POSTDOCTORAL POSITION IN

Integrated Watershed Management and Adaptation under Changing Climate

The Watershed Science & Modelling Lab of the Earth and Atmospheric Department at the University of Alberta is looking for an innovative and highly motivated candidate to develop models and conduct research on adaptation to changing water in western Canada under uncertain future climate change. The successful candidate will utilize established physical-based models for hydrology and water demand of agriculture, environment and other water-use sectors in Alberta to study dynamic interactions of anthropogenic and natural systems and to examine 'integrated watershed management' and adaptation options under uncertainty and facing climate change impact with an interdisciplinary approach at river basin scale. The end goal is to provide scientifically credible knowledge for formulating adaptation measures and informed decision making in an uncertain future in western Canada.

Qualifications and Specific Skills
- PhD degree in Water Resources Engineering and Management, Environmental Engineering and Sciences, Agricultural Sciences or a closely related fields
- Track record of success in publishing peer reviewed papers in related scientific journals
- Proficient knowledge and understanding of watershed hydrology with a specific focus on system analysis and integrated water resources management.
- Proficient knowledge and understanding of principles and applications of system dynamic models, hydrologic models, water allocation models and statistical methods for processing and analysis of environmental data
- Proficient knowledge of scripting and programming for large database management
- Ability to work both independently and collaboratively, prioritize, adapt to rapidly shifting priorities and manage research projects from start to scientific publication
- Superior written, communication and interpersonal skills for effective and efficient development of scientific publications and interaction with other researchers and public

To Apply:
Forward your updated CV to Dr. Monireh Faramarzi.

Contact Name: Monireh Faramarzi
Address: University of Alberta; Department of Earth and Atmospheric Sciences; Edmonton, AB T6G 2E3, Canada
Email: faramarz@ualberta.ca
T: 780 492-7241 (+1 if outside Canada)

Closing date:
Position open until 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.