



McGill

McGILL UNIVERSITY

**DEPARTMENT OF CIVIL ENGINEERING AND APPLIED
MECHANICS**

**RESEARCH TECHNICIAN POSITION
IN
EXPERIMENTAL GEOMECHANICS**

Applications are invited for the position of **Research Technician in Experimental Geomechanics** in the Department of Civil Engineering and Applied Mechanics at McGill University. The position can commence immediately. Applicants should have either a Technologists Certificate or a degree in Civil, Mechanical or Geological Engineering or Science. Special consideration will be given to applicants with experience in designing and coordinating experiments, planning instrumentation, data acquisition, data processing and documentation. Good work habits in terms of organizing the laboratory areas, documentation of research findings, data processing and interaction with graduate students are considered essential.

Research currently in progress in **Experimental Geomechanics** covers the following topics:

- **Permeability of intact and fractured rocks**
- **High pressure triaxial testing of geomaterials**
- **Carbon dioxide-acidized flow in carbonate rocks**
- **Heat transfer in fluid saturated geomaterials**
- **Acoustic emission monitoring of defect generation in rocks**
- **Geosynthetics and hyperelastic materials.**

Interested applicants should contact Professor A.P.S. Selvadurai at the address given below and provide PDF files of the following: (i) an up-to-date CV, (ii) a statement of research and industrial experience and (iii) names of two referees who can comment on the capacity of the applicant to participate in research-oriented experimental work. Salary will be commensurate with experience and background. The position is open to only Canadian citizens and permanent residents.

PROFESSOR A.P.S. SELVADURAI FRSC

WILLIAM SCOTT PROFESSOR AND JAMES MCGILL PROFESSOR

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