.uta.edu); <http://www.cse.uta.edu>. The University of Texas at Arlington is an Equal Opportunity/Affirmative Action Employer.

**NORTHWESTERN UNIVERSITY.** Applications are invited for tenure-track faculty positions starting September 1, 2004 in the Department of Electrical and Computer Engineering of the Robert R. McCormick School of Engineering and Applied Science at Northwestern University. We have needs in the following areas: Solid State and Photonics, with an emphasis on nanotechnology; Systems, with an emphasis on networks and communications; Computer Engineering, with an emphasis on computer architecture. The candidates must have a Ph.D. or equivalent in Electrical and Computer Engineering or Computer Science, and will be expected to teach three to four quarter courses per year, perform research, and supervise graduate students. We are primarily looking for candidates at the Assistant Professor level (except in the Solid State and Photonics area, where we are searching for a senior faculty member); however, outstanding candidates at the Associate and Full Professor levels will also be considered. The ECE department has 31 full-time faculty members, 250 undergraduate and 120 graduate students, and many state-of-the-art laboratory facilities. The department offers B.S., M.S., and Ph.D. degrees in both Electrical Engineering and Computer Engineering. For more information about the department, please check: <http://www.ece.northwestern.edu>. Northwestern University is an Affirmative Action/Equal Opportunity Employer. Applications from women and minorities are especially encouraged. Hiring is contingent upon eligibility to work in the United States. The deadline for applications is February 1, 2004; however, the

search will continue until the positions are filled. Please send a resume and names of at least five references to: Professor Prith Banerjee, Chairman, Department of Electrical and Computer Engineering, Northwestern University, 2145 Sheridan Road, Evanston, IL 60208-3118. EMAIL: [banerjee@ece.northwestern.edu](mailto:banerjee@ece.northwestern.edu). Phone: (847) 491-3641.

**PROGRAMMER ANALYST.** BA in Computer Science Engineering or equiv req. Send ad w/resume to: Sitelite Holding, 111 Theory, 2nd Floor, Irvine, CA 92612.

**CORNELL UNIVERSITY, School of Electrical and Computer Engineering - Computer Systems.** The School invites applications from exceptional candidates for tenure-track faculty positions at all levels in computer engineering and computer systems. We especially seek individuals who want to build systems that apply leading-edge computer technology to current problems in electrical engineering, such as, but not limited to, information processing, communications, sensing, biotechnology, and nanotechnology. Although we are particularly looking for applicants in computer systems, our search is not restricted to these areas. We will consider applications from outstanding candidates in all areas of Electrical and Computer Engineering. Applicants must have demonstrated excellence in research and have the ability to develop an independent research program, as well as a strong interest in teaching at both the undergraduate and graduate level. Applicants are expected to hold a Ph.D. degree. Further information on the School can be found at <http://www.ece.cornell.edu>. A letter of application, professional resume, statement of research and teaching goals, along with the names and contact information of at least four references should be submitted to: Professor Clifford R. Pollock, Director, School of Electrical and Computer Engineering, Cornell University, 224 Phillips Hall, Ithaca, NY 14853-5401. Applications received by January 15, 2004 will be assured full consideration. Cornell's College of Engineering is an equal opportunity/affirmative action employer and welcomes nominations of, and applications from, women and underrepresented minorities.

**THE PENNSYLVANIA STATE UNIVERSITY, Department of Computer Science and Engineering, Faculty Position Vacancies.** Applications are invited for several tenure-track faculty positions at all ranks. Outstanding candidates in all areas of computer science and engineering will be considered.

