

Postdoctoral fellow in Information Security at ECE Dept. University of Victoria.

This position will primarily involve the development of privacy-preserving protocols for diverse applications in the Internet of Things (IoT). The protocols to be developed necessitate expertise in cryptographic techniques including zero-knowledge proofs, multiparty computations, homomorphic encryption, among others. The postdoctoral fellow will be responsible for leading their individual projects, working collaboratively with Dr. Riham AlTawy. Additionally, they will offer mentorship to other members of our research group on various projects.

Responsibilities

- Lead project design, write research papers, and write literature review sections in grant applications.
- Coordinate and communicate project goals with group members and external collaborators.
- Advise and supervise graduate and undergraduate students working on other projects.
- Prepare presentations and publications, including figure production, writing and editing, and present findings in international conferences.

Qualifications

- Recent completion of a PhD in a related discipline.
- 4+ years of research experience in information security, cryptography, or related area.
- Strong organizational and time management skills
- Strong oral and written communication skills
- Preferably good experience with artificial intelligence and machine learning analytical methods

How to apply

Submit application package as a single document to: raltawy@uvic.ca with the subject line "PDF application"

- 1 page cover letter
- Curriculum Vitae (including publication list)
- Academic transcripts

The fellowship will be for a one-year appointment, renewable subject to performance. The position is available from now until filled. Review of applications will begin immediately.

Funding

The expected stipend for this position is \$45,000 to \$50,000 per year depending on experience. If the candidate has external funding such as NSERC PDF or similar, a reduced stipend will be negotiated.