

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

PURDUE UNIVERSITY, 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 sys-

tems, 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 accom-



The **B. Thomas Golisano College of Computing and Information Sciences (GCCIS)** is pleased to invite applications for tenure-track Assistant and Associate Professor positions in its Computer Science, Information Technology, and Software Engineering departments starting September 2004. Successful candidates should possess the Ph.D. in one of the specified fields or closely related area; they should have interests in teaching and research, and should have an ability to contribute in meaningful ways to the Institute's commitment to cultural diversity and pluralism. Exceptional candidates will be considered for the rank of Full Professor. Additional departmental requirements include:

- **Computer Science (CS):** Candidates should have an interest in intelligent systems in computer vision or machine learning, security, data mining, or human-computer interfaces.
- **Information Technology (IT):** Candidates should have strengths in one or more of the following areas: network design and protocols, database design and application development, security, gaming, visual object-based development, web and multimedia development, and computer-mediated experiences.
- **Software Engineering (SE):** Candidates must have a deep interest in education at the masters and undergraduate levels as well as a strong desire to conduct research on software process, software architectures and design, software quality assurance, software construction, and secure systems. Professional experience developing software is desirable.

GCCIS (www.rit.edu/~gccis) is RIT's newest college at the 1,300-acre suburban university located in Rochester, New York, just 90 minutes from Niagara Falls, 3 hours from Toronto, and 6 hours from NYC. In addition to CS, IT, and SE, the college is home to the **Lab for Applied Computing**, the research arm of the college. The college, with 90+ faculty members, is housed in a new 126,500 square foot state-of-the-art building with 13 classrooms, student team rooms, and laboratories, including specialty labs for security, vision, embedded systems, networking, systems administration, and streaming multimedia. Our 2,300 undergraduate students are enrolled in BS programs in IT, Applied Networking and System Administration, IT New Media, Computer Science, and Software Engineering. Our 600 graduate students are enrolled in IT, Software Development & Management, and Computer Science MS programs.

Interested applicants should submit the following information to the email address below by January 30, 2004: a summary of education and professional background, a current list of publications, a summary of teaching and research experience, the names of three references, and a brief description of future research plans. Please indicate for which department(s) you would like your application to be considered.

B. Thomas Golisano College of Computing and Information Sciences

Dean's Office - Faculty Search Committee
Rochester Institute of Technology
20 Lomb Memorial Drive, Rochester, NY 14623
Email: Faculty_Search@gccis.rit.edu

R·I·T*"providing career education over a lifetime"*

RIT is an Affirmative Action/Equal Employment Opportunity Employer.

moderate 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 fac-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.

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 department. 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 Institute of Information Science at Academia Sinica, Taiwan, R.O.C. invites suitable candidates to apply for the positions of postdoctoral fellows and junior and senior research fellows (equivalent to the rank of full professors and tenured associate professors) in all areas of Computer Science, particularly in Algorithms and Computation Theory, Software Systems,

Networks and Communications, Artificial Intelligence, Human-Machine Interface and Interaction, Speech and Digital Signal Processing, System-on-Chip, VLSI Design and CAD, Internet Technology, E-commerce, and Chinese Specific Problems for Computers.

Academia Sinica, led by Nobel laureate Dr. Yuan-Tseh Lee, is the national academic research institution in Taiwan on various subjects in science and humanities. The Institute of Information Science is committed to quality research in computer and information science. Full-time research fellows in the institute have no teaching obligation. Current research activities are focused on Algorithms and Computation Theory, Biological Computing, Chinese Information Processing, Cognitive Science, Intelligent Systems and Computer Vision, Operating Systems and Networking, Parallel Computing, Software Methodologies, Knowledge Management, E-commerce, Bio-informatics, Wireless Internet and other Internet related research.

All candidates should have a Ph.D. degree in computer science or closely related fields with good research background and publication records. Senior candidates must demonstrate a strong leadership and have an international reputation as evidenced by publications, patents, industrial practical experience, or other academic and scholarly achievements.

Salary is based on individual qualification. Additional salary support from the Advancement of Outstanding Scholarship is available on application for senior applicants with exceptional qualifications. In addition to the budgeted research funding supported by Academia Sinica, external funding through government agencies and industry-sponsored institutions is also available.

All candidates should send a detailed curriculum vitae, copies of selected publications, at least 2 recommendation letters, and a doctoral degree certificate or a letter indicating (potential) completion of the degree requirement to:

Dr. Tsan-sheng Hsu, Deputy Director
Institute of Information Science
Academia Sinica
Nankang 115, Taipei, Taiwan
TEL: 886-2-2788-3799 ext. 1701
FAX: 886-2-2782-4814
E-mail: tshsu@iis.sinica.edu.tw

Fluency in Chinese will be an advantage. The deadline for applications is **January 31, 2004**. For additional information, please see <http://www.iis.sinica.edu.tw>

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 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 pro-

grams. 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. 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. 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.

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. BYU is an EEO/AA employer with preference for LDS candidates.

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 appli-



THE UNIVERSITY OF TEXAS AT DALLAS ERIC JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE DEPARTMENT OF COMPUTER SCIENCE Faculty Positions – Network Security and Information Assurance

The Department of Computer Science of the University of Texas at Dallas, invites applications for tenure track faculty positions in Network Security and Information Assurance and related areas at the associate or full professor levels, starting Spring, Summer or Fall 2004. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. Candidates should have a strong record of research, teaching, and external funding. A significant start-up package has been budgeted for these positions.

The Department offers Ph.D. degrees in Computer Science, Software Engineering; M.S. Degrees in Computer Science with emphases (tracks) on Networks and Telecommunications, Traditional Computer Science, Intelligent Systems, and a Major in Software Engineering; Bachelor's degrees in Computer Science, Software Engineering (the first in the State of Texas). In addition, the department is part of Ph.D. and master's programs in two interdisciplinary fields, Computer Engineering and Telecommunications Engineering, whose faculty consists of members from Computer Science and Electrical Engineering. Currently the Department has a total of 40 tenure-track faculty and 17 senior lecturers. In Fall 2002, the Department of Computer Science moved into a new 152,000 sq. ft. building. In addition to individual faculty workstations, the department has many computer/research laboratories, equipped with around 300 high performance workstations and high-end PCs. The Academic Computer Center supports both UNIX based workstations and PCs as well as high-speed dial-in access to campus computing facilities.

The University is located in the most attractive suburbs of the Dallas metropolitan area. There are over 900 high-tech companies within 5 miles of the campus, including Texas Instruments, Nortel Networks, Alcatel, Ericsson, Hewlett-Packard, Nokia, Fujitsu, MCI, EDS, and Perot Systems. Almost all the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Jonsson School has experienced very rapid growth in recent years and will become a top-ranked engineering school in the next five years. The Jonsson School is strengthening and expanding its programs by recruiting outstanding faculty and Ph.D. students, increasing funded research, and establishing new programs. The Jonsson School will benefit from a \$300 million program of funding from public and private sources over the next five years (see www.utdallas.edu/utdgeneral/news/).

For informal inquiries, contact Dr. D.T. Huynh, Department Head, at 972-883-2169 or view the Internet Web page at <http://www.utdallas.edu/dept/cs/>. The search committee will begin evaluating applications as soon as possible and will continue until the positions are filled.

Applicants should mail their resume with a list of at least five academic or professional references to:

Academic Search #753D
The University of Texas at Dallas
P.O. Box 830688, M/S AD 23
Richardson, TX 75083-0688.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.



INDIANA UNIVERSITY

Indiana University Bloomington School of Informatics
Tenure-track faculty positions starting Fall 2004

The School of Informatics is the most important academic initiative at Indiana University in the past 30 years. Informatics is the study of information and information technology in its applied and social contexts.

The State of Indiana has committed new base funding that will allow the School to hire as many as 60 additional faculty over the next few years, 35 on the Bloomington campus. Our current faculty are strong researchers committed to teaching and mentoring, holding prestigious recognitions such as ACLS, Fulbright and NSF Career Awards, and memberships such as the CRA Board and the NSF CISE Directorate Advisory Committee. Their specialties include bio- and chemical informatics, human-computer interaction design, Web, text, and data mining, social and organizational informatics, and logical and mathematical foundations of informatics. Tenure-track positions at all ranks are available in these areas as well as in cybersecurity, music informatics, informatics of other scientific disciplines, new media, complex systems, modeling and simulation, and ethics and professionalization.

The School has strong ties to Computer Science, natural science departments, and other units at IU; joint appointments are possible. We have excellent work conditions including low teaching loads, attractive salaries, and world-class computing and library facilities. Located on the rolling wooded hills of southern Indiana, Bloomington is a culturally thriving college town with moderate cost of living.

We especially encourage applications from small research teams who wish to collaborate with one another at IU in the School of Informatics. Each candidate should apply separately, and include in their statement the rationale for hiring the entire group. Applicants should submit a curriculum vitae, a statement of research and teaching, and the names of three references (six for associate and full professors) online at

informatics.indiana.edu/positions

Review of applications will begin immediately; the search will remain open until the positions are filled. Indiana University is an equal opportunity / affirmative action employer.