Areas of particular interest are Networking, with an emphasis on systems and security; Software Systems, with an emphasis on operating systems, distributed systems, and embedded systems; Programming Languages; Computer Vision; all aspects of information Security; Computational Science and Engineering, with a focus on multiscale materials modeling and simulation including nanotechnology; VLSI including Analog and Mixed-Mode Circuits; and Bioinformatics. Additional coordinated hiring with the School of Information Sciences and Technology (IST) and the Department of Electrical Engineering is possible. The Department of Computer Science and Engineering (CSE) has 28 collegial, tenure-track faculty. The university is committed to growing the faculty ranks over the next several years. Eight members of our faculty are recipients of the NSF Career Award. Our faculty also received 7 NSF ITR Grants and a \$2.5M Research Infrastructure Grant in recent years. There are state-of-the-art research labs for microsystems design and VLSI, computer vision and robotics, virtual environments, high performance computing, bioinformatics, and networking. The Department offers a graduate program with about 90 Masters students and 90 Ph.D. students, and undergraduate programs with minimum GPA requirements in computer science and computer engineering. By Fall 2003, the Department will move into a new 100,000 square feet building housing both CSE and IST (<http://www.cse.psu.edu/ist.html>). Penn State is a major research university and is ranked second in the nation in industry-sponsored research among universities. US News and World Report consistently ranks PSU's College of Engineering undergraduate and graduate programs in the top 15 of the nation. The university is located the beautiful college town of State College in the center of Pennsylvania. State College has 40,000 inhabitants and offers a variety of cultural and outdoor recreational activities nearby. The university offers outstanding events from collegiate sporting events to fine arts productions. Many major population centers on the east coast (New York, Philadelphia, Pittsburgh, Washington D.C., Baltimore) are only a few hours drive away and convenient air services to several major hubs are operated by three major airlines out of State College. Applicants should hold a Ph.D. in computer science, computer engineering, or a closely related field and should be committed to excellence in both research and teaching. Support will be provided to the successful applicants for establishing their research programs. We encourage dual career couples to apply. Applications should be received by January 31, 2004 to receive full considera-

tion. To apply by electronic mail, send your resume (including curriculum vitae and the names and addresses of at least three references) as a postscript file or pdf file to [recruiting@cse.psu.edu](mailto:recruiting@cse.psu.edu). Applications may also be sent by mail to: Chair, Faculty Search Committee, The Pennsylvania State University, Department of Computer Science and Engineering, 220 Pond Laboratory, Search 015-10, Box CM, University Park, PA 16802-6106 USA. Penn State is committed to Affirmative Action/Equal Opportunity and the diversity of its workforce. For more information about the Department of CSE at PSU, see <http://www.cse.psu.edu>. Click the "Faculty" link under "Employment" to fill out and print an Affirmative Action Applicant Data Card. NOTE: This will require you to have Adobe Acrobat Reader 4.0 or better to download this form and fill it in prior to printing it. This form can then be faxed to the Affirmative Action Office at 814-863-7799.

**UNIVERSITY OF SOUTH CAROLINA, Department of Computer Science and Engineering, Faculty Positions in Computer Science and Engineering.** Applications are invited for tenure-track positions at all levels. Candidates should have a doctorate in computer science, computer engineering, or a related discipline. Candidates for Assistant Professor positions are expected to have strong research potential as well as an interest in teaching at both the undergraduate and graduate level. Candidates for positions above Assistant Professor must possess an exceptional research record. New faculty will receive strong support from the Department as they embark on their professional careers. Candidates from all research areas are welcomed, but those in computational science, especially computational biology/bioinformatics, will receive the greatest attention. The Department of Computer Science and Engineering is in the College of Engineering and Information Technology and offers BE, BS, ME, MS, and Ph.D. degrees to about 600 undergraduate majors and 140 graduate students. With ten new hires in the last three years and continuing hiring planned, the department is experiencing both growth and a renewal of energy and vitality. The University of South Carolina is located in South Carolina's capital and technology center and is the comprehensive graduate institution in the state, with an enrollment of more than 22,000 students. For more information, see [www.cse.sc.edu](http://www.cse.sc.edu). Applicants should submit a curriculum vitae along with the names and addresses of three references to: Chair, Faculty Search Committee, Department of Computer Science and Engineering, University of

South Carolina, Columbia, SC 29208. Electronic applications should be sent to [search@cse.sc.edu](mailto:search@cse.sc.edu). Applicants will be accepted until positions are filled. Foreign nationals should indicate current US immigration status. The University of South Carolina is an affirmative action/equal opportunity employer.

