

POSTDOCTORAL POSITION IN NSERC Industrial Research Chair in Strategic Construction Modeling and Delivery

The Department of Civil and Environmental Engineering is looking for a postdoctoral researcher position in the area of construction engineering and management to work under the NSERC Industrial Research Chair in Strategic Construction Modeling and Delivery (the "Chair"), held by Dr. Aminah Robinson Fayek. The Chair program is a 5-year funded program in partnership with the Natural Sciences and Engineering Research Council of Canada (NSERC), the University of Alberta, and 8 industrial partner organizations in the construction industry, including owners, contractors, and labour organizations. The mandate of the Chair is to conduct state-of-the-art industrially relevant research in several strategic areas in construction. Further information on research in Dr. Robinson Fayek's group may be found at <http://www.uab.ca/stratcon/>.

The ideal candidate should have experience in construction engineering and management, statistical methods, survey design, artificial intelligence, simulation, fuzzy logic, and programming in a variety of languages. The candidate should hold a Ph.D. in construction engineering and management, computer engineering, and/or computer science; have excellent written and oral communications skills; and have a record of publishing in peer-reviewed journals. Experience in the construction industry is an asset.

Responsibilities will include, but are not limited to, the following:

- Perform high-level, complex research activities under the direction of the IRC Chairholder.
- Coordinate or participate in data collection: instruct interviews, determine sample-selection criteria, develop and administer questionnaires and interviews, collect data on site, and supervise transcribers.
- Design experiments, research methods, data collection protocols, and standards, in consultation with the IRC Chairholder.
- Set research activities, in consultation with the IRC Chairholder.
- Assist or coordinate the analysis of results.
- Assist in computer implementation and coordinate with computer programmer.
- Assist in the writing of research papers, preparation of presentations and publications, under the direction of the IRC Chairholder.
- Present research results in meetings, seminars, scientific conferences, and/ or related settings.
- Assist in the guidance and coaching of students and research assistants, under the direction of the IRC Chairholder.
- Foster communication with off-campus partners.
- Assist with preparation of research grant applications and contract proposals.
- Assist with administrative-related duties of the program.

To Apply:

Applicants should send a cover letter, a curriculum vitae, the contact information of three referees, and sample of relevant publications to Dr. Aminah Robinson Fayek, Department of Civil and Environmental Engineering, 7-287 Donadeo Innovation Centre for Engineering, Edmonton, Alberta, Canada T6G 1H9, or electronically to aminah.robinson@ualberta.ca.

Closing date:

Review of applications will begin immediately, and applications will be accepted until the position is filled.

We thank all applicants for their interest; however, only those individuals selected for an interview will be contacted.

The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.