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 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 (CenSSIS). 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

D. E. Shaw Research and Development

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 eesc@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

cant 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 com-

puter 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 information 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. 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.



ARIZONA STATE UNIVERSITY

ARIZONA STATE UNIVERSITY Computer Science and Engineering Department

The Department of Computer Science and Engineering in the Ira A. Fulton School of Engineering at Arizona State University has tenure-track faculty positions open at the assistant and associate professor levels. Applications for these positions are invited.

The expected starting date for this position is August 16, 2004. Applicants are required to have completed their Ph.D. in computer science, computer engineering, or a closely related field by the date of appointment. Applicants at the assistance professor level must show evidence of exceptional promise in research and teaching. Applicants at the associate level must demonstrate established excellence in research and teaching appropriate to the rank. Evidence of interest in computer graphics, computer aided and geometric design, multimedia, human computer interaction and related areas is desired.

ASU is a major research university widely recognized as a rapidly emerging educational institution in the US. The main campus is located in the city of Tempe, in the metropolitan Phoenix area. This year the Ira A. Fulton School of Engineering received a \$50 million gift, which will provide funding for scholarships, fellowships, and research programs. The Department of Computer Science and Engineering provides a stimulating and fast-growing environment of research and teaching, with ample opportunities for partnerships with high-technology industry and with emphasis on quality, leading-edge graduate and undergraduate education. The department is in active collaboration with various interdisciplinary research centers, including the Partnership for Research in Spatial Modeling (PRISM), the Center for Ubiquitous Computing (CUbiC), and the Arts, Media, and Engineering Center (AME). These centers invest funds to develop research facilities and educational laboratories in addition to the extensive funding of research projects and curriculum development projects at ASU. Most of this funding has been supplemented by other funding from State of Arizona and federal agencies to create new capabilities for students, faculty, and researchers. For more information about the department, refer to the website:

<http://cse.asu.edu>

Initial closing date for the applications is January 15, 2004, if not filled, applications received after that date will be reviewed bi-weekly until the search is closed. Application packages must include a cover letter, detailed curriculum vitae, research and teaching statements, hard copies of the most important publications, and the names, addresses, and telephone numbers of four references. Nominations and application packages must be sent by regular post to:

**Chair of Faculty Search Committee,
Department of Computer Science and Engineering Department
Arizona State University,
PO Box 878809
Tempe, AZ, 85287-8809**

ASU is an equal opportunity, affirmative action employer.

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. 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 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 posi-

tions 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

THE UNIVERSITY OF TEXAS AT DALLAS
ERIC JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
Faculty Positions – Human Language Technology



The Department of Computer Science of the University of Texas at Dallas, invites applications for tenure track faculty positions in Human Language Technology and related areas including a distinguished assistant professor position, starting Spring, Summer or Fall 2004. This unique position carries with it a fellowship well into six figures over the six-year term of the appointment. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. Candidates should have a strong potential for excellence in research, teaching, and external funding.

The Department offers Ph.D. degrees in Computer Science, Software Engineering; M.S. Degrees in Computer Science with emphases (tracks) on Networks and Telecommunications, Traditional Computer Science, Intelligent Systems, and a Major in Software Engineering; Bachelor's degrees in Computer Science, Software Engineering (the first in the State of Texas). In addition, the department is part of Ph.D. and master's programs in two interdisciplinary fields, Computer Engineering and Telecommunications Engineering, whose faculty consists of members from Computer Science and Electrical Engineering. Currently the Department has a total of 40 tenure-track faculty and 17 senior lecturers. In Fall 2002, the Department of Computer Science moved into a new 152,000 sq. ft. building. In addition to individual faculty workstations, the department has many computer/research laboratories, equipped with around 300 high performance workstations and high-end PCs. The Academic Computer Center supports both UNIX based workstations and PCs as well as high-speed dial-in access to campus computing facilities.

The University is located in the most attractive suburbs of the Dallas metropolitan area. There are over 900 high-tech companies within 5 miles of the campus, including Texas Instruments, Nortel Networks, Alcatel, Ericsson, Hewlett-Packard, Nokia, Fujitsu, MCI, EDS, and Perot Systems. Almost all the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Jonsson School has experienced very rapid growth in recent years and will become a top-ranked engineering school in the next five years. The Jonsson School is strengthening and expanding its programs by recruiting outstanding faculty and Ph.D. students, increasing funded research, and establishing new programs. The Jonsson School will benefit from a \$300 million program of funding from public and private sources over the next five years (see www.utdallas.edu/utdgeneral/news/).

For informal inquiries contact Dr. D.T. Huynh, Department Head, at 972-883-2169 or view the Internet Web page at <http://www.utdallas.edu/dept/cs/>. The search committee will begin evaluating applications as soon as possible and will continue until the positions are filled.

Applicants should mail their resume with a list of at least five academic or professional references to:

Academic Search #753B
The University of Texas at Dallas
P.O. Box 830688, M/S AD 23
Richardson, TX 75083-0688.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.

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. 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, 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



ARIZONA STATE UNIVERSITY

ARIZONA STATE UNIVERSITY Computer Science and Engineering Department

The Department of Computer Science and Engineering in the Ira A. Fulton School of Engineering at Arizona State University seeks to fill a position in the area of embedded systems at the rank of full professor. The expected starting date for this position is August 16, 2004. Nominations and applications for this position are invited.

Applicants are required to have completed their Ph.D. in computer science, computer engineering, or a closely related field by the appointment date. Evidence of research/scholarly activity, teaching and service in computer science and engineering appropriate to the rank are required qualifications. Evidence of scientific, academic and organizational leadership, educational innovation, and demonstrated effectiveness in establishing industry partnerships. Evidence of interest in embedded systems and related areas is desired.

ASU is a major research university widely recognized as a rapidly emerging educational institution in the US. The main campus is located in the city of Tempe, in the metropolitan Phoenix area. This year the Fulton School of Engineering received a \$50 million gift, which will provide funding for scholarships, fellowships, and research programs. The Department of Computer Science and Engineering provides a stimulating and fast-growing environment of research and teaching, with ample opportunities for partnerships with high-technology industry and with emphasis on quality, leading-edge graduate and undergraduate education.

The department is an active partner in the Consortium for Embedded and Inter-Networking Technologies (CEINT) whose members include Intel and Motorola. CEINT is a unique national model for private/public collaboration between higher education institutions and leading technology businesses. The objectives of the Consortium are to develop globally recognized centers of excellence in embedded technologies and to better prepare university graduates to enter the fast-changing world of embedded and inter-networking technologies. CEINT recently received a 2-year renewal at \$3.25 Million. These funds are used to sponsor cutting-edge research in targeted areas of embedded systems and inter-networking technologies, develop research facilities and educational laboratories, and curriculum development projects at ASU.

For more information about the Department of Computer Science and Engineering Department refer to the website:

<http://cse.asu.edu>

Closing date for the nominations is December 15, 2003. Initial closing date for the applications is January 15, 2004, if not filled, applications received after this date will be reviewed bi-weekly until the search is closed. Application packages must include a cover letter, detailed curriculum vitae, research and teaching statements, hard copies of the most important publications, and the names, addresses, and telephone numbers of four references. Nominations and application packages must be sent by regular post to:

**Chair of Faculty Search Committee,
Department of Computer Science and Engineering
Arizona State University,
PO Box 878809,
Tempe, AZ, 85287-8809.
AA/EOE**

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 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.

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 inter-



Fraunhofer Gesellschaft



TECHNISCHE
UNIVERSITÄT
DARMSTADT

Die Technische Universität Darmstadt und die Fraunhofer-Gesellschaft wollen in einem gemeinsamen Berufungsverfahren - voraussichtlich zum Sommersemester 2005 - besetzen:

Professur (C4) für Informatik

in Personalunion mit der

Leitung des Fraunhofer-Instituts für Integrierte Publikations- und Informationssysteme IPSI in Darmstadt

(Nachfolge Prof. Dr. Erich J. Neuhold)

Die Technische Universität Darmstadt und das Fraunhofer-Institut für Integrierte Publikations- und Informationssysteme wollen enge wissenschaftliche und persönliche Verbindungen fortsetzen. Mit der Verknüpfung von Universitätsprofessur und Institutsleitung sowie der gemeinsamen Nutzung von Ressourcen sollen die praxisnahe Ausbildung von Studierenden und Graduierten sowie die wirtschaftswirksame Umsetzung von Forschungsergebnissen gefördert werden.

Im Fachbereich Informatik sollte die Forschung in den Gebieten Content Engineering (z.B. Cross Media Publishing, Inhaltsproduktion für e-learning und neue Medien) oder Kognitive Systeme (z.B. verteilte intelligente Agentensysteme, Ontologien und semantische Netze, multilinguale Informationssysteme) angesiedelt sein. In der Lehre wird die Beteiligung an den allgemeinen Lehrangeboten des Fachbereichs erwartet.

