

Two Assistant Professor Positions, Data Science & Information Security

Department of Computer Science, Faculty of Science, University of Calgary

The Department of Computer Science (CPSC) at the University of Calgary seeks outstanding candidates for two tenure-track positions at the Assistant Professor level. Applicants must have an exceptional publication record (for the seniority level of the position) and possess a PhD in Computer Science (or equivalent) at the time of appointment. Successful applicants must be enthusiastic about contributing to both teaching and research.

Applicants are sought in the areas of **Data Science** or **Information Security**.

The successful *data science applicant* should have demonstrated expertise in creating big data applications, machine learning, data analytics, or data mining. We are also particularly interested in applicants using data science approaches to enhance software engineering processes.

The successful *information security applicant* should have demonstrated expertise in applied cryptography, system security, or network security. We are also particularly interested in applicants with expertise in building secure software systems.

Both applicants should also be able to work in close collaboration with other researchers at the University of Calgary. Interdisciplinarity in an applicant's research is an asset.

The successful candidates are expected to establish an independent research program aligned with the University of Calgary's Eyes High vision, and to provide high-quality teaching at both the undergraduate and graduate levels. They will actively recruit and supervise graduate students. Peer-reviewed external funding is expected to be obtained and sustained. Industrial partnerships are also strongly encouraged, as appropriate.

Recently ranked #1 among young universities in North America, the University of Calgary has significant ongoing research activities in fundamental and applied analytics as well as information security. Information security, information visualization, visual analytics, human-computer interaction, and engineering of analytics applications are current strengths, leading to close interactions with experts from a wide variety of application domains. Cross-disciplinary teams are tackling big data challenges in energy, health informatics, life sciences, and other areas. Analytics and visualization have been identified as core platform by the University of Calgary, triggering investments in these and related research areas. The Faculty of Science Institute for Security, Privacy and Information Assurance (ISPIA) is a multi-disciplinary Institute at the University of Calgary, devoted to research and educational activities in all aspects of information protection, with strong linkages to industry and community

The Department of Computer Science is one of Canada's leaders, with demonstrated excellence in teaching and research. It has large undergraduate and graduate programs, state-of-the-art computing facilities, and successful multi-disciplinary linkages. Calgary is a multi-cultural city and enjoys a moderate climate beside the natural beauty of the Rocky Mountains. Further information is available at <http://www.cpsc.ucalgary.ca>.

Interested applicants should send a CV, a concise description of their research, a statement of teaching philosophy, and a list of 3 references via email to search@cpsc.ucalgary.ca, or physical mail to:

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

The deadline for applications is December 1, 2017 or until the positions are filled. Hiring decisions will be finalized in Spring 2018, with the successful candidates joining the University of Calgary in July 2018.

University of Calgary believes that a respectful workplace, equal opportunity and building a diverse workforce contribute to the richness of the environment for teaching, learning and research, and provide faculty, staff, students and the public with a university that reflects the society it serves. All qualified candidates are encouraged to apply; however Canadians and permanent residents will be given priority. In this connection, at the time of your application, please answer the following question: Are you a Canadian citizen or a permanent resident of Canada? (Yes/No)

In support of the University of Calgary's promotion of a diverse workforce, the Faculty of Science is committed to showing leadership in diversity, equity and inclusion and nurturing a healthy and respectful workplace environment for all.

About the University of Calgary

The University of Calgary is a leading Canadian university located in the nation's most enterprising city. The university has a clear strategic direction to become one of Canada's top five research universities, where innovative teaching and ground-breaking research go hand in hand, and where we fully engage the communities we both serve and lead. The strategy is called Eyes High, inspired by our Gaelic motto, which translates to 'I will lift up my eyes'.

To succeed as one of Canada's top universities, where new ideas are created, tested and applied through first-class teaching and research, the University of Calgary needs more of the best minds in our classrooms and labs. We're increasing our scholarly capacity by investing in people who want to change the world, bringing the best and brightest to Calgary to form a global intellectual hub and achieve advances that matter to everyone.

To view a listing of all available academic opportunities and to find out more about what the University of Calgary has to offer, please visit our Academic Careers website.

About Calgary, Alberta

Named a cultural capital of Canada and one of the best places to live in the world, Calgary is a city of leaders - in business, community, philanthropy and volunteerism. Calgarians benefit from a robust economy and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the majestic Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.