

BAYLOR UNIVERSITY. The department of Computer Science at Baylor University seeks qualified candidates for the faculty chair position. Our greatest strength is a faculty dedicated to the success of students and one another. Interested candidates are welcome to directly contact any faculty member to ask questions about our department and visit the department's web site of the School of Engineering and Computer Science at <http://www.ecs.baylor.edu>. Baylor University has embarked on Vision 2012, a move to increase research activities while continuing to emphasize high-quality undergraduate and graduate education. Consequently, the University seeks candidates with high academic standards and Christian convictions matched by active participation in a community of faith. Viable candidates must have a PhD in Computer Science, leadership experience, a commitment to undergraduate and graduate education, a quality research record, good communication and organization skills, and a strong Christian commitment. The University: Baylor, whose 500-acre campus is

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

Chair Search Committee, Department of Computer Science, Baylor University, PO Box 97356, Waco, TX 76798-7356. Appointment Date: Fall 2004. For full consideration, applications should be received by December 1, 2003. Applications will be accepted until the position is filled. Baylor is a Baptist university affiliated with the Baptist General Convention of Texas. As an Affirmative Action/Equal Employment Opportunity Employer, Baylor University encourages minorities, women, veterans, and persons with disabilities to apply.

KUWAIT UNIVERSITY. The Department of Information Science at the College for Women in Kuwait University invites applications for faculty positions at the ranks of Assistant, Associate, and Professor starting in February 2004 in the following areas: Information Science, Information Systems and Technology, Computer Science or Computer Engineering, Knowledge Management and Data Mining, etc. The medium of



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

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instruction is English. Responsibilities include teaching undergraduate courses, conducting independent scholarly research, and administrative duties. Both male and female candidates may apply. The ideal candidate must have a Ph.D. from a reputed western university in the area of specialization or related fields. The candidate must also demonstrate evidence of quality teaching and research and have full command of English. To be considered for an Associate or Professor level, the candidate must have a strong publication record in refereed international journals. The College for Women is part of Kuwait University which is one of the leading public institutions of higher learning in the Gulf region. The university emphasizes quality in teaching, research, and service. Kuwait University offers a generous benefit package that includes competitive tax-free salary that is determined according to rank and experience, annual air tickets for faculty member and his/her family (spouse and up to three children under the age of 20), tuition allowance for children schooling, a one-time settling-in allowance, housing allowance, free national health care, paid mid-year holidays and summer vacation, and end-of-contract gratuity. The University also offers an excellent academic environment and financial research support. Interested candidates should submit a current CV with a cover letter indicating their areas of interest. It is preferred that candidates send their CV by e-mail at jobs@cfw.kuniv.edu. Applications are accepted until the positions are filled. All communication (application and inquiries) should be addressed to: Dean, College for Women, Kuwait University, P.O. Box 5969, Safat 13060, Kuwait. Phone: +(965) 251-4232, Fax: +(965) 255-1157, e-mail: jobs@cfw.kuniv.edu.

UNIVERSITY OF PENNSYLVANIA, Department of Computer and Information Science, Faculty Positions. The University of Pennsylvania invites applicants for tenure-track appointments in both experimental and theoretical computer science to start July 1, 2004. Senior level appointments will also be considered. Faculty duties include undergraduate and graduate level teaching as well as research. Successful applicants will find Penn to be a stimulating environment conducive to professional growth. The Department of Computer and Information Science is undergoing a major expansion, including new faculty positions and a new building, Levine Hall, completed April 2003. Over the last two years, we have successfully recruited faculty in artificial intelligence, computer architecture, computational biology, databases, distributed systems, machine

vision, programming languages, and security. We are now especially interested in candidates in graphics and animation, systems and networking, and cryptography, although we will consider seriously applications by outstanding candidates in all areas at all levels, especially those who complement our current strengths in algorithms, artificial intelligence, databases, formal methods, robotics and machine vision, and networking and dis-

tributed systems. The University of Pennsylvania is an Ivy League University located near the center of Philadelphia, the 5th largest city in the US. Within walking distance of each other are its Schools of Arts and Sciences, Engineering, Medicine, the Wharton School, the Annenberg School of Communication, Nursing, Law, and Fine Arts. The University campus and its surroundings in Philadelphia benefit from a rich diversity



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>

of scientific, educational, and cultural opportunities, major technology-driven industries such as pharmaceuticals and aerospace, as well as attractive urban and suburban residential neighborhoods. Princeton and New York City are within commuting distance. To apply, please complete the form located on the Faculty Recruitment Web Site at: http://www.cis.upenn.edu/positions/faculty_application.html. Electronic applications are strongly preferred, but hard-copy applications (including the names of at least four references) may alternatively be sent to: Chair, Faculty Search Committee, Department of Computer and Information Science, School of Engineering and Applied Science, University of Pennsylvania, Philadelphia, PA 19104-6389. Applications should be received by January 15, 2004 to be assured full consideration. Applications will be accepted until positions are filled. Questions can be addressed to: fac-recruit-search@central.cis.upenn.edu. The University of Pennsylvania is an Equal Opportunity/Affirmative Action Employer. The Penn CIS Faculty is sensitive to "two-body problems" and would be pleased to assist with opportunities in the Philadelphia region.