Die Professur ist in Personalunion mit der Leitung des Fraunhofer-Instituts für Integrierte Publikations- und Informationssysteme IPSI verbunden (Nachfolge Prof. Dr. Neuhold). Die Themengebiete des Instituts sind im Rahmen der Auftrags- und Vorlauforschung marktorientiert fortzuentwickeln.

Gesucht werden Persönlichkeiten aus Hochschule oder Industrie, die in einem oder mehreren der genannten Gebiete herausragend wissenschaftlich qualifiziert sind (nachgewiesen durch Habilitation oder äquivalente Leistungen). Daneben werden didaktische Eignung sowie unternehmerische Kompetenz zur Führung eines Instituts der angewandten Forschung erwartet. Es gelten ferner die Einstellungs Voraussetzungen des §71 HHG.

Die Technische Universität Darmstadt und die Fraunhofer-Gesellschaft streben eine Erhöhung des Anteils der Frauen am Personal an und fordern deshalb besonders Frauen auf, sich zu bewerben. Schwerbehinderte werden bei gleicher Eignung bevorzugt.

Bewerbungen werden in zweifacher Ausfertigung bis zum 15. Dezember 2003 erbeten an den
**Dekan des Fachbereichs Informatik
Technische Universität Darmstadt,
Wilhelminenstrasse 7, 64283 Darmstadt**
oder an den
**Präsidenten der Fraunhofer-Gesellschaft
Herrn Prof. Dr.-Ing. habil. Hans-Jörg Bullinger
Hansastrasse 27c, 80686 München**

COLLEGE OF ENGINEERING FACULTY POSITIONS

Embry-Riddle Aeronautical University, College of Engineering - Daytona Beach, FL, invites applications for faculty positions at all ranks for a startup date of January or August 2004. We are currently seeking faculty with interest and expertise in several areas including: Aerospace Structures, Propulsion Systems, Aerodynamics and Acoustics, Computer Engineering, and Software Engineering.

Required qualifications include a Ph.D. in the appropriate engineering field. Post-doctoral or industrial research experience is desired.

The successful candidate is expected to have a strong commitment to undergraduate and graduate teaching and to develop an externally funded research program that supports graduate students and leads to national and international recognition. The College of Engineering has over 50 faculty members, an undergraduate enrollment of over 1500 students, and a graduate enrollment of about 100 students. Additional information on the college is available at: www.erau.edu/0Universe/10/academicorgs/dbcoe/index.html

Applications must include a cover letter indicating your area of interest; curriculum vita; your plan for developing an externally funded research program, and a list of five references including their telephone numbers and email addresses.

Send applications to: Embry-Riddle Aeronautical University, H.R. Dept. - Chair of Faculty Search Committee - Engineering, 600 S. Clyde Morris Blvd. Daytona Beach, FL 32114. Fax: (386) 323-5060 Email: jacobska@erau.edu



**EMBRY-RIDDLE
AERONAUTICAL UNIVERSITY**

www.erau.edu

ERAU is an equal opportunity employer and encourages applications from women, minorities, and people with disabilities.

est 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 multi-scale 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

FACULTY POSITION

The Digital Technology Center (DTC) at the University of Minnesota in conjunction with the Department of Electrical & Computer Engineering (ECE) invite applications for a faculty position at the rank of Assistant or Associate Professor. We are looking for applicants with background in signal processing and/or information theory and coding and demonstrated interest in interdisciplinary work. Examples of application areas of particular interest include bioinformatics, networking and networked multimedia and sensor systems. Applicants must possess an outstanding record of scholarly achievements and a strong commitment to undergraduate and graduate education. A Ph.D. in electrical engineering or a closely related field is required. Please see www.dtc.umn.edu for complete details.

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

**Prof. Tom Luo, 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.

Review of completed applications will begin immediately with the search remaining open until the position is filled.

UNIVERSITY OF MINNESOTA

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

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 consideration. 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. 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.

STATE UNIVERSITY OF NEW YORK, COLLEGE AT BROCKPORT. Applications are invited for two faculty positions in the Department of Computer Science beginning Fall 2004. One appointment is expected to be at the Assistant Professor rank. Doctoral degree in Computer Science, or doctoral degree in a closely related discipline with master's level expertise in CS is required at the time of appointment for Assistant Professor rank. The second position may be at the Instructor or Lecturer rank. Master's degree in Computer Science and experience in undergraduate teaching is required for the Instructor or Lecturer rank. The assistant professor and instructor ranks are tenure-track; the Lecturer rank is not tenure-track. All specialties will be considered but preference will be given to E-commerce, Computer Security, Systems Analysis, Operating Systems, Multimedia Systems, Data Structures, and Programming Languages. SUNY Brockport is a liberal arts college offering an under-

graduate computer science degree with tracks in traditional computer science (ABET-accredited program) and in the more application-oriented Information Systems. A strong commitment to UG education; ability to teach a wide range of computer science courses at various levels to a culturally diverse student population; promise of continued scholarly activity leading to refereed publications, and active participation in departmental and college service are required. To apply, submit a letter of application indicating rank sought, a resume, statements of teaching philosophy and research plans, copies of transcripts showing highest degree earned and three current letters of reference by the beginning review date, January 15, 2004, to Adrienne Collier, Affirmative Action Office, 421 Allen Administration Building, 350 New Campus Drive, SUNY College at Brockport, Brockport, NY, 14420-2929. Applications will be accepted until positions are filled. For more information contact: T.M. Rao, Computer Science; email: trao@brockport.edu; Tel: (585) 395-5176; FAX: (585) 395-2304; or visit our web site at www.brockport.edu/cs. All

THE UNIVERSITY OF TEXAS AT DALLAS
ERIC JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
Faculty Positions – Bioinformatics and Computational Biology



The Department of Computer Science of the University of Texas at Dallas, invites applications for tenure track faculty positions in Bioinformatics and Computational Biology and related areas at the associate or full professor levels, starting Spring, Summer or Fall 2004. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. Candidates should have a strong record of research, teaching, and external funding. These positions may involve a joint appointment with one of the academic departments in the School of Natural Sciences and Mathematics. A significant start-up package has been budgeted for these positions.

The Department offers Ph.D. degrees in Computer Science, Software Engineering; M.S. Degrees in Computer Science with emphases (tracks) on Networks and Telecommunications, Traditional Computer Science, Intelligent Systems, and a Major in Software Engineering; Bachelor's degrees in Computer Science, Software Engineering (the first in the State of Texas). In addition, the department is part of Ph.D. and master's programs in two interdisciplinary fields, Computer Engineering and Telecommunications Engineering, whose faculty consists of members from Computer Science and Electrical Engineering. Currently the Department has a total of 40 tenure-track faculty and 17 senior lecturers. In Fall 2002, the Department of Computer Science moved into a new 152,000 sq. ft. building. In addition to individual faculty workstations, the department has many computer/research laboratories, equipped with around 300 high performance workstations and high-end PCs. The Academic Computer Center supports both UNIX based workstations and PCs as well as high-speed dial-in access to campus computing facilities.

The University is located in the most attractive suburbs of the Dallas metropolitan area. There are over 900 high-tech companies within 5 miles of the campus, including Texas Instruments, Nortel Networks, Alcatel, Ericsson, Hewlett-Packard, Nokia, Fujitsu, MCI, EDS, and Perot Systems. Almost all the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Jonsson School has experienced very rapid growth in recent years and will become a top-ranked engineering school in the next five years. The Jonsson School is strengthening and expanding its programs by recruiting outstanding faculty and Ph.D. students, increasing funded research, and establishing new programs. The Jonsson School will benefit from a \$300 million program of funding from public and private sources over the next five years (see www.utdallas.edu/utdgeneral/news/).

For informal inquiries, contact Dr. D.T. Huynh, Department Head, at 972-883-2169 or view the Internet Web page at <http://www.utdallas.edu/dept/cs/>. The search committee will begin evaluating applications as soon as possible and will continue until the positions are filled.

Applicants should mail their resume with a list of at least five academic or professional references to:

Academic Search #753C
The University of Texas at Dallas
P.O. Box 830688, M/S AD 23
Richardson, TX 75083-0688.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.

positions are subject to final budgetary approval. AA/EOE

THE UNIVERSITY OF MICHIGAN – DEARBORN, Department of Computer and Information Science, Assistant/Associate Professors.