**UNIVERSITY OF CALIFORNIA, SANTA CRUZ, Assistant Professor, Computer Engineering.** The Computer Engineering Department of the Baskin School of Engineering at the University of California, Santa Cruz (UCSC) invites outstanding candidates to apply for a tenure-track Assistant Professor position starting Fall 2003, with the following areas of research interests: (1) embedded systems, (2) computer networks, (3) computer system design, and (4) robotics. The campus is especially interested in candidates who can contribute to the diversity and excellence of the academic community through their research, teaching and service. UCSC is the UC campus nearest to Silicon Valley and has close research ties with the computer industry. Applicants should submit a CV, a statement of research plans, a statement of teaching interests, and ensure that at least three confidential letters of recommendation are sent directly, by the deadline of December 12, 2003. We strongly encourage electronic submission of your materials. Directions are provided at <http://www.soe.ucsc.edu/jobs/>. All letters will be treated as confidential documents; please direct your references to UCSC's confidentiality statement at <http://www2.ucsc.edu/ahr/policies/confstm.htm>. Alternatively, application materials may be mailed to: Computer Engineering Search, Baskin School of Engineering, University of California, Santa Cruz, CA 95064. Please check our web site regularly to see if a potential tenured position is approved for hiring. UCSC is an EEO/AA/IRCA Employer.

**AMERICAN UNIVERSITY OF BEIRUT (AUB).** The Department of Electrical and Computer Engineering at the American University of Beirut (AUB) in Beirut, Lebanon, invites outstanding candidates to apply for positions at the rank of Assistant Professor starting September 15, 2004. Exceptional candidates at higher rank and/or other specialties may also apply. Applicants for visiting positions will also be considered. Applicants should possess a Ph.D. degree in Electrical Engineering/ Electronics Engineering/ Computer Engineering/ Computer Science or a closely related field. Applicants should have experience in performing research and teaching in one of the following areas: System Software, Software Engineering, and Related Areas; Embed-

ded Computing Systems; Computer and Network Security, Cryptography; RF Systems Engineering, Microwave Systems, and EM Applications; Telecommunications with emphasis on Wireless Systems, Optical Systems, and Data Networks; Control Systems; VLSI CAD Tools. The Department offers the degrees of Bachelor of Engineering and Master of Engineering in two majors: Electrical Engineering (EE) and Computer and Communications Engineering (CCE). The Department is planning to introduce a Ph.D. program in the near future. The Department has about 600 undergraduate students and 60 graduate students. Applications must be received by January 15, 2004. Applicants should submit a complete curriculum vitae, a brief statement on teaching and research interests that includes their vision of their teaching and research, and the names, mailing addresses, telephone numbers, and e-mail addresses of at least three references to the Dean, Faculty of Engineering and Architecture, P.O. Box 11-0236, Riad El Solh, Beirut 1107-2020, Lebanon, with a copy to: American University of Beirut, Personnel Services, 3 Dag Hammarskjold, 8th Floor, New York, N.Y. 10017. An electronic copy of the application is also requested to be sent to fea@aub.edu.lb. The American University of Beirut is an Affirmative Action, Equal Opportunity Employer. AUB's home page is available at: <http://www.aub.edu.lb>.

**TUFTS UNIVERSITY.** The Department of Electrical and Computer Engineering at Tufts University invites applications for two tenure-track positions: a junior faculty member at the level of Assistant or Associate Professor and a senior faculty member at level of Associate or Full Professor. The expected starting date is September 2004. The junior position is for a professor with expertise in computer systems engineering and with the potential to develop an active research program. The senior position is for a professor who is a well-established scholar and who can add significantly to the intellectual leadership of the department. The successful candidates must have a Ph. D. in Electrical Engineering, Computer Engineering or a related field and must have a strong commitment to both undergraduate and graduate teaching. Interested persons should send a resume, a statement of research and teaching interests, and the names and contact information for at least three references to: Prof. Joseph Noonan, Chair of the ECE Search Committee, Tufts University, 161 College Ave., Medford, MA 02155. Review of applications will start on November 1, 2003 and will continue until the positions are filled. Tufts University is an Equal Opportunity/Affirmative Action employ-

er. We are committed to increasing the diversity of our faculty. Women and members of underrepresented groups are strongly encouraged to apply.