MSRI. Mathematical Sciences Research Institute (Berkeley, CA) invites applications for its Mathematical Computational, and Statistical Aspects of Image Analysis program in Spring 2005. Three award categories available. Visit www.msri.org for all information and registration.

CALIFORNIA STATE UNIVERSITY, SACRAMENTO, Department of Computer Science. Applications are invited for tenure-track positions beginning Spring 2004/Fall 2004. Appointments will be as Assistant or Associate Professor. Ph.D. in Computer Science, Computer Engineering, or closely related field required by the time the appointment is made. Applicants with expertise in the following areas will be given preference: software engineering; software architecture; systems software; object-oriented technologies; database systems and application development for both internet and standard technologies; graphics and human interface design; network engineering; distributed systems; operating systems; security; programming languages; computer architecture; artificial intelligence; bioinformatics. However, outstanding candidates in other areas of expertise will be considered. Applicants are expected to teach a wide variety of core computer science courses. Associate positions

require demonstrated accomplishments in scholarly activities. Assistant positions require evidence of potential in scholarly activities. All candidates must show a strong commitment to teaching at both the undergraduate and graduate levels, ability to relate theory to practice, effective oral and written communication skills, and ability to work with a diverse student population. There are major high tech industries in the Sacramento metropolitan area, offering opportunities for research and consulting. Further information about the campus and the department is available via <http://www.ecs.csus.edu/csc/> or (916) 278-6834. Screening will begin September 15, 2003, and continue until positions are filled. To apply, send cover letter with code word "Computer," vita, list of publications, statement of research and teaching interests, transcripts of all college work including undergraduate work (unofficial copies acceptable for application process), names and phone numbers of three references familiar with both teaching and research potential to: Search Committee, Department of Computer Science, California State University, Sacramento, 6000 J Street, Sacramento, CA 95819-6021. Incomplete applications (those without all required documents) will not be considered. Email applications will not be accepted. CSUS is an AA/EO employer.

RESEARCH SCIENTIST. Extend and refine research prototypes into marketable products, both as an architect/developer and as project manager for developmental activities; explore business and funding opportunities; develop research proposals; establish industrial ties and technology transfer; obtain patents, licenses, etc., for technical ideas emerging from research team. M.S., Computer Science; six months research and development experience in: multimedia retrieval, database management, Web technologies and/or machine learning, including Java, SQL and Oracle software. Send resume to: Dr. Vijay Raghavan, University of Louisiana at Lafayette, P.O. Box 44330, Lafayette, LA, 70504, USA.

BALL STATE UNIVERSITY, Assistant Professor, Department of Computer Science, Muncie, Indiana. Ball State University has approximately 18,000 students. The Department of Computer Science has approximately 200 undergraduate majors and 100 M.S. students. Departmental lab facilities include both Microsoft Windows based machines and Unix based machines. The Department of Computer Science seeks

applicants for a full-time, tenure-track faculty position at the Assistant Professor level. Applicants should have the desire and interest to teach all undergraduate and master's level graduate courses with a special background in one or more of the following areas: computer architecture, database/data mining, Web technologies, systems software, network, security, software testing and reliability, and other areas closely related to software engineering. In particular they must be able to teach CS1 and CS2. An active, productive research program is required for tenure and promotion. Minimum qualification: must have doctorate in computer science or closely related field by August 15, 2004. Preferred qualifications: Ph.D. in computer science; teaching experience. Send letter of application, vita, copies of transcripts, and contact information for at least three references to: Dr. J. Michael McGrew, Search Committee, Department of Computer Science, Ball State University, Muncie, IN 47306. Transmission of materials by e-mail is encouraged at cssearch@cs.bsu.edu <<mailto:cssearch@cs.bsu.edu>>. Review of applications will begin immediately and will continue until the position is filled. (www.bsu.edu <<http://www.bsu.edu>> and www.cs.bsu.edu <<http://www.cs.bsu.edu>>). Ball State University is an equal opportunity, affirmative action employer and is strongly and actively committed to diversity within its community.

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.