The Department of Computer and Information Science (CIS) at the University of Michigan-Dearborn invites applications for tenure-track faculty positions. Rank and salary will be commensurate with qualifications and experience. Preference will be given to researchers in agent technologies, data mining, digital libraries, distributed systems, enterprise computing, information filtering and summarization, information security, semantic web, workflow, XML and web databases, and web engineering. The applicant must have a Ph.D. in CIS or a closely related discipline by the time of appointment and will be expected to do scholarly and sponsored research, as well as teaching at both the undergraduate and graduate levels. The CIS Department offers several BS and MS degrees. Doctoral programs are awaiting formal approval. The current research areas in the department include CAD/CAM integration, computer graphics, database systems, distributed systems and middleware, embedded software systems, geometric modeling, mobile computing, and multimedia information systems. The University of Michigan-Dearborn is located in the southeastern Michigan area and offers excellent opportunities for faculty collaboration with many industries. The University of Michigan-Dearborn is dedicated to the goal of building a culturally diverse and pluralistic faculty committed to teaching and working in a multicultural environment, and strongly encourages applications from minorities and women. A cover letter, curriculum vitae including e-mail address, and three letters of recommendation should be sent to: Dr. William Grosky, Chair, Department of Computer and Information Science, University of Michigan-Dearborn, 4901 Evergreen Road, Dearborn, MI 48128-1491. Email: wgrosky@umich.edu, Internet: <http://www.engin.umd.umich.edu/CIS>, Phone: 313.583.6424, Fax: 313.593.4256. The University of Michigan - Dearborn is an equal opportunity/affirmative action employer.

WASHINGTON UNIVERSITY IN SAINT LOUIS, Department of Computer Science and Engineering, www.

cse.wustl.edu. Building upon the impressive recruiting successes of the last five years that included fifteen new tenure-track faculty, the Department continues to seek outstanding candidates likely to develop synergistic relationships with existing areas of research excellence. Only candidates having an exceptionally strong record of research accomplishments and a deep commitment to teaching will be considered. The Department enjoys a great research reputation and impressive levels of research activity, e.g., annual research expenditures in the range of \$250,000 to \$450,000 per faculty member. Our doctoral graduates have been heading for successful careers in academia and industrial research centers. Noteworthy entrepreneurial endeavors attest to a highly respected technology transfer tradition and culture. Strict limits on undergraduate enrollments and the increasing popularity of Washington University allow us to offer small classes and close personal attention to a diverse student body of exceptional quality. Finally, progressive fiscal policies reward research, teaching, and innovation and foster a readiness to invest in promising new initiatives. Qualified applicants should submit a complete application (cover letter, curriculum vita, research statement, teaching statement, and three letters of reference) electronically to recruiting@cse.wustl.edu. All other communications should be directed to Dr. Catalin Roman, Chairman, Department of Computer Science and Engineering, Campus Box 1045, Washington University, One Brookings Drive, St. Louis, MO 63130-4899. Applications will be considered as they are received. Those arriving after February 1, 2004, may not be given full consideration. Washington University is an equal opportunity/affirmative action employer.

DUKE UNIVERSITY, Department of Computer Science.

Experimental Systems Faculty Position: We invite applications and nominations for a tenure-track or tenured faculty position at any rank in the Department of Computer Science at Duke University, to start September 2004. Preference will be given to applicants in the various areas of experimental systems and architecture. We are seeking to build upon our strong, highly collaborative group in experimental systems. We are broadly interested in all areas of experimental systems with emphasis on databases, computer architecture, networking, security, and dis-

tributed systems. **Computational Biology Faculty Position:** We invite applications and nominations for a tenure-track assistant professor position in the Department of Computer Science at Duke University, effective from September 2004. We seek applicants with outstanding records in the general area of computational biology and bioinformatics. The areas of particular interest include but are not limited to sequence analysis, functional genomics, transcriptomics, structural genomics, machine learning and data mining, and computational simulation and mathematical modeling. For more information about the faculty, facilities and other resources, please refer to www.cs.duke.edu. Applications should be submitted online at <http://www.cs.duke.edu/csnews/facsearch>. Applications should include a curriculum vitae, a list of publications, and copies of the most important publications. A Ph.D. in computer science or related area is required. Assistant Professor applicants should arrange for at least four letters of reference to be sent preferably via email (facsearch@cs.duke.edu) to the Faculty Search Chair. Senior candidates should provide the names and contact information of three potential references. To guarantee full consideration, applications and letters of reference should be received no later than January 15, 2004. facsearch@cs.duke.edu. Faculty Search Chair, Department of Computer Science, Duke University, Durham, NC 27708-0129. Duke University is an affirmative action, equal opportunity employer.

WESTERN CAROLINA UNIVERSITY, Department of Mathematics and Computer Science.

Tenure track Assistant/Associate Professor position in Computer Science to begin Fall 2004. Ph.D. in Computer Science or related field required. Excellence in teaching and a commitment to ongoing research required. Screening begins on January 12, 2004 and continues until the position is filled. Application information available at <http://www.cs.wcu.edu/>. Western Carolina, a campus of the University of North Carolina, is an EO/AA employer.

TEXAS A&M UNIVERSITY, Department of Computer Science, Tenure-Track Faculty Positions.

Applications are invited for tenure-track faculty positions, starting fall 2004, in the Department of Computer Sci-

ence of the Dwight Look College of Engineering at Texas A&M University. As part of a long-term plan to increase the size and improve quality, the department is expanding in the following areas: software and bioinformatics. Top candidates in other areas will also be considered. The candidates must have a Ph.D. degree and will be expected to teach, perform research, and supervise graduate students. We are primarily looking for candidates at the Assistant Professor level; outstanding candidates at the Associate and Full Professor levels will also be considered. The CS Department has 33 tenure-track faculty and nine lecturers. Texas A&M University CS faculty members are well recognized for their contributions to their fields. The Department currently has one ACM Fellow, five IEEE Fellows and eight PYI/NYI/CAREER awardees. In 2000, four faculty members received the IEEE Third Millennium Medal. Additional information about the department can be found at the following URL: www.cs.tamu.edu. Texas A&M University CS faculty applicants should apply online at apply.cs.tamu.edu/tenuretrack. For

questions about bioinformatics, contact bioinfo_search@cs.tamu.edu. For questions about software, contact software_search@cs.tamu.edu. Texas A&M University is an equal opportunity/affirmative action employer and actively seeks candidacy of women and minorities.

UNIVERSITY OF CENTRAL ARKANSAS. The Computer Science Department at the University of Central Arkansas (UCA) invites applications for a tenure-track faculty position, with rank based on qualifications, to be started in the fall semester of 2004. Applicants should have a PhD degree in an area of computer science/engineering. A strong commitment to excellence in teaching, and research involving students is expected. The department is located in a new building equipped with state-of-the-art equipment and facilities, and it enjoys strong support from local corporations. The department offers a Bachelor's degree for about 200 majors, and will launch its new Master's program, in spring, 2004. For more information about the university and the department, please

visit <http://www.cs.uca.edu>. UCA is committed to excellence in undergraduate and graduate education, and fosters student-centered learning, technology enhanced pedagogies, and research experiences for all students. UCA is located in Conway, about 25 miles away from Little Rock, and has convenient access to numerous recreational sites. To apply, send a curriculum vita, statements of teaching and research interests, and contact information for at least three references to: Chair, CS Search Committee, Lewis Science Center Room 105, College of Natural Sciences and Mathematics, University of Central Arkansas, Conway, AR 72035. Electronic submissions may be sent to CSsearch@mail.uca.edu. Review will begin immediately and continue until the position is filled. UCA is an Equal Opportunity Affirmative Action Employer.

UNIVERSITY OF SOUTHERN CALIFORNIA, Computer Science Department. The Computer Science Department at the University of Southern California (www.cs.usc.edu) invites applications for tenure track

THE UNIVERSITY OF TEXAS AT DALLAS
ERIC JONSSON SCHOOL OF ENGINEERING AND COMPUTER SCIENCE
DEPARTMENT OF COMPUTER SCIENCE
Faculty Positions



The Department of Computer Science of the University of Texas at Dallas invites applications from outstanding applicants for tenure track faculty positions in all areas, at all levels, starting Spring, Summer or Fall 2004. Candidates must have a Ph.D. degree in Computer Science, Software Engineering, Computer Engineering or equivalent. The successful applicants must have a distinguished research and publication record. Applicants for senior positions must have an outstanding funding record and demonstrated leadership ability in developing and expanding funded research programs. Positions for Distinguished Chaired Professors are available.

The Department offers Ph.D. degrees in Computer Science, Software Engineering; M.S. Degrees in Computer Science with emphases (tracks) on Networks and Telecommunications, Traditional Computer Science, Intelligent Systems, and a Major in Software Engineering; Bachelor's degrees in Computer Science, Software Engineering (the first in the State of Texas). In addition, the department is part of Ph.D. and master's programs in two interdisciplinary fields, Computer Engineering and Telecommunications Engineering, whose faculty consists of members from Computer Science and Electrical Engineering. Currently the Department has a total of 40 tenure-track faculty and 17 senior lecturers. In Fall 2002, the Department of Computer Science moved into a new 152,000 sq. ft. building. In addition to individual faculty workstations, the department has many computer/research laboratories, equipped with around 300 high performance workstations and high-end PCs. The Academic Computer Center supports both UNIX based workstations and PCs as well as high-speed dial-in access to campus computing facilities.

