Tenure Track Position
Faculty of Engineering and Computer Science

The Department of Computer Science and Software Engineering at Concordia University invites applications for one tenure-track faculty position. We are looking for an excellent candidate in any area of Computer Science or Software Engineering. The rank and salary will be commensurate with qualifications and experience. The new position requires a PhD degree in Computer Science or Software Engineering, or a closely related field, completed or near completion.

The department places a strong emphasis on teaching and on fundamental and applied research. For the rank of Assistant Professor we seek primarily candidates who have recently obtained a PhD or who are about to receive it. A publication record or very strong research potential is required, as is strong interest and ability in teaching at the undergraduate and graduate levels. For the rank of Associate Professor, excellent credentials in both research and teaching are required. A successful candidate is expected to contribute to course and laboratory development at all levels of instruction, to be active in research, and to secure external research funding. The department encourages interdisciplinary research partnerships, industrial collaborations, and technology transfer.

The department offers Bachelor of Computer Science and Bachelor of Engineering (Software Engineering) programs. The programs are accredited by CSAC and CEAB, respectively. At the graduate level, it offers a Master of Computer Science, a Master of Applied Computer Science, a PhD (Computer Science), and a Postgraduate Diploma in Computer Science. The department houses about 1100 undergraduates and 500 graduate students. The 38 full-time faculty members are assisted by 18 full-time staff members. The Department has a research centre CENPARMI (Centre for Pattern Recognition and Machine Intelligence), is involved in two inter-university research centres (mathematical computing and VLSI architectures), and participates in the Network of Centres of Excellence. The University has several programs to provide seed grants for research in the beginning years.

The department is located in downtown Montreal, an exciting and dynamic city noted for fine restaurants, excellent entertainment, and an urban setting with many opportunities for a rich social life. Montreal combines the excitement of a modern, multicultural city with affordable housing and easy access to outdoor activities. It is also noted for its four major universities and more than two hundred local high-tech companies.

Montreal is currently enjoying high growth in the software industry’s main areas of development, especially in telecommunications, aerospace, software development, and multimedia. Montreal is rapidly gaining a reputation as one of Canada’s leading high-tech centres. There is ample opportunity for industrial collaboration.

Although the primary language at Concordia University is English, proficiency in French is considered an asset. Interested applicants should send a detailed curriculum vitae, a list of publications, and at least three references to:

Prof. C. Lam, Chair Department of Computer Science and Software Engineering Concordia University
1455 de Maisonneuve West Montreal, Quebec H3G 1M8 Canada
Tel: (514) 848-2424 ext. 3001
Fax: (514) 848-2830
Email: hiring@cse.concordia.ca
Website: http://www.cse.concordia.ca

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. Concordia University is committed to employment equity.

WASHINGTON STATE UNIVERSITY.

The School of Electrical Engineering and Computer Science at Washington State University invites applications for one tenure-track position in computer science and two in computer engineering at the rank of assistant professor. Applicants must have earned a Ph.D. in computer engineering, computer science, or electrical engineering by August 15, 2005. Candidates must have a strong interest in and a demonstrated capacity to conduct publishable research and must display the potential for successful teaching. A record of publication in refereed journals and conference proceedings is essential. Areas in computer engineering given highest priority will be computer architecture, digital system design, embedded systems, networks, hardware-software co-design, design automation, test and verification, fault tolerance, reconfigurable systems, VLSI design, and nanotechnology. In computer science the highest priority areas will be software engineering, databases, security, networking/distributed systems, and bioinformatics. However, outstanding candidates who have specialized in other areas will also be considered. The successful candidate will be expected to teach, effectively communicate and interact with students and colleagues, conduct funded research, and direct MS and PhD student research programs.

