

Postdoctoral Associate for the CIRCLE Project
Department of Earth Sciences
Western University

The Department of Earth Sciences is seeking a highly motivated candidate for a Postdoctoral Associate for the CIRCLE (Community and Infrastructure Resilience to Climate-geological Long-term Effects) project. Funded by the New Frontiers in Research Fund–International program, this interdisciplinary project will integrate quantitative impact assessments of physically interconnected infrastructures subject to hydroclimatic-geological multi-hazards and qualitative socioeconomic evaluation to identify vulnerable people and to co-produce pre-disaster preparedness-recovery plans by engaging with coastal communities in Canada, Cuba, and Indonesia with diverse cultural and social settings.

Position and Qualifications

The successful candidate must hold a PhD in an Earth Sciences, Engineering, Geographical Sciences, Statistical Sciences, Disaster Risk Management, or a related field, and possesses skills and experiences that complement the objectives of the CIRCLE project (https://www.uwo.ca/multihazard_risk_resilience/CIRCLE_project/index.html). The key research areas of the CIRCLE project include: geophysics (earthquakes and tsunamis), coastal hazards (e.g., storm surges), climate change and sea level rise, quantitative risk analysis for the built environment (e.g., buildings and infrastructure), uncertainty analysis (e.g., machine learning and AI), early warning and evacuation, disaster risk management, and community disaster resilience. A strong track record of research in relevant areas or demonstrated familiarity with these disciplines is essential.

The successful candidate's responsibility consists of two main parts: project management for the CIRCLE project (50%) and research contributions to the project related to the candidate's expertise and interest (50%). The project management tasks include various communications and coordination among project participants (investigators and collaborators in Canada, United Kingdom, Cuba, and Indonesia) and organizations of project meetings and international/local workshops in Canada, Cuba, and Indonesia. The candidate will also contribute to research activities related to the Center for Multi-hazard Risk and Resilience (https://uwo.ca/multihazard_risk_resilience/).

The salary will be in the range of **\$55,000 – \$65,000 per year** and **the position will be initially filled for one year**. The preferred starting date is **September 1, 2024**, but is negotiable. The position can be extended upon satisfactory performance and funding availability (up to February 2027).

Application Procedure:

Applications will be accepted by email. Please submit the following items as pdf files to Dr. Katsu Goda (kgoda2@uwo.ca):

1. A cover letter that outlines their qualifications and experience, interest in this position, and available start date
2. An up-to-date curriculum vitae (that includes contact information for three referees);
3. A list of graduate courses taken, and grades obtained.

The review of applications will begin on **June 17, 2024**, and will continue until the position is filled. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents. Applicants should have fluent written and oral communication skills in English. The University invites applications from all qualified individuals. We thank all applicants for their interest, but only those selected for an interview will be contacted.

About Western:

Western University delivers academic experience second to none. Western challenges the best and brightest faculty, staff and students to commit to the highest global standards. Our research excellence expands knowledge and drives discovery with real-world application. Western attracts individuals with a broad worldview, seeking to study, influence and lead in the international community. Since 1878, The Western Experience has combined academic excellence with life-long opportunities for intellectual, social, and cultural growth in order to better serve our communities.

The University invites applications from all qualified individuals. Western is committed to employment equity and diversity in the workplace and welcomes applications from women, members of racialized groups, Indigenous persons, persons with disabilities, persons of any sexual orientation, and persons of any gender identity or gender expression. Accommodation is available for applicants with disabilities throughout the recruitment process.

About the Department:

Western's Department of Earth Sciences is a collegial and dynamic department combining cutting-edge academic and applied research with strong mentorship and teaching at both the graduate and undergraduate level. Our graduates can be found in industry, academia and governments across Canada and around the world. Our department currently offers programs for professional registration in Geology, Geophysics, and in Environmental Geoscience. More information on our department is available at <https://www.uwo.ca/earth/>.