NEW JERSEY INSTITUTE OF TECHNOLOGY, Faculty Positions: Dept. of Electrical & Computer Engineering. Several faculty positions are available in the Dept. of Electrical & Computer Engineering. Preferred specialized areas include: computer engineering, networking & security, computer architecture, computer-aided design of VLSI chips, reconfigurable & embedded systems, wireless communications, networking & security & smart antennas. The individuals sought will have the capability to add depth & experience to further strengthen the dept.'s reputation at the national level. The Assistant Professor level positions require a good research publication record in

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Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Assistant / Full Professor in Information Systems

We invite applications from candidates of international standing for a Full or Assistant Professor position in the area of Information Systems within the Department of Computer Science. In collaboration with the Professors working in this area, the new Professor will be expected to actively engage in the development of a new Master's program in Information Science and Engineering. It is therefore essential that the research and teaching interests of candidates cover core areas of competence in Information Systems. The successful candidate must also demonstrate the ability to teach a range of introductory and advanced courses in information systems not only to computer science students, but also to students of other disciplines.

Candidates should be active in a research area that would complement our research activities in core database technologies and information infrastructure. Applicants in all core areas of Information Systems are welcome, including areas such as novel database technologies, information systems engineering, metadata management, and collaborative systems. We particularly welcome candidates with a strong interest in developing systems and tools in support of their research.

Applications with curriculum vitae, list of publications, the names of at least three referees, and a short overview of your research interests should be sent to the **President of ETH Zurich, Prof. O. Kuebler, ETH Zentrum, CH-8092 Zurich, no later than November 30, 2003.** ETH Zurich specifically encourages female candidates to apply with a view towards increasing the proportion of female professors.

General information about the Department of Computer Science at ETH Zurich can be found at «<http://www.inf.ethz.ch>». Questions concerning this open position can be addressed to Prof. P. Widmayer, Head of the Department of Computer Science, CH-8092 Zurich (e-mail: widmayer@inf.ethz.ch), or Prof. M. Norrie (e-mail: norrie@inf.ethz.ch).

SUBMISSION DETAILS: Rates are \$235.00 per column inch (\$300 minimum). Eight lines per column inch and average five typeset words per line. Send copy at least one month prior to publication date to: Marian Anderson, Classified Advertising, *Computer Magazine*, 10662 Los Vaqueros Circle, PO Box 3014, Los Alamitos, CA 90720-1314; (714) 821-8380; fax (714) 821-4010. Email: manderson@computer.org.

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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 eecs@deshaw.com.

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

DE Shaw & Co

peer-reviewed journals & conferences, promising communication skills for effective teaching & potential for establishing an outstanding research program at NJIT. The Associate & Full Professor level positions require an outstanding record of publications in recognized peer-reviewed journals, excellent teaching skills & externally funded research grants & awards. Teaching responsibilities include both undergraduate & graduate level courses. Earned doctorate in electrical engineering, computer engineering or computer science required. Rank & salary will depend on experience. The Dept. of Electrical & Computer Engineering has 40 F.T. faculty, about 1,558 students & a growing enrollment. The ECE dept. is the largest in NJIT's Newark College of Engineering & in the NJ/NY metro area. NJIT, a public technological research university, has about 9,000 students pursuing baccalaureate through doctoral degrees & is a networked, computing-intensive campus. Research areas in the ECE dept. include: communications, signal processing & microwave, computer networking, computer architecture & digital systems, VLSI, solid state & electro-optics systems & intelligent systems. The dept. has excellent research environment with a research expenditure of over \$6 million per yr. & 5 multidisciplinary research centers: NJ Center for Wireless Telecommunications, NJ Center for Wireless Networking & Internet Security, Center for Communications & Signal Processing Research, Electronics Imaging Center & the Microelectronics Research Center with class 10 clean room facilities. The university reserves the right to substitute equivalent education and/or experience at its discretion. NJIT is an equal opportunity, affirmative action, equal access employer & especially encourages applications from minorities, women & persons with disabilities. Send CV, statement of teaching & research interests with a list of at least 3 references to: New Jersey Institute of Technology, attn: Personnel Box ECE-AAAP, University Heights, Newark, NJ 07102-1982.

CLEMSON UNIVERSITY, Department of Computer Science. The Department of Computer Science at Clemson University expects openings for tenure-track faculty positions at the Assistant Professor level in Computer Science and Information Systems. Outstanding candidates in all topic areas are encouraged to apply. Current faculty interests include algorithms and theory, databases, graphics & visualization, networking and systems, programming languages, and software engineering. Applicants should have a Ph.D. in Computer Science, Information Systems, or a

related discipline. The department has 19 faculty members, about 500 undergraduate majors, and over 100 graduate students. The department offers B.A., B.S., M.S., and Ph.D. degrees in Computer Science, and participates in interdisciplinary programs in E-Commerce and Digital Production Arts. An immediate goal is to seek accreditation of the B.S. program in Computer and Information Systems. Clemson is the land-grant university of South Carolina and has an enrollment of approximately 17,000. TIME magazine named Clemson the Public College of the Year for year 2001. U.S. News & World Report ranks Clemson 35th nationally among public universities. The University is located in Clemson, South Carolina, a small college town on beautiful Lake Hartwell at the foothills of the Blue Ridge Mountains. The area offers numerous outdoor activities. For additional details, please see www.cs.clemson.edu. Electronic applications, including names of three references, should be sent to search@cs.clemson.edu, preferably as a single PDF attachment. If unavoidable, hard copies may be mailed to Faculty Search Committee, Department of Computer Science, Clemson University, Clemson, SC 29634-0974. We will begin accepting applications immediately. Applications received by November 30 will receive full consideration. If positions are not filled, the search will continue until May 1, 2004. Clemson University is an Affirmative Action/Equal Opportunity Employer.

