



Canada Research Chair (Tier 2) Renewable Energy Systems

Rapidly increasing energy demands coupled with environmental concerns related to fossil fuel consumption call for the development of new sources of energy and ways of integrating these into the power grid. The new energy economy will increasingly depend on a distributed system of small, locally operated power generation systems utilizing renewable resources. Benefits of such systems include local/regional energy security and diversification of local economies. A key challenge is providing firm energy from multiple non-firm renewable energy inputs.

As Canada's Green University™, UNBC intends to take a leadership role in developing research to support local renewable energy systems for northern, rural and remote communities. Thus, UNBC invites applications for a **Tier II Canada Research Chair in Renewable Energy Systems** Engineering or related areas. Expertise in the following areas is of interest:

- Development of systems to integrate non-firm renewable power sources (generation, integration, distribution);
- Improvement of efficiencies in renewable energy systems that are regionally and provincially relevant to our communities and industries;
- Research and development of new technologies to harvest known and novel sources of renewable energy;
- Development of policy to foster the growth of the renewable energy economy.

Engineering is the preferred field; however, outstanding applications in the areas of renewable energy development, planning and policy will also be considered.

UNBC is a dynamic, student-centred, research-intensive university, uniquely Northern and personal in character, and responsive to its region. Our service region includes significant sources of biomass, hot-rock geothermal, hydro, tidal, wave, wind and solar energy resources. UNBC is Canada's first university to be mostly heated by bioenergy, and the bioenergy units provide operational-scale opportunities for research. The Tier II CRC in Renewable Energy Systems will build on our strong existing connections with the communities in our region to develop collaborative research projects. The CRC will also contribute to the development of a renewable energy systems program.

For more information on UNBC's energy initiatives please see <http://www.unbc.ca/green/energy.html>. For

general information on UNBC see: <http://www.unbc.ca/>. UNBC's recently updated University Plan is available at: http://issuu.com/unbc/docs/university_plan, and its Strategic Research Plan is available at: <http://www.unbc.ca/research/about/plan.html>.

The Canada Research Chair program's goal is to establish Canada as a world leader in research and development, by attracting outstanding researchers to Canadian universities. Tier II CRCs are for exceptional emerging researchers within 10 years of their PhD who have the potential to lead in their field. The successful applicant, in conjunction with UNBC, must complete the CRC nomination form and CFI request, and the position is conditional on approval by the CRC Secretariat. Information on the CRC program is available at www.chairs.gc.ca.

The successful candidate will receive a tenure-track appointment at the level of Assistant Professor, or at an Associate Professor level if qualification and experience warrant. The primary department of appointment is negotiable. The Tier II CRC in Renewable Energy Systems is expected to develop a strong externally-funded research program, attract graduate students and post-doctoral fellows, and provide leadership in further building research capacity at UNBC.

UNBC is strongly committed to diversity, and invites applications from women, visible minorities, Aboriginal persons, persons with disabilities, and persons of any sexual orientation and gender identity. All qualified candidates are encouraged to apply. Canadians and permanent residents will be given priority.

Applicants should forward a letter of application, curriculum vitae, a 1-2 page statement of current and prospective research interests, a short statement of teaching philosophy and interests, copies of three representative publications, and the names and addresses of three references (including telephone, fax, and email information) quoting competition **#FACRC13-11** to: The Office of the Provost, University of Northern British Columbia, 3333 University Way, Prince George, B.C., V2N 4Z9. Fax: (250) 960-5820. Please direct inquiries to: Dr. Gail Fondahl, Vice President Research, at Telephone (250) 960-5856, Email <fondahlg@unbc.ca>. This position is being advertised subject to budgetary approval. Electronic submissions of CVs can be forwarded to: ***FacultyRecruitment@unbc.ca***.

Applications will be accepted until the position is filled.