WSU is a Carnegie Research 1 University located in Pullman, a diverse university town near the Washington/Idaho border 75 miles south of Spokane. Pullman is known for its high quality of life, including an excellent K-12 public school system. The region is renowned for its scenic beauty and recreational opportunities. Pullman combines the facilities of a major university with the convenience of a small town to provide a highly productive work environment for its faculty and students. The University of Idaho is located seven miles to the east of WSU. The proximity of these universities ensures an academic and cultural atmosphere which is far more vibrant and stimulating than that of other towns of similar size. WSU’s location also facilitates collaboration with Seattle-area companies. Such collaborations are supported financially by the State of Washington through the Washington Technology Center and the Washington Research Foundation. The School of EECS has forty faculty. Research expenditures in the School exceed $3.5 million per year. Research facilities are excellent, including several hundred workstations, high-speed networking, and dedicated laboratory space. The School offers new junior faculty a reduced teaching load for the first three years of their appointment. To learn more about WSU, the School, and faculty research interests, consult http://www.eecs.wsu.edu/. Screening of applications will begin upon receipt and continue until
The Air Force Research Laboratory/Information Directorate is seeking a national leader in the field of Information Systems Science and Technology for the Chief Scientist (ST) position in the Air Force Research Laboratory, Rome, NY.

The Information Directorate conducts USAF research, exploratory and advanced development activities in knowledge based technologies, computer science and technology, collaborative environments, signal processing, information fusion and exploitation, command & control decision support, aerospace connectivity, networking, information management and cyber operations. The Chief Scientist provides scientific leadership, advice and guidance throughout the laboratory on research plans and programs in core area and related technologies. The Chief Scientist serves to focus research and development efforts associated with the interrelated group of technologies and strengthen the in-house activities of the laboratory. The Chief Scientist conceives, plans, and advocates major research and development activities; consults with the laboratory director, the technology director and staff concerning the total systems science and technology programs and guides the quality of scientific and technical resources; and provides expert technical consultation to other AFRL directorates, DOD agencies, universities and industry. The position requires an internationally recognized authority in information systems science and technology with the ability to conceive and conduct advanced research and development. The incumbent must make significant contributions to the advancement of knowledge in the field as evidenced by numerous important scientific publications and by citation of the work by others.

The candidate must have at least three years of specialized experience within the broad area of information systems science and technology as applied to areas such as: battlespace awareness, dynamic planning and execution, and global information enterprise with specific research experience in areas that support these broad topics such as: information fusion and exploitation, predictive battlespace awareness, information assurance, cyber operations, communications & networks, effects based operations, collaborative enterprises, modeling and simulation, intelligent agents, machine reasoning, information management, or intelligent information systems. At least one year of this research experience must demonstrate that the candidate has leadership experience in planning and executing difficult research activities resulting in outstanding attainments in information systems science and technology; or planning and executing specialized programs of national significance in exploratory and advanced development of information systems science and technology.

In the past, successful candidates for ST positions in the Air Force have had 10 to 15 years of progressively responsible research work after attainment of a PhD which significantly advances knowledge in the field. This work has included authorship of numerous refereed publications such as in archival journals, books, or book chapters, national or international peer group activity, and recognition as a Fellow of a professional society.

Candidates will be considered for direct hire either as a permanent senior level government employee, or as a temporary (up to 4 years) appointment under the Intergovernmental Personnel Act (IPA). Incumbent will enjoy DV-6 protocol, equivalent to a one star general officer.

Salary is commensurate with experience. Exceptionally well qualified candidates outside the government may be eligible for a recruitment bonus. Position is located in the beautiful four-season Mohawk Valley in central New York State at the Griffiss Business and Technology Park. The immediate region features some of the nation’s top academic institutions such as Cornell University, Syracuse University, University of Rochester, Binghamton University, the State University of New York at Buffalo, Rensselaer Polytechnic Institute and a host of other universities, colleges and junior colleges.

The announcement opened 22 December 2004 and will close on 29 March 2005. Applications must be received by the closing date or they will not be considered.

The official Office of Personnel management announcement with instructions for completing your application can be found at www.opm.gov, announcement number AF ST-04-08.

Additional information on this announcement may be obtained by calling the Senior Leader Management Office at (937) 257-1094. You may also learn more about the Information Directorate by visiting: http://www/rafa/ml.