NAVAL POSTGRADUATE SCHOOL, Faculty Positions in Information Sciences. The Faculty of the Information Sciences Department at the Naval Postgraduate School invites applications for tenure track, senior lecturer, and visiting faculty positions in the areas of C4I Systems, Collaborative Systems, Computer Networks and Telecommunications Systems, Decision and Agent Technologies, Electronic Commerce and Acquisition, Information Operations, Information Architectures, Information Warfare, Knowledge Management, and Web-based Information Systems. We are also interested in candidates with experience or interest in distance learning and Web-based course development. Tenure track positions are at the assistant, associate or full professor level depending upon the qualifications of the successful applicant. Applicants must have a doctoral degree in information sciences/systems or a related field and possess a strong interest in graduate teaching and research in any of the above areas. Applicants nearing completion of a doctoral program with an excellent record of teaching or demonstrated research capability will be considered. Senior lecturer

positions require a graduate degree in the areas mentioned above; military experience is desirable. Salary is commensurate with experience. The start date for these positions is the Fall Quarter 2004 or earlier. The Department supports M.S. degrees in Information Systems Technology, Information Systems and Operations, Systems Technology, and Systems Engineering, as well as the Ph.D. in Information Sciences. The Department develops and maintains laboratories in Networks, Global Information Grid, Decision Support Systems, Software Metrics, and Internet to Sea. The Department also operates a number of research centers that are supported by reimbursable sponsors. Department faculty are affiliated with NPS-wide research institutes as well as other academic units at NPS, including the Graduate School of Business and Public Policy, the Defense Analysis Department, the Computer Science Department, and the Operations Research Department. NT and Unix servers on the campus backbone support access to campus-wide computing facilities and the Internet. The Naval Postgraduate School provides extensive research opportunities with Department of Defense research labs and commands, national laboratories, and has collaborative research affiliations with internationally-recognized academic institutions as well as Silicon Valley firms and major defense contractors. Monterey, California, is a delightful seaside community with an ideal climate located one hour south of Silicon Valley and two hours south of San Francisco. The Naval Postgraduate School is an Equal Opportunity Employer. Visit <http://www.nps.navy.mil/> for an overview of the Naval Postgraduate School. Please send your resume by email as an attached Word, pdf, or text file to: Professor Alex Bordetsky, Email: abordets@nps.navy.mil.

UNION COLLEGE, CS Department Chair. We invite applications and nominations for a department chair, to be added to our current six full-time positions in Sept. 2004. The department offers a B.S. degree, has a small M.S. program, and, with Electrical and Computer Engineering, offers a B.S. in computer engineering. The ideal candidate will be an established associate or full professor excited about leading a department in maintaining a strong program and in building closer ties with engineering, the sciences, and the arts. The college has a "converging technologies" initiative to support collaboration, and we welcome applicants with interdisciplinary interests. Candidates should hold a Ph.D. in computer science and have a record of excellent teaching and research. Union is a highly selective coeducational college

with programs in the liberal arts and engineering, and with a tradition of undergraduate research. The department offers a congenial working environment, excellent students, and labs with up-to-date Unix workstations and PCs. A recent external review was positive, and we have implemented its recommendations. Rensselaer Polytechnic Institute, the University at Albany, and the GE Global Research Center are nearby and offer opportunities for collaborative research. We are three hours from New York and Boston, and near the Adirondack Mountains. Salaries and benefits are competitive. For information on the application process, see www.cs.union.edu/chair.html, or write to David Hemmendinger, hemmendd@union.edu. Review of applications will start in November and continue until the position is filled. Union is committed to AA/EEO, and women and minorities are strongly encouraged to apply.

WEST VIRGINIA UNIVERSITY Program Coordinator and Research Associate Professor for NASA IV&V Research. This is a high profile position will be responsible for the University's contribution to NASA's IV&V Research Program. NASA considers this position to be critical to their ongoing efforts to improve Software Assurance as well as Validation and Verification. The incumbent will (i) consult with NASA on the relevance of current and proposed research to the success of actual NASA missions; and (ii) will advise NASA in strategic planning for new research. The incumbent will also teach, direct graduate students, and conduct research into matters of software assurance. For more information, <http://www.lcsee.cemr.wvu.edu/news/positionad.doc>, or inquiries to Bojan Cukic, Ph.D., Chair, Search Committee, PO Box 6109, Morgantown, WV 26506-6109, cukic@csee.wvu.edu. West Virginia University is an equal opportunity/affirmative action employer.

