UNIVERSITY OF CALGARY

<u>Postdoctoral Scholar position</u>

Area: Network Security
Duration: One year
Start date: Immediately
Salary: $50,000 -- $60,000 (depending on experience) plus benefits

The **Department of Computer Science** in the **Faculty of Science** at the University of Calgary is accepting applications for a Postdoctoral Scholar in **Network Security.**

Job Description:

We are looking for a talented and motivated Postdoctoral Scholar to join a collaborative project between Information Security and Networking Group at the University of Calgary in the area of secure communication protocols focusing on post-quantum security. The successful applicant is expected to lead the project activities related to building a Software-Defined Networking (SDN) testbed, as well as participating in the design and implementation of secure communication protocols that will be implemented on the testbed. Specific responsibilities include:

- Conduct research on new and existing topics in communication protocols for long-term security.
- Lead the design and deployment of an SDN testbed for experimenting with secure communication protocols.
- Work in a collaborative environment advising junior graduate students, organizing research meetings and managing research projects.
- Author peer-reviewed scientific articles and contribute to grant proposals.

The Postdoctoral Scholar will work closely with Profs. Rei Safavi-Naini (http://www.cpsc.ucalgary.ca/~rei/) in the security group and Majid Ghaderi (http://www.ucalgary.ca/~mghaderi) in the networking group. The initial appointment is for one year, with possible renewal subject to satisfactory performance and funding availability.

Qualifications:

- PhD in Computer Engineering, Computer Science, Mathematics or related fields. PhD completed within the last 3 years.
- Experience working with SDN/OpenFlow.
- Established record of peer-reviewed publications.
- Strong programming skills.
- Excellent written and oral communication skills.

Application details:
Please direct questions to Prof. Ghaderi (mghaderi@ucalgary.ca). To apply, please send your CV along with a cover letter stating your intention and availability to mghaderi@ucalgary.ca. Please put "PostDoc Application" in the subject of your email.

About the University of Calgary
The University of Calgary is Canada's leading next-generation university – a living, growing and youthful institution that embraces change and opportunity with a can-do attitude. Located in the nation's most enterprising city, the university is making tremendous progress on its Eyes High journey to be recognized as one of Canada's top five research universities, grounded in innovative learning and teaching and fully integrated with the community it both serves and leads. The University of Calgary inspires and supports discovery, creativity and innovation across all disciplines. For more information, visit ucalgary.ca.
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.

About Calgary, Alberta
Calgary is one of the world's cleanest cities and has been named one of the world's most livable cities for years. Calgary is a city of leaders – in business, community, philanthropy and volunteerism. Calgarians benefit from the strongest economy in the nation and enjoy more days of sunshine per year than any other major Canadian city. Calgary is less than an hour's drive from the Rocky Mountains and boasts the most extensive urban pathway and bikeway network in North America.

The University of Calgary recognizes that a diverse staff/faculty benefits and enriches the work, learning and research experiences of the entire campus and greater community. We are committed to removing barriers that have been historically encountered by some people in our society. We strive to recruit individuals who will further enhance our diversity and will support their professional success while they are here. We encourage all qualified applicants to apply, however preference will be given to Canadian citizens and permanent residents of Canada.