

New PhD Opportunity on “water-food-environment-climate change”

The **Watershed Science & Modelling Lab** of the Earth and Atmospheric Department at the University of Alberta invites applications for a PhD position. An innovative and highly motivated candidate is sought to conduct research project on issues around water resources modelling and management. Development of interactive tools and models is expected to specifically study the dynamic processes involved in ground water and surface water supply and demand under changing climate.

Qualifications and Specific Responsibilities

The successful candidates for this position will have to meet the following criteria:

- Candidate must have an MSc degree in hydrology, environmental engineering, environmental sciences, water resources management or a closely related fields.
- Candidate should have basic understanding of watershed geo-hydrology with a specific focus on soil-plant-water relationship and interactions with climate and land management practices.
- Candidate must have basic understanding of process-based hydrologic models, large dataset compilation and processing, or alternatively, development of subroutines to complement process-based watershed models. Skills in GIS, remote sensing data processing, and programming in R (or similar languages) and statistical analysis are desirable.
- Track record of success in publishing peer reviewed papers are desirable.
- Applicant must have strong written and oral communication skills and be able to work both independently and collaboratively.

Location

The job is full time, located at the Watershed Science & Modelling Laboratory led by Dr. Faramarzi at the Department of Earth and Atmospheric Sciences, University of Alberta:

<http://cms.eas.ualberta.ca/faramarzilab/>

Salary

A minimum of (\$26000 CAD/year)

Term

Full PhD program (4 years with the possibility of extension).

Contact

Send a Curriculum Vita; statement of research interest (indicating what questions in job advertisement you find interesting and important, and why, as well how you think progress could be made); names and email addresses of 3 referees to Dr. Monireh Faramarzi via faramarz@ualberta.ca

Closing date:

Position open until filled.