UNIVERSITY OF ARIZONA, Department Head – Department of Electrical and Computer Engineering, Tucson, AZ 85721. The Department of Electrical and Computer Engineering at the University of Arizona is looking for qualified individuals with leadership and a vision for the future in ECE. We seek candidates with a deep commitment to academic excellence and a strong vision to move the Department to emerging technologies. The department offers degrees in Electrical Engineering and Computer Engineering at both undergraduate and graduate levels with a strong tradition of balanced education

and research. The department has 900 undergraduate students, 350 graduate students, 37 full-time faculty and 25 administrative and technical staff personnel. Areas of research emphasis include biomedical engineering, digital and analog VLSI design, communications, computer networking and architecture, computer vision and robotics, control, image and signal processing, electromagnetics and microwaves, microelectronic devices and packaging, optics and optical communications, remote sensing and telemetry, and software engineering and information systems. The department interacts with and receives strong support from industrial and government partnerships amounting to over \$5M in annual funded research enhanced by participation in several major Centers from NSF, SRC, and industrial partnerships. Other major sponsors include AFOSR, NASA, ONR, DARPA, the Army, and numerous industrial sponsors. The Department is typically ranked as one of the top 30 among public institutions in the US. For more details see www.ece.arizona.edu. Qualified candidates should have a Ph.D. in electrical and/or computer engineering or a closely related field, a distinguished record of teaching and research, demonstrated leadership experience necessary to guide a vigorous research and instructional program at the graduate and undergraduate levels and increase the recognition of a modern ECE department, strong interpersonal skills, and a commitment to diversity. Please send curriculum vitae with names of 3 references and a vision statement to Department Head Search Committee, ECE Dept., University of Arizona, Tucson, 85721-0104. The search committee will begin reviewing applications mid-November, 2003 and the search will continue until a suitable candidate is appointed. The University of Arizona is committed to diversity and is an Equal Employment Opportunity Employer.

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

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

SOFTWARE ENGINEER. Responsible for developing, creating and modifying software for both scientific and business applications. Send resume to Attn: Leah Jones, Enthought Inc., 515 Congress Ave., Suite 1614, Austin, TX 78701.

US AIR FORCE ACADEMY, Distinguished Visiting Professor of Computer Science. 04-05 academic year, host institution reimbursed for all salary, benefits, and relocation costs. See <http://www.usafa.af.mil/dfcs/visiting> for details. Priority given to candidates who inquire before October 15th.

PURDUE UNIVERSITY. The Electrical and Computer Engineering Technology Department invites applications for anticipated openings of tenure-track faculty positions commencing August of 2004 at West Lafayette, Anderson, Kokomo, New Albany, and South Bend, Indiana. Candidates are expected to have a Master's degree in EE, EET, Computer Engineering, Computer Engineering Technology, or a closely related field; three years of relevant industrial experience; and a strong commitment to teaching undergraduate and graduate students. Major focus areas for this search are computer engineering and embedded controls. Other major areas of interest for this search include circuits, analog and digital electronics; electronics communications; industrial controls and automation; and electrical power. Faculty are also expected to participate in publishing, applied research, and fund-seeking activities such as grants and corporate sponsorships. Applications received by November 21, 2003 receive

priority consideration. Send a detailed resume with three references to: ECET Faculty Search Chairman, 401 N. Grant St., West Lafayette, IN 47907-2021. Nominations are also welcome. Purdue is an equal opportunity/affirmative action employer.

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.

HARVEY MUDD COLLEGE, Computer Science Department, Assistant Professor of Computer Science. The Computer Science Department of Harvey Mudd College intends to appoint a tenure-track Assistant Professor of Computer Science, to start 1 July 2004 (classes begin in September). We are searching for a candidate with a PhD in Computer Science who is excited by the undergraduate experience, and is devoted to excellence in teaching, as well as to the development of a research program involving undergraduates. Outstanding candidates in all areas of computer science will be considered. We are particularly inter-

ested in applicants with strengths in software architecture, databases, bioinformatics, and knowledge discovery. Applicants for one-year visiting appointments or partial appointments (such as sabbatical visitors) will also be considered. Harvey Mudd College is a highly-selective undergraduate college (680 students) emphasizing science, mathematics, and engineering. It is a member of the Claremont Consortium that includes Pomona College, Scripps College, Pitzer College, Claremont-McKenna College, Claremont Graduate University, and the Keck Graduate Institute of Applied Life Sciences. Visit <http://www.cs.hmc.edu> for more information about our department and the position. Applicants should respond with a curriculum vitae, a statement regarding teaching and research philosophy or plan, and supporting materials such as reprints. Concurrently, please ask three references to write to us directly. Reviews of applications will commence 15 January 2004. Email applications and reference letters (plain text preferred) are accepted: mike@cs.hmc.edu. US mail is also acceptable: Professor Michael A. Erlinger, Chair, Computer Science Department, Harvey Mudd College, 301 E. Twelfth Street, Claremont, CA 91711. Harvey Mudd College is an Equal Opportunity Employer and is committed to the recruitment of candidates traditionally underrepresented on college faculties.

