

POST-DOCTORAL FELLOW OR RESEARCH ASSOCIATE
ELECTROMAGNETIC RESEARCH
UBC-GEOPHYSICAL INVERSION FACILITY, VANCOUVER, CANADA

The UBC-Geophysical Research Facility invites applications for a one year appointment as a Postdoctoral Fellow or Research Associate to work on projects involving the application of electromagnetics to solving applied problems. The candidate must have a Ph.D. and, depending upon background and experience, he/she can be hired at a Post-Doctoral level or as a Research Associate.

The appointment will begin on September 1, 2008, or later if the position has not been filled, and can be extended for one year. Salary is dependent upon educational level and experience, but the minimum stipend for a Research Associate I is \$49,411.42.

The candidate should have a strong background in numerical modeling of geophysical electromagnetic data and in inverse theory. The main focus of the research will be multi-source inversion of time and frequency domain EM data with application to mineral/oil exploration. Research emphasis for the candidate can range from improvement of existing software, to application research that develops practical methodologies for inverting new data types from multi-source and multi-receiver surveys. Projects are completed with close cooperation with industry and the final goal is to advance scientific knowledge and provide state-of-the-art modeling and inversion code that can enhance the use of geophysics.

The ideal candidate will be independent, self-motivated, have good oral and written communication skills, be well organized when handling different projects, and have the ability to lead research groups and mentor graduate students. Good Matlab skills are required and Fortran will be highly desirable. The research position requires intimate interaction with other academic and industrial researchers, a vision to solve important applied problems, and the ability and perseverance to achieve these goals.

UBC-GIF is a world leader in the field of geophysical inversion and has been involved in research in mineral exploration for the past twenty years. Researchers at GIF and a summary about our past and current research can be found on <http://www.eos.ubc.ca/ubcgif/>.

Applications, including a CV, copies of two relevant publications, and the names, e-mails and phone numbers of three referees should be sent by email to Dr. Douglas Oldenburg (doug@eos.ubc.ca), Earth and Ocean Sciences, University of British Columbia, 6339 Stores Road, Vancouver, B.C., V6T 1Z4. The application deadline is August 15, but it will be extended if a suitable candidate has not been found.

UBC hires on the basis of merit, and is committed to employment equity. All qualified candidates are encouraged to apply; however, Canadians and Permanent Residents will be given priority.