The University is located in the most attractive suburbs of the Dallas metropolitan area. There are over 900 high-tech companies within 5 miles of the campus, including Texas Instruments, Nortel Networks, Alcatel, Ericsson, Hewlett-Packard, Nokia, Fujitsu, MCI, EDS, and Perot Systems. Almost all the country's leading telecommunication's companies have major research and development facilities in our neighborhood. Opportunities for joint university-industry research projects are excellent. The Jonsson School has experienced very rapid growth in recent years and will become a top-ranked engineering school in the next five years. The Jonsson School is strengthening and expanding its programs by recruiting outstanding faculty and Ph.D. students, increasing funded research, and establishing new programs. The Jonsson School will benefit from a \$300 million program of funding from public and private sources over the next five years (see www.utdallas.edu/utdgeneral/news/).

For informal inquiries, contact Dr. D.T. Huynh, Department Head, at 972-883-2169, or view the Internet Web page at <http://www.utdallas.edu/dept/cs/>. The search committee will begin evaluating applications as soon as possible and will continue until the positions are filled.

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The University of Texas at Dallas
P.O. Box 830688, M/S AD 23
Richardson, TX 75083-0688.

The University of Texas at Dallas is an Equal Opportunity Affirmative Action employer and strongly encourages applications from candidates who would enhance the diversity of the University's faculty and administration.

faculty at all levels and across all areas of computer science. We are particularly interested in outstanding candidates who will contribute to the department's cross-cutting strategic thrusts in computation, immersion, interaction, and autonomy. Computation: computational modeling (including simulation and optimization) as well as on new and emerging models of computation especially in neural and genomic computing. Immersion: natural and effective interactions among people (both real and virtual), computation, and the world through improved embeddings of each within the others. Interaction: a coordinated investigation of distributed information technology across three levels: the network, where components become connected; the grid, where connected components become pools of resources; and organization, where resource pools support collaborative activities. Autonomy: intelligent agents embodied in both hardware (robots) and software. Progress on these strategic thrusts requires research on new theories, technologies, and systems spanning the traditional sub-disciplines of computer science, plus broader syntheses across these areas. USC has a strong tradition of interdisciplinary research. Furthermore, much of this research is fostered by strong links between CS and USC's Information Sciences Institute, Integrated Media Systems Center and Institute for Creative Technology. Candidates should apply on line at <http://www.cs.usc.edu/faculty> online/, or contact Edith Ross (edith@usc.edu). USC is an EO/AA employer, and encourages applications from under-represented groups and untraditional backgrounds.

SOFTWARE ENGINEERS (Cheminformatics Java Specialist). Novartis Institute for Functional Genomics, Inc. has openings for Software Engineers (Cheminformatics Java Specialist) in San Diego, CA. Send Resume to GNF, Human Resources, Job Code 910, 10675 John Jay Hopkins Drive, San Diego, CA 92121. Fax: 858/812-1670. EOE.

UNIVERSITY OF MARYLAND BALTIMORE COUNTY, A Tenure Track Position in Computer Engineering, Department of Computer Science and Electrical Engineering. The UMBC CSEE Department invites applications for a tenure-track faculty position in computer engineering at the rank of Assistant Professor.

Higher ranks may be considered. We are mainly interested in applicants specializing in the following areas: (1) VLSI (esp. mixed signal, ASIC, DSP system implementations, FPGAs, CAD for deep sub-micron devices) (2) VLSI testing and verification (3) Design and Test for SoC (4) Architectures (including Reconfigurable computing, Polymorphic architectures, Arithmetic Algorithms and Implementations including cryptography, on-line/digit-serial arithmetic). (5) MEMS systems. Applicants must have, or be about to receive, a Ph.D. in computer science, computer engineering, electrical engineering, or a related discipline. The Department offers B.Sc., M.Sc., and Ph.D. degrees and has 34 full-time tenured and tenure track faculty members and 7 full time lecturers, and about 1200 undergraduate majors and 300 graduate students. We received approximately \$7M in sponsored research support last year and are planning on significant growth. Construction of the new Information Technology and Engineering building, into which we moved recently, was completed in 2003. Applications, including CV, and a statement of teaching and research interests and goals, should be sent to: Computer Engineering Faculty Search, Department of Computer Science and Electrical Engineering, University of Maryland Baltimore County, 1000 Hilltop Circle, Baltimore, MD 21250. (phone: 410-455- 3500 fax: -3969, URL: <http://www.csee.umbc.edu/>). Applicants should arrange for three letters of reference to be sent to the same address. Electronic submissions are encouraged (Email: ce-search@csee.umbc.edu). Selection of candidates will start immediately. UMBC is an affirmative action/equal opportunity employer. Women and minorities are encouraged to apply.

THE UNIVERSITY OF TEXAS AT SAN ANTONIO, Faculty Positions in Computer Science. The Department of Computer Science at The University of Texas at San Antonio invites applications for three tenure/tenure-track positions at the Assistant, Associate or Professor level. Areas of preference include, but are not limited to: software engineering, programming languages and compilers, computer systems, or parallel and distributed computing. We are particularly interested in senior applicants with established records in research and external funding. Required qualifications: Applicants for an Assistant Professor position must have earned a Ph.D. prior to September

1, 2004, in Computer Science or in a related field and must demonstrate a strong potential for excellence in research and teaching. Required qualifications: Applicants for an Associate Professor position must have a Ph.D. in Computer Science or related field and should have an established research program in their area of specialization. Required qualifications: Applicants for a Full Professor position must have a Ph.D. in Computer Science or a related field and previous experience in graduate and undergraduate teaching and academic program development as well as a recognized program of research. Responsibilities include research, teaching at the graduate and undergraduate levels, and program development. Courses are offered (occasionally at night) at both the UTSA 1604 Campus and Downtown campus. Salary and start-up supporting packages for the positions are highly competitive. Applicants must submit a letter of application that includes an indication of the level of position for which they are applying. Applications must also include a curriculum vitae, a statement of research interests, and the names, addresses (postal and e-mail), and telephone numbers of at least three references. Applicants who are not U.S. citizens must state their current Visa and residency status. Applications may be faxed, emailed, or mailed to: Chair of Faculty Search Committee, Department of Computer Science, The University of Texas at San Antonio, 6900 North Loop 1604 West, San Antonio, TX 78249-0667; search@cs.utsa.edu. FAX: 210-458-4437. The Department of Computer Science offers B.S., M.S., and Ph.D. degrees supporting a dynamic and growing program with over 700 undergraduate and 100 graduate students. The research activities and experimental facilities have been well-supported by various Federal research and infrastructure grants. (See <http://www.cs.utsa.edu> for additional information on the Department of Computer Science and its faculty.) The University is the largest public university in south Texas serving over 24,000 students. The city of San Antonio has a population of over one million and is known for its rich Hispanic culture, historic attractions, affordable housing, and excellent medical facilities. Substantial computer industry is located in San Antonio and Austin, located 75 miles away. Nearby higher education and research institutions include UT Health Science Center and Southwest Research Institute. Screening will begin January 15, 2004, and will con-

time until the positions are filled. (Pending budget approval.) The University of Texas at San Antonio is an Affirmative Action/Equal Employment Opportunity Employer. Women and minorities are encouraged to apply.

SOFTWARE ENGINEERING FACULTY

POSITION: The Department of Electrical and Computer Engineering at Cleveland State University invites applications for a tenured/tenure-track faculty position starting January 2004. The appointment will be at the rank of Assistant/ Associate Professor, with competitive salary commensurate with experience. Although the primary responsibility will be in teaching and research, we are looking for someone to participate in the development of a world-class research facility in the area of electronics and aerospace technologies in which software engineering will play a major role. In addition to the numerous state-of-the-art software applications that will be funded for development, we have a mandate to develop the platform for an integrated design environment with knowledge capture, arguably one of the most significant software development projects of the 21st century. Applicants must document relevant prior teaching and research experience in software engineering and the potential for continuing research support. Major local corporations and government agencies, such as Rockwell Automation, Philips, General Electronic, Computer Associates, ABB Automation, Keithley Instruments, Nordson, Parker Hannifin, Eaton Corp., NASA Glenn Research Center, and many others, have a very strong need for software engineers and have expressed their desire to support the development of the MSSE program and share their expertise. **MINIMUM QUALIFICATIONS:** Ph.D. in Software Engineering, Computer Engineering, Computer Science, or related fields with specialization in software engineering (SE); ability to teach graduate and undergraduate courses in SE; and ability to establish an externally funded research program in SE. **PREFERRED QUALIFICATIONS:** A record of teaching experience in SE and a desire to develop outstanding teaching skills; a record of publications in a recognized area of SE and a demonstrable desire to continue publishing; a record of funded research; excellent communication skills; relevant industrial experience. A letter of application and current resume, including names, addresses, phone numbers and e-mail

addresses of at least three references, should be sent to: Chair of EEC Search Committee, Office of the Dean of Engineering, SH 104, Cleveland State University, Cleveland, OH 44115-2425. For information about CSU, visit our home page at www.csuohio.edu. Review of applications begins on December 15, 2003 and will continue until the position is filled. Cleveland State University is an AA/EOE committed to nondiscrimination. M/F/D/V encouraged.

UNIVERSITY OF SOUTHERN CALIFORNIA, Department of Electrical Engineering-Systems.