UNIVERSITY OF OKLAHOMA, Faculty Position in Computer Science for Intelligent Systems. The School of Computer Science, in collaboration with the School of Aerospace and Mechanical Engineering and the School of Electrical and Computer Engineering, invites applications for a new faculty position with an emphasis in Intelligent Systems. Successful candidates will support a multidisciplinary effort to incorporate a new Intelligent Systems component in the Aerospace Engineering degree program and will be expected to develop and teach courses common to both Computer Science and Intelligent Aerospace Systems. Applicants must hold a Ph.D. in a relevant area and preference will be given to applicants with experience or training in the aerospace field. Research areas of interest include, but are not limited to, intelligent design, autonomous systems, robotics, machine learning, and embedded systems and software. The Schools of CS, AME, and ECE offer ABET-accredited B.S. degrees, as well as M.S. and Ph.D. degrees. CS has a faculty of thirteen, about 325 undergraduates, and about 150 graduate students. Further details about these three schools can be obtained at www.cs.ou.edu, www.ame.ou.edu, and www.ece.ou.edu. Applicants are requested to

submit a letter of intent along with a curriculum vita and the names and addresses of three references to the address below. Applications will be reviewed as they are received; the search will continue until the position is filled. Chair, Intelligent Systems Search Committee, School of Computer Science, University of Oklahoma, 200 Felgar Street, Engineering Laboratory, Room 144, Norman, Oklahoma 73019. Phone: (405) 325-4043, Fax: 405-325-4044, e-mail: IntellSearch@cs.ou.edu. The University of Oklahoma (www.ou.edu) is a comprehensive university located in Norman, Oklahoma. Norman has a population of 93,000 (1998 est.) and one of the best public school systems in the nation. The University and the Norman area offer a wide range of cultural and recreational activities. Norman is located near Oklahoma City (1,060,000 metro area). The University of Oklahoma's beautiful 2,000 acre Norman Campus serves over 22,000 students from all 50 states and 111 countries. The University of Oklahoma is an Equal Opportunity/Affirmative Action Employer. Women and Minorities are encouraged to apply.

COLLEGE OF WILLIAM & MARY, Faculty Positions in Computer Science. Applications are invited for several tenure-track faculty positions in Computer Science for either Spring 2004 or Fall 2004 at all academic ranks. Applicants must hold a Ph.D. in computer science or a related field. Appointment at the assistant professor level requires that the applicant must hold a Ph.D. at the time of appointment and demonstrate a strong research record and high interest in teaching. Appointment at a senior level requires a documented record of sustained excellence in both research and teaching. We are primarily interested in individuals with research expertise in the following areas: algorithms, compilers, computational biology, computer and network security, database systems, and graphics and visualization. However, strong applicants from all other areas of computer science will be considered. The College of William and Mary, consistently ranked in the elite group of the Best National Universities--Doctoral by U.S. News and World Report, has committed to a multi-year effort to build a strong Computer Science research program. The department currently consists of fourteen faculty members who support B.S., M.S. and Ph.D. programs. More information about the department and the University can be obtained at <http://www.cs.wm.edu>. Applicants should submit a resume, statements of research and teaching purposes, the names of at least three references and any supporting documents to: Faculty

Search Committee, Department of Computer Science, College of William & Mary, P.O. Box 8795, Williamsburg, VA 23187—8795. Questions and application materials can be e-mailed to search@cs.wm.edu. Review of candidates will begin immediately and continue until all positions are filled. The College is an EEO/AA employer.

UNIVERSITY OF STUTTGART, GERMANY. Professorship (C4) Information Services. Applicants are sought for a full professorship in the Department of Computer Science and Electrical Engineering of the University of Stuttgart. The appointed professor will also be head of the central computer centre of the University of Stuttgart. The research and teaching expertise of applicants should encompass at least two of the following areas: large-scale web-based applications, middleware components, multi-media information management (e.g., media storage, digital libraries), multi-media communication services, security and network and system management. The participation of the appointed professor in the university's centres of excellence and other research initiatives is highly desired. Also appropriate management experiences are required to run the central computer centre. Normally, first-time professorial contracts at universities in Baden-Württemberg are subject to review within 3 years. For more information see: <http://www.f-iei.uni-stuttgart.de/aktuell/C4InformationServicesEn.html>. The University of Stuttgart wishes to increase the proportion of female academic staff and, for this reason, especially welcomes applications from women. Handicapped persons with the same qualifications will be given preference.