**INDIANA UNIVERSITY-PURDUE UNIVERSITY FORT WAYNE, Assistant/Associate Professor, Department of Computer Science.** The Department of Computer Science invites applications for tenure-track positions in Computer Science or Information Systems. Outstanding candidates in all areas will be considered. We are especially interested in candidates at the Assistant or Associate Professor level with expertise in graphics, security, networks, or web-enabled systems. A Ph.D in Computer Science, Information Systems, or a closely related field is required. Regular duties include teaching three courses per semester at the undergraduate or graduate levels, carrying out a program of research and publication in the discipline, and participation in departmental affairs. Newly hired candidates will receive a two-year start-up package which depends on their research interests, but may include reduced course load, summer support, and supplementary travel/research funds. Our Department has approximately 350 majors and 50 graduate students. It awards degrees at the Associate, Bachelor and Master's levels. We offer day and evening sections of most courses. The Department and University maintain contemporary computing facilities and laboratories. Salaries are competitive and fringe benefits are excellent. The Department maintains extensive relations with the business and industry community through our Professional Advisory Board. Consulting opportunities with a variety of firms are available. Additional information about the department is available at <http://www.etc.ipfw.edu/cs/>. Review of applications will begin December 1st and will be made on a continuing basis until the positions are filled. Interested candidates should send a vita including the names of three references to David Erbach, Chair, Department of Computer Science, Indiana University-Purdue University Fort Wayne, Fort Wayne, IN 46805-1499. They may also be sent electronically (preferably in .pdf format) to [erbachd@ipfw.edu](mailto:erbachd@ipfw.edu). IPFW is an AA/EEO employer and welcomes applicants of all backgrounds.

**UNIVERSITY OF MARYLAND, COLLEGE PARK, Department of Computer Science.** The Department of Computer Science has several openings for faculty positions effective July 1, 2004. We invite applications from both junior and senior candidates to fill the following positions: 1. Computer Systems,

particularly in operating systems, distributed systems, networks, or security. 2. Perceptual Interfaces, in particular audio user interfaces and audio for virtual environments. 3. Computational biology. This search is being conducted jointly with the Institute for Advanced Computer Studies, and interested candidates can submit their applications either directly to that program (see <http://www.umiacs.umd.edu/research/bioinfo/ad.htm>) or to our Department. 4. At least one, and possibly two, additional positions in any area of computer science including artificial intelligence, databases, scientific computing, human-computer interaction, software engineering, systems and theory. Applications from women and minority candidates are especially welcome. We are pleased to announce that we have been awarded a Clare Booth Luce fellowship to provide both salary support and discretionary funding for an exceptionally qualified junior woman faculty member. The Luce Foundation will participate in the screening of candidates for this prestigious fellowship to ensure that they meet their high standards. Our Department is the only computer science department in the nation to receive such an award for 2004. Candidates with established research programs will be considered for joint appointments between the Department and the Institute for Advanced Computer Studies, the Department of Electrical Engineering, and the Institute for Systems Research. Candidates who are interested should send curriculum vitae, research summary, and the names of at least four references to: University of Maryland, Department of Computer Science, Attention: Recruiting Committee, College Park, Maryland 20742-3255. At the time they apply, candidates should ask their references to send recommendations that address their research and teaching qualifications. We will begin the review of candidates to be interviewed by January 15, 2004; therefore, we encourage your early application. Additional information about academic and research units within the Department of Computer Science at the University of Maryland is available on the World Wide Web: [www.cs.umd.edu](http://www.cs.umd.edu). The University of Maryland is an Equal Opportunity, Affirmative Action Employer.

**COLORADO STATE UNIVERSITY, Tenure-Track Faculty, Department of Computer Science.** The Department of Computer Science at Colorado State University solicits applications for a tenure-track faculty position preferably at the level of assistant professor, beginning Fall 2004. Applicants must have a Ph.D. in computer science or a related field, and demonstrate potential for

excellence in research and teaching. The department has over 600 undergraduate majors and 130 graduate students in Master's and doctoral programs. The department has 17 faculty with strong research programs in artificial intelligence, computer vision, software engineering, security, parallel computation and embedded systems. Colorado State University, with an enrollment of 23,000 students, is located in Fort Collins, Colorado, at the base of the Rocky Mountains, 65 miles north of Denver. More information about the department can be obtained from the department home page at <http://www.cs.colostate.edu>. Applicants should send a curriculum vitae and three reference letters to: Faculty Search Committee, Computer Science Department, Colorado State University, 601 South Howes, Room 211, Fort Collins, Colorado 80523-1873. Electronic applications should be submitted in Adobe Acrobat format. Inquiries should be directed to [faculty-search@cs.colostate.edu](mailto:faculty-search@cs.colostate.edu) or (970) 491-5862. Screening of applications will begin December 1, 2003 and continue until the position is filled. When semifinalists are identified, their files will be open to all faculty in the Department of Computer Science. Colorado State University is an EEO/AA employer. Office of Equal Opportunity: 101 Student Services.

