

Postdoctoral Scholar or Research Scientist Position in Climate Modeling for Simulations of Surface Wind Velocity

Job Description

Professor James King's research group, Laboratoire d'érosion éolienne (LÉÉ), in the Department of Geography at University of Montreal, is currently seeking to hire a postdoctoral scholar or a PhD-level research scientist to conduct a research project on historical and future wind climatology for the region of the Quebec province in Canada. The successful candidate will have the opportunity to conduct interdisciplinary research on topics such as direct and indirect climate-pollution interactions as well as the development of high-resolution climate models. The project is part of a larger study to understand the impacts of climate change on air quality in Quebec.

The position is renewable for up to four years. As such, the hire is at either the postdoctoral scholar level or, for a more experienced candidate, at the research scientist level. The salary will be commensurate with the level of experience following and qualifying for all the regulations outlined by the University of Montreal.

University of Montreal ranks amongst Canada's top three research universities, and living in the city of Montreal has many academic, financial and cultural advantages, including the presence of four major universities in the city, a relatively low cost of living, as well as a great diversity of communities in the city. This position will be based at the new Campus MIL campus, an easily accessible and LEED ND certified building.

Required Job Qualifications

- Ph.D. degree in atmospheric science, chemistry, physics or a closely related field, from an accredited institution in a relevant field at the time of appointment;
- Experience in climate and weather analyses based on observational data, homogenization of climate variables, reanalysis and climate model outputs;
- Excellent knowledge and solid experience in scientific programming for the access and the processing of large volumes of climate data, as well as the development, production, visualization and transfer of climate information to non-climate science users;
- A strong motivation to contribute to interdisciplinary research;
- Demonstrated proficiency in oral and written English.

Preferred Qualifications

- Analysis tools in Python and Matlab, in the UNIX/Linux environment;
- Ability to work in a team environment with tight deadlines;
- Ability to work independently and take relevant initiatives;
- Ability to multi-task with partners having diverse profiles in a climate services approach;
- French proficiency is desirable but not required.

Application

Applicants should send a CV, a list of three references and a brief statement of research interests to Prof. James King (js.king@umontreal.ca). Priority consideration is for applications received on or before March 15, 2021. The appointment will begin in April or May 2021.

In order to apply for this position, you must be able to be authorized to work in Canada; otherwise, your application will be automatically excluded. Communication will only those candidates selected for an interview.

The University of Montreal and LÉÉ are strongly committed to fostering diversity within their community as a source of excellence, cultural enrichment, and social strength. We welcome those who would contribute to further diversification including, but not limited to women; visible minorities; First Nations, Inuit and Métis peoples; persons with disabilities; and persons of any sexual orientation or gender identity and expressions.