UNIVERSITY OF KANSAS, Department of Electrical Engineering and Computer Science, Bioinformatics Faculty. The Department of Electrical Engineering and Computer Science (EECS) of the University of Kansas (KU) seeks two outstanding individuals to fill tenure track faculty positions in the disciplines of computer science or computer engineering with a focus on bioinformatics theory/sciences. The successful faculty candidate is expected to contribute to the development of academic and research programs in computing with an application focus in bioinformatics while participating in research collaborations. KU has a major commitment to support life sciences research, including significant support for bioinformatics, and there are outstanding opportunities for collaboration with oth-

ers on the Lawrence campus, KU Medical Center in Kansas City, KS. Of particular interest is expertise in databases, information modeling, algorithm optimization, knowledge management, collaborative technologies, grammars, compilers and programming languages; all with direct application to bioinformatics. Candidates are sought for all ranks, ranging from Assistant Professor to Distinguished Professor. Candidates for Distinguished Professor must meet university-wide criteria specific to such an appointment. The successful candidates should have an earned doctorate or equivalent in computer engineering, computer science, or related fields. Demonstrated research and academic leadership is required for senior ranks. EECS is the largest department in the KU School of Engineering, with 28 faculty and a research volume of over \$6 million. EECS offers undergraduate and graduate degrees in electrical engineering, computer engineering, and computer science, and has approximately 600 undergraduate and 250 graduate students. For more information concerning this position, the University of Kansas, Lawrence, see http://www.eecs.ku.edu/jobs/bioinformatics_search. The appointment will be effective as negotiated. Applications and nominations should be sent to Dr. Victor Frost, Search Committee Chair, The University of Kansas, Nichols Hall, 2335 Irving Hill Dr., Lawrence, KS 66045. Applications should include a letter of application, curriculum vita, and the names and addresses of three references. Applications will be reviewed beginning November 1, 2003 and will be accepted until the position is filled. The University of Kansas is an EO/AA employer.

STANFORD UNIVERSITY, Department of Computer Science, Faculty Openings. The Computer Science Department of Stanford University invites applications for tenure-track faculty positions at the junior level (Assistant or untenured Associate Professor). We are seeking applicants from all areas of Computer Science, including Foundations, Artificial Intelligence, Graphics, Databases, Systems, Human Computer Interaction, and Networking. The department also has interest in applicants doing research at the frontiers of computer science, for instance biological computing, bio-informatics, computation and arts, or computational economics. Higher priority will be given to the overall innovation and promise of the candidate's work than to any specific 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. Successful candidates will be expected

to teach computer science 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>. 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 positions are available beginning Autumn 2003. Stanford University is an equal opportunity, affirmative action employer.

UNIVERSITY OF DELAWARE, Faculty Positions in Electrical and Computer Engineering. Applications are sought for two junior level, tenure-track faculty positions in the Department of Electrical and Computer Engineering. The positions are available starting in September 2004. Applications in all areas of research are welcomed. Candidates in the following areas are particularly sought: computer engineering, computer/sensor networks, wireless communication theory, biomedical science and engineering, bioelectronics, systems biology, nanostructures and electronic devices, MEMS/integrated optical systems, and cyber security. Applicants should have a Ph.D. in electrical engineering, computer engineering, or a closely related field. Successful candidates are also expected to have demonstrated excellence in innovative research and have the potential for high quality teaching and mentoring. Faculty members are expected to carry out a vigorous research program, teach and supervise students at the graduate and undergraduate levels. The Department is growing dynamically with an annual research expenditure budget approaching nine million. Building expansions completed in 2002 provide significant additional space, including new offices, laboratories, and clean room facilities. Recent awards received by current faculty include seven NSF CAREER awards, an NSF PECASE award, and three ONR Young Investigator Awards. For additional information about the Department and the University, please visit our web-

site at <http://www.ece.udel.edu>. Applicants should send a resume, a statement of research and teaching interests and achievements, and a list of at least three references to: Faculty Search Committee, Department of Electrical and Computer Engineering, University of Delaware, Newark, DE 19716. Application material may also be electronically submitted at fsearch@ece.udel.edu. Review of applications will begin October 15th and will continue until the position is filled. The UNIVERSITY OF DELAWARE is an Equal Opportunity Employer which encourages applications from Minority Group Members and Women.

UNIVERSITY OF CHICAGO. The University of Chicago Department of Computer Science invites applications for Postdoctoral Research Associate. This is open to individuals who have a doctorate in Mathematics or Computer Science. They must have a background in geometry and topology as well as machine learning. The applicant must have a publication record in geometry, topology, and machine learning. They must also have experience in C++ and Matlab. This appointment is for up to two years. There is no teaching obligation. Complete applications consist of (a) a curriculum vitae (including citizen information), (b) three or more letters of reference, including one which addresses teaching ability, and (c) a description of previous research and plans for future research, including a brief (200 words or less) summary of your research interests. Applications should be sent to: Appointments Secretary, Department of Computer Science, University of Chicago, 1100 E. 58th Street, Chicago, IL 60637. We will begin screening applications on November 1, 2003. The deadline to apply is October 15, 2003. Screening will continue until the position is filled. The University of Chicago is an Equal Opportunity/Affirmative Action Employer.

