



# Indigenous.Link

Canada's fastest growing Indigenous career portal, Careers.Indigenous.Link is pleased to introduce a new approach to job searching for Indigenous Job Seekers of Canada. Careers.Indigenous.Link brings simplicity, value, and functionality to the world of Canadian online job boards.

Through our partnership with Indigenous.Links Diversity Recruitment Program, we post jobs for Canada's largest corporations and government departments. With our vertical job search engine technology, Indigenous Job Seekers can search thousands of Indigenous-specific jobs in just about every industry, city, province and postal code.

Careers.Indigenous.Link offers the hottest job listings from some of the nation's top employers, and we will continue to add services and enhance functionality ensuring a more effective job search. For example, during a search, job seekers have the ability to roll over any job listing and read a brief description of the position to determine if the job is exactly what they're searching for. This practical feature allows job seekers to only research jobs relevant to their search. By including elements like this, Careers.Indigenous.Link can help reduce the time it takes to find and apply for the best, available jobs.

The team behind Indigenous.Link is dedicated to connecting Indigenous Peoples of Canada with great jobs along with the most time and cost-effective, career-advancing resources. It is our mission to develop and maintain a website where people can go to work!

Contact us to find out more about how to become a Site Sponsor.

Corporate Headquarters:

Toll Free Phone: (866) 225-9067

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# Job Board Posting



Careers.Indigenous.Link

Date Printed: 2024/07/14

## Research Council Officer- GTL/Agent(e) Du Conseil De Recherches-moteurs Du LTG

<b>Job ID</b>	<b>D5-07-E5-54-F8-CE</b>	
<b>Web Address</b>	<a href="https://careers.indigenous.link/viewjob?jobname=D5-07-E5-54-F8-CE">https://careers.indigenous.link/viewjob?jobname=D5-07-E5-54-F8-CE</a>	
<b>Company</b>	National Research Council Canada	
<b>Location</b>	Ottawa, Ontario	
<b>Date Posted</b>	From: 2023-05-26	To: 2023-06-29
<b>Job</b>	Type: Full-time	Category: Engineering
<b>Job Salary</b>	From \$74,230 To \$148,657	
<b>Languages</b>	English	

### Description

Help bring research to life and drive your career forward with the National Research Council of Canada (NRC), Canada's largest research and technology organization.

We are looking for a Research Council Officer for the Engine Research Facility of the Gas Turbine Laboratory (GTL) to lead the instrumentation team of our Aerospace Research Centre to provide high-quality research and client services in aircraft engine and aircraft component testing. The selected candidate would be someone who shares our core values of Integrity, Excellence, Respect and Creativity.

Our test facilities include support equipment such as dynamometers, thrust beds, and equipment to provide engine test conditions like clouds of water droplets, ice crystals and hail. A wide variety of measurements are used to monitor the equipment and safety, including aerodynamic, vibration, video, and water content measurement.

Your responsibilities will include: planning integration of client equipment with facility measurement and control systems; ensuring that facility control systems provide accurate test conditions (icing, airflow, shaft power or thrust); and leading data acquisition and controls upgrades to meet future needs like hybrid/all-electric propulsion. As well, you will supervise about 3 instrumentation technologists responsible for the installation, maintenance, calibrations and troubleshooting of instrumentation, data acquisition and control systems. These tasks will be done in collaboration with the Engine Research Facility Team including the design, instrumentation and mechanical groups and team lead.

You will be expected to use your technical expertise to perform complex technical work with full autonomy, and prepare technical reports, working schedules, technical presentations and technical drawings for internal and external clients. Some administrative work related to team management, procurement and project management is to be expected.

This is an exciting job opportunity if you want to apply your leadership skills and technical expertise to work with and develop world-class test facilities!

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Contribuez a la realisation de travaux de recherche strategiques et poursuivez une carriere prometteuse au Conseil national de recherches du Canada (CNRC), la plus grande organisation de recherche et de technologie au Canada.

Nous souhaitons embaucher une personne pour occuper le poste d'agent ou d'agente du Conseil de recherches de l'Installation de recherche sur les moteurs du Laboratoire des turbines a gaz (LTG) du Centre de recherche en Aerospatiale en vue de diriger l'equipe d'instrumentation et de fournir des services de recherche et des services a la clientele de haute qualite lors de la mise a l'essai de moteurs d'aeronef et de composants d'aeronef. La personne choisie doit partager nos valeurs fondamentales relatives a l'integrite, a l'excellence, au respect et a la creativite.

Nos installations d'essai comprennent une diversite de materiel auxiliaire, tels des dynamometres et des bancs d'essai de pousse, ainsi que de l'equipement permettant de creer les conditions requises pour la mise a l'essai des moteurs, telles que des nuages aqueux, des cristaux de glace ou de la grele. Une grande variete de mesures sont egalement utilisees pour surveiller l'equipement et la securite, telles que des mesures de l'aerodynamique, des vibrations, video et de la teneur en eau.

