



**Post-doctoral Research Fellowship in Sustainable Neighbourhoods
at
The University of British Columbia**

The University of British Columbia is positioning itself to be a world leader in research in sustainability, with an increasing emphasis on studying the built environment. Under the “Campus as a Living Lab” initiative the following programs have been established:

- A Bioenergy Research and Demonstration Facility;
- A Continuous Optimization Program for 70+ buildings;
- A Campus-wide District Energy conversion from steam to hot water;
- A Campus-wide Integrated Community Energy Systems Research Project; and
- The Centre for Interactive Research on Sustainability (CIRS).

CIRS was built with the intent to be a global leading-edge building in terms of sustainability performance. It was designed to achieve net positive energy and water performance and to operate on a net-zero-carbon basis. Furthermore, CIRS is the focal point of a broader conversation about ‘regenerative sustainability’ and the potential for human activities to be positive in terms of human well-being and ecological integrity.

The next step in this process is to explore the degree to which the regenerative approach being developed at CIRS at the building scale can be extended to the neighbourhood scale. Of particular interest are methods for assessing the sustainability of buildings, infrastructure and projects at the neighbourhood scale. To that end, we are searching for a Post-doctoral Research Fellow with experience in the emerging fields of regenerative design and sustainability assessment methodologies – particularly as they relate to neighbourhood development – to work as part of a team including several faculty members affiliated with our Regenerative Neighbourhoods Project, their students and other post-doctoral fellows. The supervisor of the successful Post-doctoral Research Fellow applicant will be Dr John Robinson, Director of the CIRS research program.

Through literature reviews, synthesis of existing sustainability assessment frameworks and tools, and the development and testing of such tools at UBC’s living lab, we intend to explore and catalyse the emergence of regenerative neighbourhoods firstly at UBC and secondly in the community. By means of framework development and testing with actual campus neighbourhood projects, the research project will develop a sustainability assessment framework for campus infrastructure projects and neighbourhood development, and work with operational staff at UBC to make this useful and relevant. It is expected that the findings of this research will be internationally relevant.

The ideal candidate for this one-year program (renewable to a maximum of two years) would hold a recent (graduated within the last year) PhD in Architecture, Engineering or a social science field related to community or urban sustainability. Of particular interest is expertise in sustainability assessment tools and frameworks.

UBC hires on the basis of merit and is committed to employment equity. All qualified persons are encouraged to apply. UBC is strongly committed to diversity within its community and especially welcomes applications from visible minority group members, Aboriginal persons, persons with disabilities, persons of any sexual orientation or gender identity, and others who may contribute to the further diversification of ideas.

Qualified applicants should forward a current CV to:

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