The Air Force is an Equal Opportunity Employer
THE UNIVERSITY OF NEBRASKA AT OMAHA, Tenure Track Assistant Professor or Above, Computer Science Department. Candidates are sought in the following areas: software engineering, network security, parallel and distributed computing, and databases in mobile environment. Exceptional candidates in other areas will also be considered. One of the requirements is an earned doctorate in computer science or a closely related area. Applicants interested in the position are asked to apply on line at: http://careers.unomaha.edu. Where the full text of this advertisement can be found. The Information Science and Technology (IST) College, which includes the computer science department, is housed in the Peter Kiewit Institute, a new state-of-the-art facility for teaching and research. Financial support of the institute, now exceeding $180M, reflects a unique business-academic partnership. Degrees of B.S., M.S., and Ph.D. are offered. We invite you to visit our website at: http://www.ist.unomaha.edu. The University of Nebraska at Omaha has a commitment to developing and maintaining a diverse faculty and staff and strongly encourages those from underrepresented groups to apply for this position. The University of Nebraska at Omaha is an Affirmative Action/Equal Opportunity employer.

UNIVERSITY OF LOUISIANA AT LAFAYETTE, The Center for Advanced Computer Studies, Faculty Position, Graduate Fellowships. Candidates with a strong research record and an earned doctorate in computer science or computer engineering are invited to apply for a tenure-track assistant professor faculty position starting August 17, 2005. Target areas include Grid Computing, Visualization, and Distributed Software Systems. Consideration will also be given to outstanding candidates in other areas. The candidate must have demonstrated potential to achieve national visibility through accomplishments in research contracts and grant funding, publications, teaching and supervising graduate students. Faculty teach mostly at the graduate-level and offer a continuing research seminar. State and university funds are available to support research initiation efforts. Salaries are competitive along with excellent support directed towards the attainment of our faculty’s professional goals. The Center’s colloquium series brings many world known professionals to our campus each year. The Center is primarily a graduate research unit with programs leading to MS/PhD degrees in computer science and computer engineering. Approximately 220 graduate students are enrolled in these programs, including 80 PhD students. The Center has been ranked 46th in a recent NSF survey based on research and development expenditures, and ranked 35th among the top 100 graduate programs in North America by the Communications of the ACM, based on research publications. The Center has state-of-the-art research and instructional computing facilities, consisting of several networks of SUN workstations and other high performance platforms. In addition, the Center has dedicated research laboratories in Computer Vision and Pattern Recognition, Intelligent Systems, Computer Architecture and Networking, Cryptography, FPGA and Reconfigurable Computing, Internet Computing, Virtual Reality, Software Research, VLSI and SoC, and Wireless Technologies. Related university programs include the CSAB (ABET) accredited undergraduate program in Computer Science, and the ABET accredited undergraduate program in Electrical and Computer Engineering. Additional information about the Center may be obtained at http://www.cacs.louisiana.edu/. A number of PhD fellowships, valued at up to $18,000 per year including tuition and most fees, are available. They provide support for up to four years of study towards the PhD in computer science or computer engineering. Eligible candidates must be U.S. citizens or must have earned an MS degree from a U.S. or Canadian university. Recipients also receive preference of low-cost campus housing. The University of Louisiana at Lafayette is a Research Intensive University, with an enrollment of 16,500 students. Additional information may be obtained at http://www.louisiana.edu/. The University is located in Lafayette, the hub of Acadiana, which is characterized by its Cajun music and food, and joie de vivre atmosphere. The city, with its population of over 120,000, provides many

Universität Karlsruhe (TH)

The Faculty of Informatics at the University of Karlsruhe (TH), one of the leading computer science departments in Germany, invites applications for an

Associate Professorship with Tenure (W3) for Software Engineering

The successful applicant from academia or industry must have excellent qualifications in software engineering, especially in one or more of the following areas:
- Requirements Engineering,
- Software modeling and model transformations,
- Component software,
- Quality Assurance,
- Software Reengineering,
- Software for mobile and ubiquitous systems, embedded and realtime systems.