Vos responsabilites seront les suivantes : planifier l'integration de l'equipement du client aux systemes de mesure et de commande des installations; s'assurer que les systemes de commande des installations fournissent les conditions d'essai requises (givrage, ecoulement d'air et puissance sur l'arbre ou pousse); diriger l'acquisition des donnees et les mises a jour des commandes pour repondre aux besoins futurs, p. ex., propulsion hybride ou entierement electrique. Vous superviserez egalement approximativement trois technologues en instrumentation charges de l'installation, de l'entretien, de l'etalonnage et du diagnostic de panne de l'instrumentation et des systemes d'acquisition de donnees et de commande. Ces taches s'effectueront en collaboration avec l'equipe de l'Installation de recherche sur les moteurs, y compris avec les groupes de conception, d'instrumentation et de mecanique et le ou la chef d'equipe.

Vous devrez mettre a profit votre expertise technique pour realiser des taches techniques complexes de facon entierement autonome, ainsi que rediger des rapports techniques, organiser les horaires et preparer des presentations et des dessins techniques a l'intention de clients internes et externes. Vous devrez aussi effectuer quelques taches administratives liees a la gestion de l'equipe, a l'approvisionnement et a la gestion de projet.

Il s'agit d'une possibilite d'emploi stimulante si vous souhaitez exploiter vos competences en leadership et votre expertise technique pour travailler dans des installations d'essai de classe mondiale et participer a leur developpement!

### **Experience**

Significant exp. in controlling & measuring aerodynamic processes, such as aircraft engine tests, or other ind. or test facilities

Significant exp. in coord. multiple-parallel activities in a facility, lab or technical service; including scheduling of resources & of equipment, operation, maintenance, training & oversight of lab users, purchasing & inventory control

Significant exp. in programming & the specification, integration, maintenance & upgrades of instrumentation & controls

Exp. with gas turbines, turbomachinery, heating/cooling systems, or other flow control systems

Exp. with complex data acquisition & control systems required

Exp. supervising a small team of tech staff including assignment of tasks, scheduling, optimizing

workload distribution, providing guidance & evaluating performance

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Exp. appreciable du controle et de la mesure de processus aerodynamiques, comme des procedures d'essai de moteurs d'aeronef ou des procedures associees a d'autres installations industrielles ou d'essai

Exp. appreciable de la coord. de multiples activites menees en parallele dans une installation, un labo ou un cadre de prestation de services tech, y compris de l'ordonnancement des ressources et de l'equipement, des operations, de l'entretien, de la formation et de la supervision des utilisateurs du labo ainsi que de l'acquisition et du controle des stocks

Exp. appreciable de la programmation et de la specification, de l'integration, de l'entretien et de la mise a niveau d'instrumentation et de commandes;

Exp. des turbines a gaz, des turbomachines, des systemes de rechauffement et de refroidissement ou d'autres systemes de regulation de debit

Exp. de l'acquisition de donnees complexes et des systemes de commande connexe

Exp. de supervision d'une petite equipe de personnel tech, y compris de l'attribution de taches, de l'organisation des horaires, de l'optimisation de la distribution de la charge de travail, de la provision de conseils et de l'evaluation du rendement

### **Education Requirements**

M.Eng., M.Sc., M.A.Sc. in Electrical, Computer Systems, Mechanical, Industrial or Process Engineering.

A Bachelor's degree in a related field combined with relevant experience may also be considered.

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M. Ing., M. Sc. ou M. Sc. A. en genie electrique, informatique, en genie mecanique, industriel ou des procedes. Un baccalaureat dans un domaine connexe combine a une experience pertinente pourrait egalement etre pris en consideration.

### **Essential Skills**

Solid knowledge in process management, such as propulsion tests, including ability to analyse equipment performance to ensure reliable control & operation & to identify opportunities to improve test quality, efficiency, reliability and safety

Solid knowledge of operation & control of equipment such as instrumentation, sensors, transmitters, signal conditioners, transducers

Knowledge of the measurement & recording of process variables, such as temperature, pressure, flow, vibration, strain; including ability to ensure necessary calibration procedures are completed

Ability to read and produce technical & P&ID (Piping & Instrumentation Diagram) drawings

Solid knowledge in programming, integration of different measurement systems & test-specific calculations, verification, validation & management of measurement systems to ensure test repeatability including a formal quality system such as ISO 9000

Knowledge in Programmable Logic Controllers, PID (Proportional Integral Derivative) & feedforward controls & operating principles & protections of machinery with the ability to effectively perform troubleshooting

Solid knowledge of project management principles, client interactions, used in industrial facilities

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Solide connaissance de la gestion de procedes ou processus, comme les tests de propulsion, y compris la capacite a analyser la performance de l'equip. afin d'assurer un controle et un

fonctionnement fiables et à cerner les possibilités d'amélioration en matière de qualité, d'efficacité, d'efficacité ou de sécurité des essais

Solide connaissance du fonctionnement et du contrôle d'équipement tel que de l'instrumentation, des capteurs, des transmetteurs, des conditionneurs de signal ou des transducteurs

Connaissance des variables de mesure et d'enregistrement de processus ou procédés, comme la température, la pression, le débit, les vibrations et la déformation... lire la suite au site du CNRC

### **How to Apply**

Click "Apply Now"