PENN STATE UNIVERSITY. PENN STATE BEAVER invites applications for a COMPUTER SCIENCE faculty member. This position may be either a tenure-track or multi-year appointment dependent upon qualifications. Penn State Beaver is a campus of Penn State's Commonwealth College. The Commonwealth College, comprised of 12 campuses geographically dispersed throughout the Commonwealth of Pennsylvania, is the largest college of the Pennsylvania State University. RESPONSIBILITIES: Teach basic and intermediate programming courses for computer science majors and programming foundations courses for engineers and business majors. Provide support to the Design and Development option of the bac-

calaureate degree in Information Sciences and Technology. Publish in refereed journals (tenure-track position); participate in professional organizations, course, curriculum, and program development; advise students and provide career guidance; and participate in service activities. QUALIFICATIONS: Ph.D. in computer science or related field for tenure-track appointment; Master's degree required in computer science or related field for multi-year appointment. Evidence of potential in research and publication is expected for tenure-track appointment. Commitment to high quality instruction in a student-centered environment is desired. Interest in active and collaborative learning and the instructional use of technology is an advantage. Prior collegiate level teaching experience is preferred. Enthusiasm for working in a multidisciplinary environment is important. To learn more about the campus, and the college, please visit <http://cwchome.psu.edu>. APPLICATION: Submit a letter of application, resume, the names, addresses, and phone numbers of three references (including e-mail) to: COMMONWEALTH COLLEGE FACULTY SEARCHES, PENN STATE UNIVERSITY, 111 OLD MAIN, BOX CS, UNIVERSITY PARK, PA 16802. Applications will be accepted until the position is filled. Penn State is committed to affirmative action, equal opportunity, and the diversity of its workforce.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Faculty Positions. The Department of Electrical Engineering and Computer Science (EECS) seeks candidates for faculty positions starting in September 2004. We anticipate openings for several faculty appointments for individuals who are completing, or who have recently completed, a doctorate. In special cases, a senior faculty appointment may be possible. Faculty duties include teaching at the graduate and undergraduate levels, research, and supervision of student research. We will consider candidates with backgrounds and interests in all areas of electrical engineering and computer science. Candidates must register with the EECS search website at eecssearch.eecs.mit.edu. Materials may be submitted electronically to the website or sent to the address below. Candidate applications should include a description of your professional interests and your goals in both teaching and research. Each application should include a curriculum vitae and the names and addresses of three or more individuals who will provide letters of recommendation. Letter writers should submit their letters directly to MIT, either on the website or by mailing to the address below. Please respond by January 15, 2004. Send all materials not submitted

on the website to: Professor John Guttag, Department Head, Electrical Engineering and Computer Science, Massachusetts Institute of Technology, 38-403, 77 Massachusetts Avenue, Cambridge, MA 02139. M.I.T. is an equal opportunity/affirmative action employer.

SENIOR ABAP DEVELOPER. Emsar, Inc., a leading international designer & manufacturer of pumps & dispensers, has an opening for a Senior ABAP Developer in Stratford, Connecticut. The successful candidate will have a Master's degree or foreign equiv. in Computer Science or an Engineering field and three years experience as a Senior ABAP Developer or as an SAP Consultant with experience in ABAP programming and functional experience in finance and logistics modules and manufacturing. Salary is commensurate with experience in conjunction with complete benefits package. Qualified candidates send resume and salary history to: Emsar, Inc., Human Resources Department (Code: ABAP), 125 Access Road, Stratford, CT 06615. FAX 203-377-9877. No phone calls please. EOE.

UNIVERSITY OF MINNESOTA, Minneapolis, Minnesota. Positions available in Computer Engineering, Department of Electrical and Computer Engineering. The Department invites applications and nominations for tenure track or tenured positions at the assistant or associate professor levels in the general area of Computer Engineering. Specialties of primary interest include computer architecture, hardware-software codesign, VLSI, and embedded systems. However, exceptional candidates in all areas of strategic need in the Department will receive due consideration. A successful candidate is expected to establish a vigorous funded research program and teach at the undergraduate and graduate levels, and have demonstrated interest in interdisciplinary research activities. The requirements for these positions include an earned Doctorate in an appropriate discipline at the time of the appointment and outstanding academic and research records. Rank and salary will be commensurate with the qualifications and experience of the selected candidate. Applications and nominations should be sent with a resume containing the names of three references to: Chair, Faculty Recruiting Committee, Department of Electrical and Computer Engineering, University of Minnesota, 200 Union Street SE, Minneapolis, MN 55455. Positions are available for immediate occupancy. The University of Minnesota is an equal opportunity educator and employer. See our web site <http://www.ece.umn.edu> for further information about the department and additional faculty openings in other areas.