The Systems Division of the Electrical Engineering Department invites applications for tenured track positions at all faculty levels in the following targeted areas: computational imaging with biomedical applications; system level VLSI design and architecture with applications to wireless communication, or biomedical systems; communications with a focus on quantum information processing. Applications must include a letter clearly indicating area of specialization, a detailed curriculum vitae, a one page statement on current and future research directions, and names of at least four professional references. Applicants are responsible for soliciting reference letters to be sent directly to the address below. Please send material to: Chair, Faculty Recruitment Committee, Electrical Engineering-Systems Division, University of Southern California, Los Angeles CA, 90089-2560. USC is an Affirmative Action/Equal Opportunity Employer and encourages applications from women and minorities.

STANFORD UNIVERSITY, Department of Computer Science and Electrical Engineering, Faculty Opening in Sensor Networks.

The Computer Science and Electrical Engineering Departments at Stanford University invite applications for a tenure-track faculty position at the junior level (Assistant or untenured Associate Professor). We are seeking applicants knowledgeable in some aspect of sensor networks, e.g., applicants with interest in gathering and interpreting information from large numbers of possibly dispersed sensors, or applicants who design and build sensors for networked applications. We expect candidates to have experience in one or more of the following areas: signal processing, sensor design, graphics and vision, networking and protocols, data bases and information management, secu-

rity, distributed algorithms, or other areas related to sensor networks. We are also interested in candidates with expertise in applications that may use sensor nets, such as health care, transportation, and environmental science. (If appropriate, we will also consider joint appointments with other departments besides EE and CS.) Higher priority will be given to the overall originality and promise of the candidate's work than to any specific sub-area. An earned Ph.D., evidence of the ability to pursue a research program, and a strong commitment to graduate and undergraduate teaching are required. A successful candidate will be expected to teach courses at the graduate and undergraduate levels and to build and lead a team of graduate students in Ph.D. research. Further information about the Computer Science Department can be found at <http://cs.stanford.edu/> and about the Electrical Engineering Department at <http://www-ee.stanford.edu>. The School of Engineering website may be found at <http://soe.stanford.edu/>. Applications should include a curriculum vita, statements of research and teaching interests and the names of at least four references. Candidates are requested to ask references to send their letters directly to our search committee. The letters should be sent in as soon as possible, but no later than the application deadline. All materials should be sent to: Search Committee Chair, c/o Laura Kenny-Carlson, Computer Science Department, Stanford University, Gates 278, Stanford, CA 94305-9025; or via electronic mail to search@cs.stanford.edu. The review of applications will begin on January 5, 2004, and applicants are strongly encouraged to submit applications by that date; however, applications will continue to be accepted until February 2, 2004. The position is available beginning Autumn 2004. Stanford University is an equal opportunity employer, affirmative action employer.

VIRGINIA MILITARY INSTITUTE, Department of Mathematics and Computer Science.

The Department of Mathematics and Computer Science invites applications for a full-time, tenure track faculty position in computer science at the assistant/associate professor level. A Ph.D. in computer science is expected. A Ph.D. in a closely related field will be considered. Candidates should have demonstrated excellence in teaching and an ongoing program of scholarly activity. Candidates are expected to

have a strong interest in undergraduate teaching and a desire to involve undergraduate students in research. The appointment begins 1 August 2004. The successful candidate will teach a wide variety of undergraduate computer science courses. Highly qualified applicants from all areas of computer science will be considered. Faculty members are expected to participate in advising and committee work. Members of the faculty wear uniforms and adhere to military customs, however military experience is not required. Applicants should submit a letter stating their professional goals, their teaching interests, a statement of teaching philosophy, a statement of research interests, a curriculum vitae, official transcripts, and three letters of recommendation to Michael J. Tierney, Chair, Department of Mathematics and Computer Science, Virginia Military Institute, Lexington, VA 24450. At least one of the letters must address teaching effectiveness. Review of applications will begin 15 January 2004 and will continue until the position is filled. Visit <http://academics.vmi.edu/math>. VMI is a public, four-year undergraduate military college (1,300 students) located in the historic Shenandoah Valley of Virginia. Lexington, (population 7,000) also home to Washington and Lee University, offers a stimulating cultural atmosphere, a relaxed rural pace, and a diverse economic base to make life pleasant and rewarding. Share in Lexington's rich heritage, while enjoying the natural beauty of the Blue Ridge Mountains. Visit <http://lexingtonvirginia.com>. VMI is an EEO employer.

COMPUTER ENGINEERING FACULTY POSITION:

The Department of Electrical and Computer Engineering at Cleveland State University invites applications for a tenure-track position in the Computer Engineering area. Responsibilities involve teaching in the Bachelor's, Master's and Doctoral degree programs, supervision of graduate theses, obtaining external funding and publishing research results. Opportunities exist to collaborate with local companies, such as Rockwell Automation, Philips Medical Systems, General Electric, Computer Associates, ABB Bailey, Keithley Instruments, Nordson, Parker Hannifin, and Eaton Corp., among many others, in industry-sponsored research projects, as well as with NASA Glenn Research Center. The appointment will be at the rank of Assistant Professor, with competitive salary commensurate with experience. **MINIMUM QUALIFICATIONS:**

Ph.D. in Computer Engineering or Electrical Engineering with specialization in Computer Engineering; ability to teach graduate courses in Computer Engineering and undergraduate courses in Electrical and Computer Engineering; and ability to establish an externally funded research program in Computer Engineering. **REFERRED QUALIFICATIONS:** Teaching experience; research specialty in one or more of the following areas: distributed processing, fault tolerant computing, performance evaluation, and high-performance architectures; publications in a recognized area of Computer Engineering; good communication skills; relevant industrial experience. A letter of application and current resume, including names, addresses, phone numbers and e-mail addresses of at least three references, should be sent to: Chair, CE Search Committee, Office of Engineering Dean, SH 104, Cleveland State University, Cleveland, OH 44115-2425. First review will begin 12/15/03; position will be open until filled. For information about CSU, visit our home page at www.csuohio.edu. Cleveland State University is an AA/EOE committed to nondiscrimination. M/F/D/V encouraged.

LOYOLA COLLEGE IN MARYLAND, Visiting Faculty.

The Computer Science Department at Loyola College in Maryland invites applications for a one-year visiting appointment, at any level, to begin in September 2004. A Ph.D. in Computer Science, Software Engineering, or a related discipline, or a Master's with industrial experience is required. We are looking for enthusiastic candidates to teach in our new MS programs in Software Engineering and Computer Science in the undergraduate program. Loyola is a Catholic, Jesuit, selective liberal arts university. The school has been recognized nationally for the commitment to support technology and is ranked in the top five northern universities by US News and World Report. The graduate program in computing has just been re-organized under the aegis of the Computer Science Department. We offer the MS in Computer Science and the MS in Software Engineering. The undergraduate BS program has been ABET-CSAC accredited since 1989. The CS faculty functions in a collegial, cohesive manner; classes are small (less than 15 in most graduate classes; less than 20 in upper division CS classes). Our graduate students come from industry, federal and local government, the military, as well as undergraduate backgrounds, and

bring a challenging and exciting mix of experience, professional objectives and academic opportunities to the classroom. To apply, please send a current CV with the names of three references to Visiting Search Committee Chair, Computer Science Department, Loyola College in Maryland, 4501 North Charles Street, Baltimore, Maryland 21210-2699. We will consider applications as they are received. Loyola is located in northern Baltimore, close to many professional, recreational and cultural opportunities. Loyola welcomes applicants from all backgrounds who can contribute to its educational mission. Loyola is an equal employment opportunity employer, seeking applicants from underrepresented groups. More information is available at www.loyola.edu, www.cs.loyola.edu and graduate.loyola.edu.

METROPOLITAN COLLEGE OF BOSTON UNIVERSITY, Chairman, Science and Engineering.

Boston University's Metropolitan College seeks a Chairman for the Science and Engineering Program (SEP) for September 2004. SEP is an innovative program that provides promising students who want to major in science or engineering, with an alternative to direct admission into the University's four-year programs. See <http://www.bu.edu/met/programs/undergraduate/science-engineering/index.html>. The ideal candidate will hold a doctorate in a technical or scientific field, be familiar with engineering, and appreciate the challenges confronting aspiring young engineers and scientists. The Chairman's duties include: overseeing admissions, meeting parents, managing the curriculum, and working with other University units. The Chairman will hold a faculty appointment. Send an application letter, a resume and three references to Dr. Eric Braude, Chairman, SEP Search Committee, Metropolitan College, Boston University, 808 Commonwealth Avenue, Boston MA 02215. Deadline: January 31, 2004. Boston University is an Equal Opportunity Affirmative Action Employer.

GEORGE MASON UNIVERSITY.

