

The Fields Institute for Research in Mathematical Sciences

Job Description: Fields Institute Industry Liaison

Job title: Industry Liaison (Industry Liaison Officer (ILO) or Associate Director for Industry Liaison (ADIL))

Salary: range \$60,000 to \$75,000 – half time position, or equivalent teaching release

Starting date: September 1, 2014 or as available

Term of position: three years

Accountability: The Fields Institute Industrial Liaison (FIIL) coordinates with the Deputy Director and reports to the Director of the Fields Institute

Job summary: The ideal candidate will have a strong background in mathematical sciences or a related area, and possess communication and organizational skills. The Industry Liaison Officer or Associate Director for Industry Liaison will be expected to: (1) organize workshops at the Fields Institute focused on solving problems in industrial mathematics, (2) act as a liaison between academic research mathematicians and their counterparts in industries to which the mathematical sciences can contribute, serve as a resource for academic mathematicians who are seeking to develop connections with industry, and work to develop a scientific environment which nurtures collaboration between academic researchers and scientists in industry, (3) set up job fairs and other activities which facilitate networking and communication between graduate and postdoctoral level researchers in the mathematical sciences and potential employers in industry, (4) coordinate with the Fields Institute Industrial Advisory Board, with the Industry Liaison counterparts at the Fields Institute's sister mathematics institutes PIMS and the CRM, and with the tri-institute Industry Innovation Platform - Industrial Advisory Board, and (5) contribute to the Institute's development of proposals for research and/or innovation involving mathematical sciences and its applications in industry.

Preference will be given to candidates who have a graduate degree in the mathematical sciences or a related area, who have some academic experience, and who as well have some experience working in or with the private sector.

Duties:

Organizing events involving mathematics in industry, including

- Industrial problem solving workshops
- Industry open-houses
- seminars, colloquia, special lectures
- short courses
- job fairs and other student/industry events
- coordination with the Fields Institute's Industrial Advisory Board, with the Industry Liaison counterparts at PIMS and CRM, and with the tri-institute IIP - Industrial Advisory Board

Maintaining a database of contacts in industrial research and in academic departments of Fields affiliated universities

Holding regular meeting with industrial partners, maintaining communications with industry counterparts, and working with the Fields Institute Directorate in seeking new industry contacts and developing new industry-related projects.

Connecting academic researchers with industrial partners, and facilitating grant proposals to the NSERC – RPP suite of funding programs and their support of mathematical sciences research.

Liaison between Fields Institute centres and the NSERC – RPP program, and advisor with regards to the RPP suite of programs.

Reporting on grant programs to the Fields Institute which are directed to research in industrial mathematics.