**COLGATE UNIVERSITY, Department of Computer Science.** Colgate University invites applications for a tenure stream position in Computer Science at the rank of Assistant Professor starting in July 2004. A Ph.D. or equivalent with strong interest in both teaching and research are expected. Area of specialty open, but the department is especially

interested in candidates with a specialization in Operating Systems or Databases. The successful applicant will help staff other department courses and will be expected to participate in all-university programs, including the Liberal Arts Core Curriculum. The department has excellent facilities and new faculty receive generous start-up support. Student participation in faculty research programs is encouraged and supported, including student stipends for summer research. Colgate University is a highly competitive liberal arts college situated in upstate New York. The university is committed to promoting excellence in both teaching and research. See more information on the university at [www.colgate.edu](http://www.colgate.edu) and on the department at [cs.colgate.edu](http://cs.colgate.edu). Review of applications will begin January 15 and will continue until the position is filled. Resumes and three letters of recommendation should be sent to: Chris Nevison, Chair; Department of Computer Science; Colgate University; 13 Oak Drive; Hamilton, NY 13346. Colgate University is an Equal Opportunity/Affirmative Action employer. Developing and maintaining a diverse faculty and staff further the University's academic mission.

**MONTCLAIR STATE UNIVERSITY, Department of Computer Science, Assistant Professor in Science Informatics for Tenure Track Position.** The Department of Computer Science invites applications for a tenure track assistant professor in Science Informatics starting September 1, 2004. The Department's 14 faculty support the BS with an ABET CAC accredited track and the MS in Computer Science. Qualifications include work with Object Oriented

technology with C++ or Java, modern architecture (RISC), UNIX, commitment to teach a rich variety of computer science courses to ethnically diverse students, and a PhD in Computer Science or a closely related area. Candidates must have interdisciplinary research or significant experience in computer science and biological sciences to support the evolving College of Science and Mathematics' Science Informatics Program. Faculty are expected to have an ongoing research plan, to commit to quality teaching, to be involved in professional activities, and to pursue grants. Screening begins immediately and continues until the position is filled. Montclair State University is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply. The position is subject to available funding. Candidates should send a resume, statement of research interests, teaching philosophy, and professional goals to Dr. Dorothy Deremer, Chairperson, Department of Computer Science - RI-301 (F27), Montclair State University, Upper Montclair, NJ 07043.

**IOWA STATE UNIVERSITY.** Iowa State University, Department of Electrical and Computer Engineering invites applications for tenure track faculty position at all levels to support the University's initiative to strengthen information technology research. Duties and responsibilities will include: 1) Quality teaching activities at the undergraduate and graduate level, 2) potential to pursue research at the leading edge in software systems or related area and publish results in leading journals and conferences, 3) Guide graduate and undergraduate students, 4) Seek, establish, and maintain external research funding, 5) Build a research group and participate in outreach activities. The responsibilities of this position will require the ability to work with others within and outside the software systems and related areas. Position requirements are: 1) PhD in Computer Engineering, Computer Science, or related field, 2) PhD work in the area of software systems and networks or related area, 3) Demonstrated potential for leadership in professional activities in the area of specialty. Senior level candidate must have a strong record in research and scholarship and must have national and international acclaim in their areas of expertise commensurate with the level of the position they are seeking. Send letter of application with resume and names and address of at least three references to Arun K. Somani, Chair, Electrical and Computer Engineering Department, Iowa State University, 2215 Coover Hall, Ames, Iowa 50011-3060. Electronic submissions may be sent to [wbucklin@ia.state.edu](mailto:wbucklin@ia.state.edu). ISU is an EO/AA employer.

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