The Department of Computer Science at George Mason University invites applicants in all areas of computer science for a faculty position as assistant, associate, full, or visiting professor. We are especially interested in applicants with expertise in entertainment technologies, human-computer interaction and visualization,

mobile computing and wireless networks, distributed agents, pervasive computing, grid computing, and theory. You must hold a Ph.D. in Computer Science or closely related discipline. You will be expected to develop an excellent funded research program. Our salaries and startup packages are highly competitive. With 25 faculty, we offer BS, MS, and PhD degrees in Computer Science. Our research interests include some of the areas mentioned above as well as artificial intelligence, biometrics, data mining, image processing, parallel and distributed systems, performance evaluation, real-time systems, robotics, security, vision, visualization, and Web and e-commerce technologies. Our web site is www.cs.gmu.edu. The review of applications will begin on December 1, 2003 and will continue until positions are filled. To apply send a letter of application including a statement of professional goals including your perspective on teaching and research, complete resume, samples of representative publications, and the names of four references to: Chair, Recruitment Committee, Department of Computer Science, MS 4A5, George Mason University, Fairfax, VA22030-4444. Recruit at www.cs.gmu.edu.

UNIVERSITY OF GUELPH, Tenure Track Faculty Position in Computing and Information Science. The Department of Computing & Information Science at the University of Guelph is seeking applications for a tenure-track faculty appointment in support of its programs in Computing Science. Full details are on-line at <http://www.cis.uoguelph.ca/employment/faculty.html>. All qualified candidates are encouraged to apply: however, Canadian citizens and permanent residents will be given priority. The University of Guelph is committed to an employment equity program that includes special measures to achieve diversity among its faculty and staff. We therefore particularly encourage applications from qualified aboriginal Canadians, persons with disabilities, members of visible minorities and women.

UNIVERSITY OF FLORIDA, Department of Computer and Information Science and Engineering. The Department of Computer and Information Science and Engineering at the University of Florida invites applications for tenure track positions at all ranks beginning August 2004 or anytime thereafter. Exceptionally

strong candidates in all areas of computer science and engineering are encouraged to apply. All applicants should hold a PhD in Computer Science, Computer Engineering, or a closely related discipline, and should be committed to excellence in teaching and research. Salary and support are competitive and depend on background and experience. The Department of CISE currently has tenure track faculty of 34 and a student body of 330 graduate and 1151 undergraduate students. The Department encompasses a wide range of research areas including high performance computing, database systems, computer vision, computer graphics, simulation, computer networks and security and distributed and real-time systems. Candidates should send a curriculum vita and have at least three letters of recommendation sent to: Chair, Faculty Search Committee, c/o Robyn Edwards, Department of Computer and Information Science and Engineering, 301 CSE, PO Box 116120, University of Florida, Gainesville, FL 32611, e-mail to: search@cise.ufl.edu, Tel: (352) 392-1212. Applications will not be reviewed until all recommendation letters have been received. The committee will begin reviewing applications on December 31, 2003 and will continue to receive applications until the positions are filled. The University of Florida is an Affirmative Action Employer and women and minorities are encouraged to apply. For more information about the department and positions, please visit <http://www.cise.ufl.edu>.

WASHINGTON STATE UNIVERSITY VANCOUVER, Asst Professors, Computer Science. Ph.D. in CS or closely related fields. Two positions, particularly in AI, systems, networking or design automation. See complete notice at: www.vancouver.wsu.edu/institute/CSpositions.htm.

UNIVERSITY OF CENTRAL FLORIDA, Orlando, Florida, The School of Computer Science in the College of Engineering & Computer Science. UCF Computer Science is looking for talented faculty in all areas of specialization. We expect to fill over 10 faculty lines in the next few years, and seek outstanding candidates for tenured and tenure-track faculty positions at all levels for appointments in 2004. We are particularly interested in candidates with research interests in bioinformatics,

compilers, computer architecture, computer graphics, computer vision, database and information systems, mobile systems, multimedia computing, networking, novel forms of computing, operating systems, parallel and distributed computing, and security/cryptography. We offer competitive salary and start-up packages to outstanding individuals, and our faculty enjoy generous benefits. New faculty have graduate student support and significantly reduced teaching loads. Special senior-level positions are available to exceptionally qualified individuals, and we welcome candidacies from coordinated groups of faculty. In the past five years, nine distinguished faculty have joined UCF Computer Science, and we seek to add to the growing strength of our program. Applicants should have a Ph.D. and a strong commitment to the academic process, including teaching, scholarly publications, and sponsored research. Candidates at the Associate or Full Professor level should have demonstrated leadership in their fields at the national/international level. Those applying for Assistant Professorships should have a track record of high quality publications, and be recognized for their potential. UCF Computer Science is the oldest Ph.D. granting CS program in the state of Florida. We have a rapidly growing educational and research program with over \$2.8MM in annual expenditures from grants and contracts, with over 250 graduate students and 860 undergraduate CS majors. In addition, we offer a B.S. degree in Information Technology (IT), with over 400 undergraduate majors. We also encourage faculty candidates for the IT program to respond to this ad. The University is strongly committed to continue the buildup of strength in CS, with significant special monetary support dedicated to maintain and expand the excellence of the School of Computer Science. Our Federal research sponsors include NSF, ARO, ONR, NASA, U.S. Army STRICOM, the Department of Transportation, and other agencies of the Department of Defense. We enjoy the support of numerous industrial sponsors including established companies such as Adaptec, ATI, Boeing, Harris, Honeywell, Image-soft, Intel, Lockheed Martin, Lucent, Oracle, Schwartz Electro-Optics, as well as hi-tech start-ups such as Axi-metric, Giganet Technologies, and Millenium Technologies. UCF has over 42,000 students and is among the nation's fastest growing universities. We are located in Orlando, FL at the center of the I-4 High Tech Corridor with a thriving industrial base in

telecommunications, computer systems, semiconductors, defense and space, lasers, simulation and software, and the world renowned entertainment industry. The Orlando metropolitan area enjoys an exceptional climate with rapid access to the Atlantic seashore and the Gulf of Mexico. Because of the presence of major theme parks such as Disney World, Sea World and Universal Studios, we benefit from a major airport with numerous direct international and national connections. Orlando is also a major center for national and international technical conferences. Please send applications electronically (PDF format is preferred) to cse_positions@cs.ucf.edu. Applications should include a cover letter, a detailed CV, a Research Statement, a Teaching Statement, and five names of references. Alternatively, though not preferred, hardcopy applications may be sent to: Chair, Computer Science Search Committee, School of Computer Science, University of Central Florida, Orlando, FL 32816-2362. Applications received by January 31, 2004 will be given priority. The University of Central Florida is an Equal Opportunity/Affirmative Action employer. Women and minorities are particularly encouraged to apply. As an agency of the State of Florida, UCF makes all application materials and selection procedures available for public review.

UNIVERSITY OF CONNECTICUT, Computer Engineering-Tenure-track Faculty Openings. The Departments of Computer Science & Engineering (CSE) and Electrical & Computer Engineering (ECE) seek outstanding candidates for their joint Computer Engineering program for tenure-track assistant or associate professor positions starting in Fall 2004. Candidates with research interests in computer networks, operating systems, electronic design automation (CAD), computer architecture, hardware-software co-design, digital system design and testing, real-time and embedded systems, and other related areas are sought. The CSE/ECE departments are the sole occupants of the new Information Technology Engineering building, possessing a combined faculty of 40 with 600 undergraduate and 200 graduate students. The University of Connecticut is the flagship graduate degree-granting institution in Connecticut ranked as the number one public university in New England by U.S. News & World Report. See <http://www.engr.uconn.edu/cse/> and <http://www.engr.uconn.edu/ece/> for further information. Email your application, resume including a full publication list, names of three references, and a statement of research and teaching interests to cse_search@ansible.engr.uconn.edu. To expedite the selection process, we request that the reference letters with original signatures be sent to us at the time of application. Review of applications will proceed on their arrival and continue until the positions are filled. The University of Connecticut is an Equal Opportunity Affirmative Action Employer.

COLORADO STATE UNIVERSITY, Tenure Track Faculty Position, Department of Electrical and Computer Engineering. The Electrical and Computer Engineering Department at Colorado State University, Fort Collins, invites applications and nominations for two tenure track positions to start in Fall 2004. All ranks will be considered. Women and minorities are encouraged to apply. The department has research programs in Computers and Networks, Communications and Signal and Image Processing, Data Mining, Control Systems and Robotics, Optoelectronics and Semiconductor Processing, Lasers, RF and Microwave Remote Sensing, and Biomedical Engineering. The department participates in the CSU Information Science and Technology Center, and in two recently-established NSF Engineering Research Centers: "Extreme Ultraviolet Science and Technology" and "Collaborative Adaptive Sensing of the Atmosphere." Several faculty in the department hold courtesy appointments in Computer Science, Mathematics, and Statistics, and collaborate with faculty in these and other departments. Successful candidates should have expertise in existing research areas within the department, or demonstrate the ability to establish new ones of interest. Candidates will be expected to have a strong commitment to scholarship, the potential to develop a vibrant sponsored research program, and the ability to teach at the graduate and undergraduate level. A doctorate in electrical or computer engineering or a related discipline is required. Applicants should submit a detailed resume, a two-page statement of research and teaching interests and goals, and names of three references to Search Committee, c/o Prof. Carmen Menoni, Department of Electrical and Computer Engineering, Colorado State University, Fort Collins, CO 80523-1373. Electronic submissions

are preferred (upload at www.colostate.edu/ece/search). Screening of applications will continue until the positions are filled. However, to be assured full consideration your application must be received by February 1, 2004. When semifinalists are identified, their files will be open to all faculty in the Department of Electrical and Computer Engineering, and to selected faculty in related departments. Information about the department, and this faculty search, may be found at www.engr.colostate.edu/ece. Colorado State University is an EEO/AA employer with offices at 101 Student Services.

