



Post-Doctoral Fellowship – Simulating Reservoir and Land Management in Watershed Models

We are seeking to hire an environmentally-focused post-doctoral fellow (PDF) to join our multi-disciplinary, multi-institutional project team. Team members consist of scientists and graduate students from Ryerson University, the Ontario Ministry of the Environment, Conservation, and Parks, and Environment and Climate Change Canada. The successful applicant will work closely with the rest of the team to improve the representation of reservoirs and land management change in an existing application of the HYPE watershed model. The position also entails co-supervision of a masters student focused on generalizing details of land management from field scale survey data to landscapes.

The 24-month position will be based at Ryerson University in Toronto. This would be an excellent opportunity for a PDF to build a network that includes academic and government science, while addressing a number of issues of local and global importance – land use change, reservoir dynamics, and nutrient pollution.

Applicants must have a doctoral degree in science, environmental management or engineering. Preference will be given to candidates with strong quantitative skills and a proven publication record in one or more of the following areas: aquatic biogeochemistry, ecology, hydrology, statistical or geospatial analysis. Experience with scripting language(s) such as R, MATLAB, or Python would be an asset, as would experience with one or more GIS software environment(s), such as ArcGIS, QGIS, GRASS, SURFER, etc. Experience with watershed modelling would also be an asset, but is not necessary.

Please submit your application package electronically as a single pdf file to (christopher.wellen@ryerson.ca); include “Dam_Postdoc_Surname_FirstName” in the subject line. Your application should contain:

- A cover letter stating your motivation and qualifications for applying to this position, as well as your research experience and interests (1 page max);
- A resume; and
- Contact information for 3 references. References will only be contacted in case of short-listing.

Closing date: Applications will be reviewed April 30, 2021.

Proudly diverse and intentionally inclusive, Ryerson University is committed to community engagement, action, inclusion, respect for Aboriginal perspectives, equity, diversity and putting people first. Ryerson was named one of Canada’s Best Diversity Employers in 2019. We thank all applicants for their interest, however, only those individuals selected for an interview will be contacted.