



Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Link's Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

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Job Board Posting



Careers.Indigenous.Link

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POST DOCTORATE FELLOW: THERMAL ENERGY MAPPING FOR

Job ID	58683-7156	
Web Address	https://careers.indigenous.link/viewjob?jobname=58683-7156	
Company	McMaster University	
Location	Hamilton, ON	
Date Posted	From: 2024-04-26	To: 2050-01-01
Job	Type: Full-time	Category: Education

Description

Post-Doctoral Fellow - Thermal Energy Mapping for Decarbonization of HeatingInitial 1 year contract with possible extension for another year, immediate start date Description Design and conduct research while receiving advanced training from a designated Principal Investigator to enhance professional skills and research independence needed for pursuit of a research career. Develops and evaluates numerical models. Designs and evaluates experiments. Develops new ideas that promote current research. Prepares and publishes scientific manuscripts under the direction of the Principal Investigator. May be responsible for operation of specific equipment. May teach techniques to others, train, and supervise research staff. The initial appointment is for one year, renewal expected if progress is satisfactory, and funds are available.

Minimum QualificationsA doctoral degree (Ph.D.) in an appropriate field (e.g., engineering, computer science, physics, mathematics, etc.). Experience related to the following: Thermofluids, Energy Systems, HVAC Load Prediction, Building Energy Modeling, GIS, Database analysis, Machine learning and AI applied to Energy Systems, or other Data Analytics Studies. Previous experience in programming languages (e.g. C++, Java, C#, Matlab, Python). Familiarity with data analytics such as data base development and population, load disaggregation techniques, data visualisation techniques, data analysis techniques, machine learning forecasting techniques. Energy measurement system design and data acquisition experience would be an asset. Excellent scientific writing ability and strong oral communication skills. The ability to work effectively and collegially with colleagues. Additional qualifications as specified by the Principal Investigator. Additional DetailsThe McMaster Institute for Energy Studies seeks a postdoctoral fellow with world-class expertise in the area of Thermal Energy Mapping for Decarbonization of Heating. The goal is to help cities and communities identify local climate action opportunities to decarbonize heating with existing local energy resources in support of the UN Sustainable Development Goals. The applicant will join a multi-disciplinary research team that uses data analytics and visualization techniques to identify community thermal energy sources relative to community heating loads. A systems-level approach to integrate thermal generation, storage, distribution and consumption at the community level will then be developed to significantly reduces greenhouse gas (GHG) emissions.

For more information, visit McMaster University for POST DOCTORATE FELLOW: THERMAL ENERGY MAPPING FOR