

**Postdoctoral Research Fellow
University of Calgary and University of Toronto**



Applications are invited for a full-time Postdoctoral Research Fellow in Energy and Environmental Systems Modelling to contribute to the design and implementation of life cycle assessment (LCA) tools to evaluate oil sands technologies. This position is part of a collaborative project on [LCA of oil sands](#) technologies and is jointly hosted by research groups at [the University of Calgary](#) and [the University of Toronto](#).

The candidate will conduct research on the life cycle implications of various greenhouse gas mitigation strategies that could be applied in the development of Alberta's oil sands. In addition to research responsibilities, the candidate will take a leadership role on the project (e.g., providing guidance and support to graduate and undergraduate students, coordinate research meetings). The candidate will also benefit from access to the [Carbon Management Canada Inc.](#) Network Centre of Excellence, the [Institute for Sustainable Energy, Environment and Economy](#), and a dynamic and collaborative research environment at both institutions.

Candidates should hold a PhD in Chemical or Mechanical Engineering (or related field) and have demonstrated expertise in at least one of the following areas:

1. Chemical Process Design
2. Technology Assessment
3. Oil Sands Technologies
4. Life Cycle Assessment
5. Systems Modelling
6. Engineering Economics

Candidates should have excellent oral and written communication skills in English.

Applicants should send a cover letter, detailed CV, one page statement of research experience and interests and names and contact information of three references to Professor Heather MacLean (heatherl.maclean@utoronto.ca).

The review of applications will begin on February 28, 2011 and will continue until the position is filled.