

Postdoctoral Researcher Position in Earthquake Mechanics, McGill University

The Earthquake Seismology group in the Department of Earth and Planetary Sciences (<http://www.mcgill.ca/eps/>), McGill University, invites applications for a postdoctoral researcher position in earthquake cycle modeling. The project aims to investigate earthquake rupture and slow slip processes using numerical models constrained by surface displacement observations. The primary role of the postdoc researcher is to integrate earthquake and aseismic slip model with Bayesian data assimilation method toward the development of a fault slip predictive system with a focus on the Cascadia subduction zone. The successful candidate will also be affiliated with the interdisciplinary Earthquake Process Group in EPS, and will join a collaboration with the Department Atmospheric and Oceanic Sciences at McGill.

Applicants should have a doctoral degree in earthquake seismology, geomechanics, or a related field, with a strong background in earthquake source physics and fault mechanics. Experience with earthquake rupture modeling and/or data assimilation is highly preferred. The Department is committed to diversity and equity in employment and takes an active role in building a talented, inclusive, and culturally competent workforce. We welcome and encourage applications from all genders, Indigenous persons, people with disabilities, members of visible/racialized minorities, LGBTQIA+ individuals, and other underrepresented groups.

For full consideration, applicants should send a CV, a list of references, and a statement of research interest by email to Yajing Liu (yajing.liu@mcgill.ca) by February 1st, 2021. This position will remain open until filled. The anticipated start date is May 1st, 2021 (negotiable). The appointment will be initially one year, and can be renewed for a second year based on performance and funding availability. Applicants must have been awarded their Ph.D. within three years of their start date, with allowances made for an acceptable delay in research or period of inactivity (i.e. illness, parental leave, etc.).

McGill seeks to ensure the equitable treatment and full inclusion of people with disabilities by striving for the implementation of universal design principles, across all facets of the University community, and through accommodation policies and procedures. Individuals who anticipate needing accommodations for any part of the application process may contact, in confidence, accessibilityrequest.hr@mcgill.ca, or phone at 514-398-2477.

Full listing at <https://www.mcgill.ca/eps/department/employment-opportunities>