IONA COLLEGE, New Rochelle, NY, ASSISTANT PROFESSORS (2) of COMPUTER SCIENCE. The Computer Science department seeks qualified candidates for two tenure-track positions at the rank of Assistant Professor starting Fall 2004. Candidates must have earned a PhD in Computer Science or related field, and have a strong commitment to both teaching and research in a liberal arts environment. The department administers several undergraduate programs, including a Bachelor of Science and a Bachelor of Arts in Computer Science, as well as master's degree programs in Computer Science, Telecommunications, and Education Technology. The Computer Science department is currently seeking ABET accreditation for its BS in Computer Science degree. Send applications in the form of a vita, a statement of teaching and research interests, and contact information of three references by December 15, 2003 to: Keitha A. Murray, Search Committee Chair, Computer Science Department, IONA COLLEGE, 715 North Avenue, New Rochelle, NY 10801. kmurray@iona.edu. Iona College is a diverse community of learners and scholars dedicated to academic excellence in the tradition of the Christian Brothers and American Catholic higher education and is an equal opportunity employer.

UTAH STATE UNIVERSITY, Department of Computer Science. Assistant Professor starting Fall 2004 specializing in applied computer science (Bio-informatics, Software systems, Multi-agent systems). See <http://personnel.usu.edu/> for details. Qualified applicants should send a letter of interest, current curriculum vita (statements of research experience and interests, proposals written and funded, publications, and

teaching experience), and the names of three references that the committee may contact, to: search@cs.usu.edu or Faculty Search Committee, Dept. of Computer Science, Utah State University, Logan, UT 84322-4205.

RENSELAER POLYTECHNIC INSTITUTE, Computer Science.

The Department of Computer Science at Rensselaer Polytechnic Institute invites applications for one or more expected tenure-track positions at the Assistant Professor level. Strong candidates at all professional levels and areas of computer science will be considered, however, the Department has special interest in candidates working in the areas of architecture, bioinformatics, cryptography, data mining and visualization, human-computer interaction, and security. Applicants should hold a Ph.D. in Computer Science or in a closely allied field, have substantial research accomplishments for the professorial level sought, and demonstrate a strong commitment to teaching. Rensselaer, under the direction of its president, plans to double its research program in the next five years (see <http://www.rpi.edu/web/President/Plan/index.html>).

Major research initiatives in information technology and biotechnology are integral components of this plan. The faculty of the Department of Computer Science are strongly encouraged to participate in collaborative research at the forefront of both of these initiatives. The department currently has 22 full-time faculty members and offers BS, MS and Ph.D. degrees. It has excellent computing facilities that support a vigorous growing research program (approximately \$2 million per year) that currently includes 6 active NSF CAREER awards. Applicants should submit a vita with a list of publications, a statement describing current and planned research, and a statement describing teaching philosophy to the address listed below. Candidates should also arrange to have at least three letters of recommendation sent to the same address. To ensure full consideration, all application materials must be reviewed by the committee by March 15, 2003. Faculty Search Committee, Attn: Jacky Carley, Department of Computer Science, Rensselaer Polytechnic Institute, 110 8th Street, Troy, NY 12180-3590. Rensselaer Polytechnic Institute is an Equal Opportunity/Affirmative Action Employer. Women and minorities are

strongly encouraged to apply.

GEORGIA STATE UNIVERSITY, Department of Computer Science.

The Department of Computer Science of Georgia State University invites applications for an anticipated tenure-track position for assistant professor beginning the Fall semester, 2004. Earned Ph.D. in Computer Science, or a closely related discipline, and an excellent record in publications in computer science are required with preference for extramural funding. Preference is for individual with specialty in graphics, bioinformatics, content processing, software engineering, internet multimedia communications, operating systems or algorithms. The department offers programs leading to the B.S., M.S., and Ph.D. degrees in computer science. Departmental computing facilities for research and instruction include a departmental network of PCs, Unix/Linux workstations, and a 24-processor Origin 2000 high-performance computer and five laboratories, and a hypermedia and visualization research laboratory. A full-time systems programmer supports the departmental computing facilities. Applicants should send a letter of application, vita without birth date, but with citizenship status, and three letters of reference and transcripts of all graduate work to: Chair, Department of Computer Science, Georgia State University, 34 Peachtree Street, Suite 1450, Atlanta, Georgia, 30303 (or e-mail to: mfraser@cs.gsu.edu). Applications will be accepted until position is filled. Georgia State University is an EEO/AA institution.

UNIVERSITY OF CALIFORNIA, SANTA BARBARA, Faculty Position: Department of Computer Science.

The University of California Santa Barbara invites applications for faculty positions in Computer Science and Computer Engineering. The Department of Computer Science currently has 25 full-time faculty and approximately 200 graduate students (including approximately 120 Ph.D. students) involved in various research areas including digital libraries and databases, parallel and distributed systems, programming languages, networking, computer and network security, theory of computation, algorithms, computer vision, human-computer interaction, bioinformatics, and computational science and engineering. The Department of Computer Science is part of the expanding College of Engineering which encompasses

over 130 faculty in various engineering disciplines. UCSB is a major research institution, elected member of the Association of American Universities, as well as an integral part of the nine-campus University of California system. Graduate degrees in Computer Science are offered at the M.S. and Ph.D. levels. The Department and the College feature a highly collaborative and stimulating working environment. Department faculty lead several NSF ITR projects, and have recently been awarded two NSF IGERT grants for interdisciplinary graduate education and research, in computational science and engineering and in interactive digital multimedia. The total amount of 2002-03 extramural funding in the department was approximately 6.8 million dollars. Applicants should hold a doctoral degree in Computer Science or a related field; appointments are scheduled to begin in July 2004. Primary consideration will be given to candidates who apply by January 15, 2004, however, positions will remain open until filled. Send resume, research and teaching statements, and names and addresses of at least four referees to: Recruitment Committee, Department of Computer Science, University of California, Santa Barbara, CA 93106-5110. To apply by electronic mail, send the application to: recruit@cs.ucsb.edu. Additional information about the Computer Science Department may be found at <http://www.cs.ucsb.edu>. The department is especially interested in candidates who can contribute to the diversity and excellence of the academic community through research, teaching, and service. An EEO/AA employer.

UNIVERSITY OF CALIFORNIA, DAVIS.

The Department of Electrical and Computer Engineering at UC Davis seeks outstanding faculty candidates for anticipated multiple tenure track positions in the following broad areas of Electrical and Computer Engineering. Solid-state devices and technologies for use in ULSI, microwave, optical, and bioengineering systems, especially in emerging areas such as micro and nanotechnologies, sensors and actuators, and MEMS. Communication systems and networking, with a particular focus on systems level design research or wireless networking. Candidates are expected to have a balance between experimental and analytical interests. Emerging areas in computer engineering, all fields including wireless sensor, mobile, and ad hoc systems and networks, pervasive/ubiquitous computing, dis-

tributed systems, embedded systems; computer-aided design, operating systems, low-power design, computer vision, and real-time systems. Exceptional candidates in other electrical and computer engineering fields such as analog and digital IC design and controls will also be considered. All candidates must demonstrate a strong academic record, as well as a commitment to teaching at the undergraduate and graduate levels, and to attracting significant extramural research support. Industrial experience will be viewed positively. We are interested in applicants at the Assistant or Associate Professor level, but we will consider all candidates. For senior candidates, exceptional research accomplishments and substantial funding experience will be essential. All positions require a Ph.D. degree or equivalent, and are open until filled, but in order to ensure earliest consideration, applications should be received by January 20, 2004. To apply, send a resume and the names of at least three references to: Professor Nor-

man Tien, Chair, Department of Electrical and Computer Engineering, Attention: Faculty Search Committee, University of California, One Shields Avenue, Davis, CA 95616-5294. The Department of Electrical and Computer Engineering at UC Davis is committed to building a more diverse faculty, staff, and student

body as it responds to the changing population and educational needs of California and the nation. The University of California is an affirmative action/equal opportunity employer.

**UNIVERSITY OF RHODE ISLAND,
Research Fellow, Computer Engi-**

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DECEMBER 2003

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Panda Software	108		
Parasoft	108		
Rochester Institute of Technology	110		
Springer-New York	Cover 4		
Technical University of Darmstadt	117		
University of Minnesota	118		
The University of Texas at Dallas	112, 115, 119, 121		
Classified Advertising	110-128		

Boldface denotes advertisements in this issue.