The university seeks an outstanding and innovative researcher who will both complement and build on existing strengths. A commitment to teaching and participation in the informatics education is expected.

The University of Karlsruhe (TH) is an equal opportunities employer and welcomes applications from women. Handicapped applicants will be treated preferentially if equally qualified.

In the case of a first time vocation for a professorship the service will be limited in time at first, exceptions are possible.

Applications containing a resume and a list of publications should be sent by March 25, 2005 to: Dean of the Faculty of Informatics, University Karlsruhe (TH), D-76128 Karlsruhe, Germany. Tel.: +49 721 608-3976, E-Mail: dekanat@ira.uka.de.
recreational and cultural opportunities. Lafayette is located approximately 120 miles west of New Orleans. The search committee will review applications and continue until the position is filled. Candidates should send a letter of intent, curriculum vitae, statement of research and teaching interests, and names, addresses and telephone numbers of at least four references. Additional materials, of the candidate’s choice, may also be sent to: Dr. Magdy A. Bayoumi, Director The Center for Advanced Computer Studies, University of Louisiana at Lafayette, Lafayette, LA 70504-4330. Tel: 337.482.6147; Fax: 337.482.5791. The University is an Affirmative Action/Equal Opportunity Employer.

DARTMOUTH COLLEGE, Director of the William H. Neukom Institute of Computational Science. Dartmouth College invites nominations and applications for the position of Director of the William H. Neukom Institute of Computational Science. We seek a prominent scientist whose vision and leadership will establish this interdisciplinary Institute at Dartmouth. Made possible by a generous gift, the William H. Neukom Institute will strengthen and broaden research in computational science. At the same time it will increase the undergraduate student awareness of and accessibility to computational science across the College. Dartmouth is committed to building a world-class Institute that will leverage existing efforts on campus. The director will hold a tenured full-professor position in the department of Computer Science. She/he must be a skilled academic administrator who has the vision and ability to position the Institute at the forefront of research and education. In addition to the Director, three new tenure-track faculty positions are available with at least two being in departments other than Computer Science. Resources for undergraduate research, graduate and post-doctoral fellowships, equipment, outreach, and administrative support will be available. With over 4,000 undergraduate and 1,500 graduate students and a tenure-track faculty of 355 in arts and sciences and 743 in professional schools, Dartmouth College combines the best features of an undergraduate liberal arts college with the intellectual vitality and resources of a research university. This highly selective institution has been a leader of American higher education since 1769. Sixteen graduate programs are offered in the arts and sciences, and the three professional schools of business, engineering, and medicine. Dartmouth College is committed to diversity and encourages applications from women and minorities. Dartmouth is an Equal Opportunity, Affirmative Action employer. Additional information is available at http://www.dartmouth.edu. All applications, nominations and inquiries should be directed to: Professor Scot Drysdale, Department of Computer Science, Dartmouth College, 6211 Sudderick Laboratory, Hanover, NH 03755-3510. E-mail: recruit@cs.dartmouth.edu. Applicants should send letter of application, a curriculum vitae, a research and a teaching statement, and the names of at least four professional references. Review of applications will begin on February 15 and continue until the position is filled.

GANNON UNIVERSITY, Electrical and Computer Engineering Faculty. Gannon University, a Catholic university located in Erie, Pennsylvania, invites applications for a tenure-track assistant professor position in Computer Engineering for Fall 2005. Committed to excellence in teaching, Gannon has a strong relation-
ship with regional industry. Areas of priority and specialization include object-oriented programming, embedded systems, computer architecture, mixed-signal VLSI circuits and systems; however, exceptional candidates from other areas will be considered. Must be able to support and promote the University’s mission, its Catholic identity, and its liberal arts tradition. Requirements include an earned Ph.D. in Electrical and Computer Engineering or a closely related field. Successful candidates will be expected to provide evidence of outstanding potential in teaching and securing external funding. Submit a cover letter, CV, teaching and research statements, and the contact information for three references: to Gannon University, Engineering Search, 109 University Square, Erie, PA 16425; email hardcopy mailed to Dr. Jack A. Barnes, Chair Faculty Search Committee, c/o Muriel Bockenstedt, Department of Computer Science, Texas Tech University, 302 Pine, Abilene, TX 79601. Review of applications will begin as they are received. Applications will be accepted until the position is filled, assuming the anticipated availability of funds. Candidates must be currently eligible to work in the United States. Texas Tech University is an equal opportunity/affirmative action employer that encourages diversity and invites women and underrepresented groups to apply.

