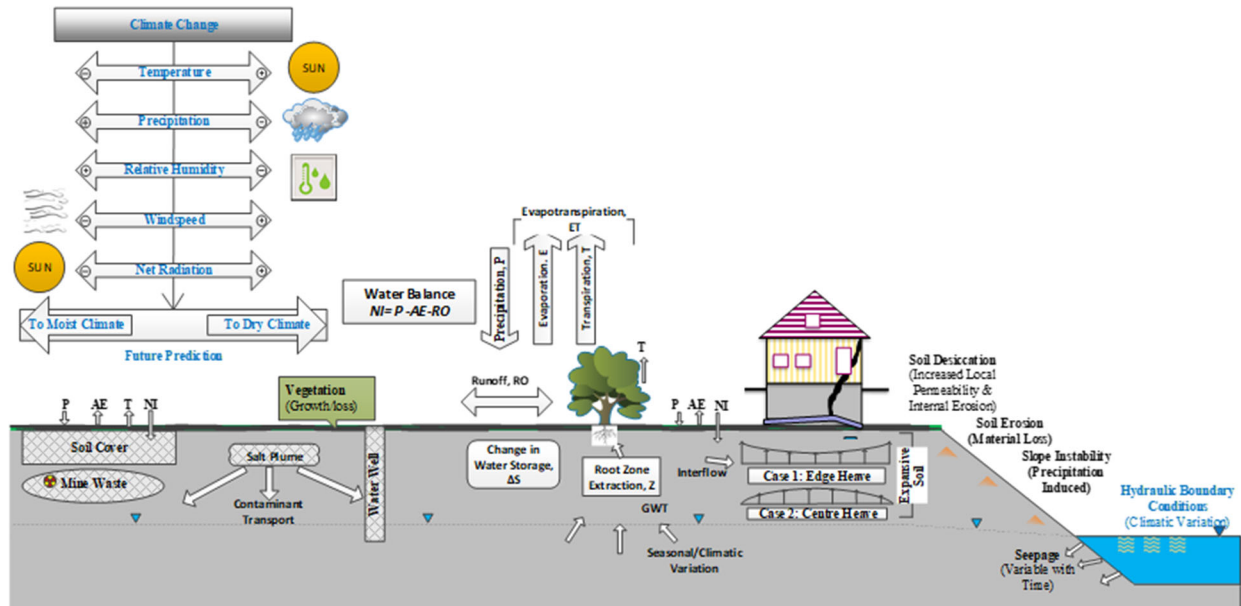


PhD Position in Numerical Modeling of Climate/Climate Change impact in Unsaturated Flow and Transport Systems



Opportunity

A fully funded PhD Position is available in the Department of Civil Engineering (<https://lassonde.yorku.ca/civil/>) at Lassonde School of Engineering (<https://lassonde.yorku.ca/>) in York University (<https://www.yorku.ca/>). I am looking for a PhD student to work on a project related to Numerical Modeling of Climate/Climate Change impact in Unsaturated Flow and Transport Systems. The project involves calculation of energy and water budget that quantifies both the flow of heat and moisture within the soil and also the exchange of heat and moisture at all interfaces (ground/air or ground/snow; snow/air).

Requirements

I am looking for a talented and ambitious PhD Student with initiative, motivation and endurance. You are keen to invest in the growth of both yourself and our team. You should have:

- A MSc degree (or equivalent) in Civil Engineering, Earth Sciences, Soil Physics, Petroleum Engineering or a related discipline;
- Solid Background in Unsaturated flow and transport, Finite Element Methods, Climate/Climate Change is required;
- Experience in numerical modeling of systems related to the vadose zone and/or multi phase flow systems
- Strong interest in programming, experience of coding in Fortran is a must;
- Excellent communication skills in English.

Funding

The position is fully funded, preference will be given to Canadian Citizens and Permanent Residents. Exceptional international students will also be considered.

Contact:

Please reach out to Prof. Rashid Bashir (rbashir@yorku.ca)