

## Assistant Professor Positions, Department of Computer Science

The **Department of Computer Science**, Faculty of Science, at the University of Calgary is continuing a large expansion and seeks outstanding candidates for tenure track positions at the Assistant Professor level.

Applicants for professorial stream appointments are expected to establish an extensive research agenda and to teach at the graduate and undergraduate levels. Successful candidates will be expected to actively supervise and recruit graduate students into their program. Peer-reviewed external funding is normally expected to be sustained throughout the appointment and industrial partnerships are strongly encouraged if appropriate. Applicants must possess a doctorate in Computer Science or related discipline at the time of appointment, and have a strong research record. Successful applicants will be enthusiastic about contributing to both teaching and research.

Applicants in the following areas are sought:

1. One candidate is sought in the area of **Theory**. The Department has expertise in quantum complexity, distributed computation, computational mathematics (including computational number theory and cryptography, computer algebra and computational geometry) and theoretical aspects of programming language design. The successful candidate will have a strong research record in computer science theory and augment existing areas in the department.
2. One candidate is sought in the area of **Information Visualization/Human Computer Interactions**. The Department has expertise in HCI, information visualization, and human-robot interactions. As part of recent iCORE/NSERC industrial chair appointments, we have the opportunity to expand in this area. The successful candidate will complement existing strengths in this area and help us to enhance our established international reputation.
3. The Department has recently recruited an iCORE Chair in **Information Security** and the intention is to cluster and strengthen the existing research and teaching within the department in this area. We are seeking applicants with preferred areas including, but not limited to, network security, applied cryptography, and application security. The successful applicant will establish their own research program while working with the information security team by contributing to conceiving, designing and carrying out a research agenda in security/cryptography. We have an international reputation in innovative teaching methodology with our courses on viruses and malware, and spam and spyware.
4. One candidate is sought in the area of **Computer Games**. The Department currently has an undergraduate concentration in games and has approval to recruit in any games related area. The successful applicant is expected to take the lead in developing the undergraduate concentration and to establish a

research agenda. Games related research that may originate from more established computer science disciplines will be given full consideration. Possible related areas include, but are not limited to: graphics, HCI, SE, internet games delivery, etc...

The department is one of Canada's leaders as evidenced by our commitment to excellence in research and teaching. It has an expansive graduate program and extensive state-of-the-art computing facilities. Calgary is a multicultural city that is the fastest growing city in Canada. Calgary enjoys a moderate climate located beside the natural beauty of the Rocky Mountains. Further information about the Department is available at <http://www.cpsc.ucalgary.ca/>.

Interested applicants should send a CV, a concise description of their research area and program, a statement of teaching philosophy, and arrange to have at least three reference letters sent to:

**Dr. Frank Maurer**

Department of Computer Science  
University of Calgary  
2500 University Drive NW  
Calgary, Alberta, Canada  
T2N 1N4

Or email to: [search@cpsc.ucalgary.ca](mailto:search@cpsc.ucalgary.ca)

The applications will be reviewed beginning November 2008 and the process will continue until the positions are filled. Later applicants should note that our hiring committee will stop accepting new applicants by late April 2009.

*All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority.*

*The University of Calgary respects, appreciates, and encourages diversity.*

The see all University of Calgary academic positions, please visit [www.ucalgary.ca/hr/career](http://www.ucalgary.ca/hr/career).