Title: *Project Engineer/ Leader*

Company: *Stern Laboratories Inc.* **Location:** *Hamilton, Ontario, Canada*

Status: *Full-Time $70,000.00 - $110,000.00 / year (based on experience)*

Company Profile:

Stern Laboratories Inc. is a privately owned Canadian corporation which conducts full scale thermal/ hydraulic experiments for code development and validation, Critical Heat Flux determination, emergency cooling, equipment qualification for reliability and safety, under contract to utilities, reactor operators, nuclear fuel and instrument vendors, other laboratories and government agencies.

We construct and operate test facilities which are representative of Nuclear Power Reactor systems and components, which are equipped with instrumentation for determination of the heat transfer crisis in simulated nuclear fuel assemblies, measurements of differential and absolute pressures, single and two phase flows, void fractions etc. We perform safety experiments involving loss of flow and pressure, loss of coolant, pressure tube and related pipe failures, aerosol transport in and from defective containments etc.

Job Description:

Working in an engineering environment with experienced Technicians, Technologists and Professional Engineers to participate in the design, construction and assembly of complex experimental devices and facilities to simulate reactor heat transport systems, safety systems, fuel and fuel channel components. Some daily responsibilities could include but are not limited to the following:

- Project management and testing
- Prepare and maintain technical reports, instructions, documentation, calculations, and drawings
- Meeting with customers and preparing presentations
- Develop and maintain project schedules and budgets
- Manage the design and fabrication of custom components and assemblies

Qualifications:

Education

- Bachelor’s degree in mechanical engineering

Skills

- Understanding of thermal dynamics, heat transfer and fluid flow.
- Multitasking and project management
- Strong understanding of mechanical engineering principles and processes
- Highly organized, motivated and excellent communication skills
- Job task planning, budgeting, and problem solving.
- AutoCAD and SolidWorks experience
- Ensuring safety, quality and accuracy of results.

How to apply by email: **jobapplicant@sternlab.com**

Stern Laboratories Inc. is an equal opportunity employer.