Subject: Vacancy: Postdoctoral Fellow - Meteorological and Air Quality Modelling - UBC/UNBC
From: Peter Jackson <Peter.Jackson@unbc.ca>
Date: 5.12.2012 2:10

Please post or forward to potential applicants. I apologize for any cross-posting.

Postdoctoral Fellow: Meteorological and Air Quality Modelling
University of British Columbia / University of Northern British Columbia

A postdoctoral fellow is sought to use meteorological and air pollution models as part of a project to optimally design a long-term air quality monitoring network in northeast British Columbia, Canada. Northeast BC is a region that is undergoing significant and increasing oil and gas development necessitating enhancing air quality monitoring. The successful applicant will work with graduate students and Professors Douw Steyn (UBC) and Peter Jackson (UNBC) to run the Weather Research and Forecasting (WRF) meteorological model to produce a high-resolution climatology of the region to support air quality modelling using models such as the Community Multiscale Air Quality (CMAQ) model. Both models will be extensively evaluated using available observations, and then used to design an optimal air quality monitoring network for the region. The position is funded for two years, with a possible extension to a third year, and will start in early 2013. The position will involve working with industrial and other stakeholders such as the BC Ministry of Environment. The main work location can be either at UBC (in Vancouver) or UNBC (in Prince George) with up to 25% of the time spent with industrial stakeholders.

Qualifications

Education: A PhD completed within the last five years, from a recognized university in atmospheric science, atmospheric chemistry, environmental science or environmental engineering or a closely related field.

Experience: Demonstrated experience and aptitude with meteorological and air quality models such as WRF and CMAQ. Experience running these models in a linux cluster environment. Proficiency with pertinent computer languages and tools. Ability to communicate effectively in English. Relevant experience in a Canadian context will be an asset.

Application

An application consists of a cover letter explaining how your education, experience and background qualifies you for this position, as well as a curriculum vitae, a copy of your university undergraduate and graduate transcripts, and contact details for three people who have agreed to act as references and can comment on your qualifications and experience relevant to this position. Applications should be addressed to: AQ Modeller PDF Competition c/o Dr. Peter L Jackson, Environmental Science and Engineering Program, UNBC, 3333 University Way, Prince George, BC, V2N 4Z9, CANADA. Electronic applications in adobe postscript, pdf or microsoft word formats are encouraged and can be sent to Peter.Jackson@unbc.ca<mailto:Peter.Jackson@unbc.ca>. For more information contact Dr. Peter L. Jackson at +1-250-960-5985.

Applications received by January 11, 2013 will be given full consideration, but applications will be accepted and reviewed until the position is filled.

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