TEXAS TECH UNIVERSITY. The Department of Computer Science invites applicants in all areas of Computer Science for a position as the Director of the Abilene Institute and Tenured Professor of Computer Science starting the academic year 2005-06. This position will be at the Texas Tech University graduate campus in Abilene, Texas. The Abilene Institute is dedicated to conducting leading-edge research in computer science and related areas. The Director of the Abilene Institute is expected to lead efforts to secure extramural funding, develop external collaborations, provide the vision and leadership to establish new initiatives and programs, recruit Institute staff, and provide support for Agency Liaison activities. It is critical for the Director to develop relationships with state and federal funding agencies and other government officials. The Professor position provides a synergy between the Institute and the Computer Science Department graduate campus in Abilene. The successful candidate’s academic achievement and professional reputation should be superior and should have resulted in national recognition. The candidate should have an outstanding record of peer-reviewed publications, and funded research. The Computer Science Department in the College of Engineering at Texas Tech University offers a Ph.D., M.S., and B.S. in Computer Science and an M.S. in Software Engineering. The Abilene campus offers only the graduate degrees. We offer competitive salaries, a friendly and cooperative environment, and excellent research facilities. State-of-the-art two-way video facilities allow the Lubbock and Abilene sites to exchange course offerings and to conduct collaborative faculty and committee meetings. More information on the department is available at http://www.cs.ttu.edu. Applicants must have a Ph.D. degree in computer science or a closely related field and should send a curriculum vita, contact information for at least five references, and supporting documents such as statements about past accomplishments in research and leadership. Electronic submission of application materials in PDF is preferred. Electronic submission should be sent to muriel.bockenstedt@coe.ttu.edu or hardcopy mailed to Dr. Jack A. Barnes, Chair Faculty Search Committee, c/o Muriel Bockenstedt, Department of Computer Science, Texas Tech University, 302 Pine, Abilene, TX 79601. Review of applications will begin as they are received. Applications will be accepted until the position is filled, assuming the anticipated availability of funds. Candidates must be currently eligible to work in the United States. Texas Tech University is an equal opportunity/affirmative action employer that encourages diversity and invites women and minorities.

DRESDEN UNIVERSITY OF TECHNOLOGY, Master of Computer Science (MCS), Dresden, Germany. The computer science department of TU Dresden is a top-tier department in Germany. We offer two International Master Programs in computational engineering and computational logic. As a state supported institution, the tuition for these programs is free! The focus of the computational logic program is on building software-intensive systems. For more information please see http://www.computational-engineering.de.

ILLINOIS INSTITUTE OF TECHNOLOGY, Faculty Position, Department of Computing and Information Sciences. The department of Computing and Information Sciences at Kansas State University invites applications for a tenure-track position beginning in Fall 2005. Preference will be given to candidates in the areas of Bioinformatics, data mining, data management, and data integration. Applicants must be committed to both teaching and research. Applicants should have a Ph.D degree in computer science with demonstrated expertise in Bioinformatics; salary will be commensurate with qualifications. Applications must include descriptions of teaching and research interests along with copies of representative publications. Kansas State University is committed to the growth and excellence of the CIS department. Details of the department can be found at...
BIOLOGICAL AND MEDICAL INFORMATION SYSTEMS

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...1-4 years maximum experience ...
...up to 5 years experience ...
...up to 7 years experience ...
...10 years maximum experience.

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February 2005