



# Employment Opportunity



**Job ID:** #GEN-24-03  
**Job Title:** Postdoctoral Fellow  
**Department:** Faculty of Engineering  
**Campus:** Thunder Bay, ON  
**Status:** Full Time, Contract (12 months) Anticipated Start Date: May 1, 2024  
**Job Category:** Research

**Date Posted:** April 16, 2024  
**Closing Date:** April 30, 2024

## Why Lakehead University?

Thunder Bay is one of Canada's top emerging cities. Here you will find a mix of modern city living and the best of nature – all on your doorstep. Thunder Bay provides small city affordability, big city opportunities and the bonus of a superior lifestyle. When it comes to location, nature and cost of living, Thunder Bay is one of the best places to live in Canada. For more on the vibrant city of Thunder Bay, visit [thunderbay.ca](http://thunderbay.ca).

At Lakehead University we challenge the conventional to provide a university experience that's far from ordinary. Your unique ideas will be respected and encouraged. Join our thriving academic community where you can make a real difference through innovation and collaboration.

Lakehead is a comprehensive University with a reputation for innovative programs and cutting-edge research. In 2022, for the third year in a row, Lakehead University was included in the top 100 of the Times Higher Education Impact Rankings. Lakehead is the highest ranked university in the world with under 10,000 students. Maclean's has once again included Lakehead University among Canada's top 10 primarily undergraduate universities in the magazine's 2023 University Rankings.

## About this Job

Lakehead University's Civil Engineering Department is thrilled to announce an opening for a Postdoctoral Fellow position under the supervision of Dr. Ahmed Elshaer. This exceptional opportunity invites dedicated researchers to contribute to a pivotal project focused on enhancing climate resiliency for indigenous communities.

The successful candidate will be integral to Dr. Elshaer's strategic research initiative, aimed at characterizing climate hazards and assessing the climate resiliency of structural systems. This project is vital for developing sustainable solutions for indigenous communities facing climate challenges.

## Job Duties

The selected candidate will engage in a variety of experimental and numerical research methods, such as wind tunnel testing, finite element analysis, and computational fluid dynamics. In addition to conducting research, the individual will be involved in writing

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research papers and proposals, as well as mentoring graduate and undergraduate research students. The role requires primarily working as a full-time employee at Lakehead University's campus, although it may include occasional research-related travel. The appointment is set for a duration of 52 weeks and will remain open until the position is filled.

## Qualifications

The ideal candidate for this position must hold a Ph.D. in civil engineering or a related field. Additionally, proficiency in programming is highly desirable and considered a significant asset. Candidates should also exhibit strong analytical, experimental, and computational skills, demonstrating their capability to effectively contribute to the research initiatives at hand.

## Working Conditions

- Office environment

## What do We Offer?

This position offers a competitive remuneration package including salary, comprehensive benefits package, life insurance, pension plan.

Lakehead University has a commitment to supporting employees and providing opportunities for flexible and diverse work arrangements. We are proud to share the [Alternate Work Arrangement Guideline](#) as a step to creating innovative schedules that work for our employees to promote a quality work-life balance. Please inquire with the hiring manager if this position is eligible for an Alternate Work Arrangement.

## How to Apply

Interested candidates are encouraged to compile their application materials into a single PDF document. This document should include a 2-page cover letter that outlines their qualifications and aptness for the position, a current resume, and the contact details for three professional references. Once prepared, this comprehensive PDF should be emailed to Dr. Ahmed Elshaer at [aelshaer@lakeheadu.ca](mailto:aelshaer@lakeheadu.ca). Please ensure that the email's subject line reads "Candidate for NOHFC 2024 – Postdoctoral Fellow – Dr Elshaer" to ensure proper categorization and attention to your application.

Lakehead University

Dr. Ahmed Elshaer – Faculty of Engineering  
955 Oliver Road, Thunder Bay, ON. P7B 5E1  
Email: [aelshaer@lakeheadu.ca](mailto:aelshaer@lakeheadu.ca)

This opportunity is proudly supported by Northern Ontario Heritage Fund Corporation and is funded through the Workforce Development Program. Eligibility requirements of the program can be found here: <https://nohfc.ca/en/pages/programs/people-talent-program/workforce-development-stream>.



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**We appreciate your interest; however, only those selected for an interview will be notified. Lakehead University is committed to creating a diverse and inclusive environment and welcomes applications from all qualified individuals including women, racialized persons, Indigenous people, persons with disabilities and other equity-seeking groups. All qualified candidates are encouraged to apply; however, Canadian citizens and permanent residents will be given priority. This is in accordance with Canadian immigration requirements.**

**Lakehead University is committed to supporting an accessible environment. Applicants requiring accommodation during the interview process should contact the Office of Human Resources at (807) 343.8010 ext. 8334 or [human.resources@lakeheadu.ca](mailto:human.resources@lakeheadu.ca) to make appropriate arrangements.**