



# 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.Link's 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

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## Research Officer, Acoustics Ultrasound And Vibration Metrology

<b>Job ID</b>	<b>FD-4C-61-71-9E-5B</b>
<b>Web Address</b>	<a href="https://careers.indigenous.link/viewjob?jobname=FD-4C-61-71-9E-5B">https://careers.indigenous.link/viewjob?jobname=FD-4C-61-71-9E-5B</a>
<b>Company</b>	National Research Council Canada
<b>Location</b>	Ottawa , Ontario
<b>Date Posted</b>	From: 2019-04-30 To: 2019-10-27
<b>Job</b>	Type: Full-time Category: Miscellaneous
<b>Job Salary</b>	\$52,854 To \$149,416 Per Annum
<b>Languages</b>	English

### Description

#### Your Challenge

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.

The National Research Council Canada is seeking to hire a Research Officer (RO) in the area of Acoustics, Ultrasound and Vibration (AUV) to support the Metrology research centre in Ottawa, Canada. The Metrology research centre at NRC is responsible for realizing the highest precision SI units in concert with other national measurement institutes around the world to support the national measurement system and international trade. NRC metrologists assist the Canadian and global industrial and scientific community by developing highly accurate experimental techniques and measurements that are tied to one or more of the seven base units of the SI.

The AUV Research Officer will work within the Mass and Related Quantities (MRQ) team at NRC which consists of staff scientists and technicians with broad expertise in mechanical measurements including mass, pressure, and acoustics. The team houses various state-of-the-art facilities including multiple anechoic chambers and primary calibration systems for microphones, accelerometers, and ultrasound transducers, as well as world-leading measurement capability in mass through the NRC Kibble and vacuum balances. The team has participated in producing the world's most accurate measurements of the Planck constant which has led to the redefinition of the system international (SI) of units. Active areas include advanced research for measurement of sound pressure, acceleration, mass, and pressure, often in partnership with industry, other national measurement institutes, or academia.

Under the direct supervision of the team leader, the successful candidate is expected to collaborate with teams of peers to contribute to both the R&D and technical calibration service activities.

NRC employees enjoy a wide-range of benefits including comprehensive health and dental plans, pension and insurance plans, vacation and other leave entitlements.

#### Relocation

Relocation assistance will be determined in accordance with the NRC's directives.

#### Salary Range

This position is classified as a Research Officer (RO), a group that is unique to the NRC. The RO group uses a person-based classification system instead of the more common duties-based classification system. Candidates are remunerated based on their expertise, skill, outcomes and impacts of their previous work experience. The salary scale for this group is vast, from \$52,854 to \$149,416 per annum, which permits for employees of all levels from new graduates to world renowned experts to be fairly compensated for their contributions.

### Experience

• Significant experience in conducting experimental research related to one or more areas of acoustics, ultrasound, or vibration.

• Significant experience in identification of research requirements, proposal writing, project management, presentations and publications.

• Experience in experimental design and analysis including data collection and analysis, overseeing data production, and ensuring data quality.

• Experience in the development of mathematical models for the propagation of waves in fluids, or in transducer development, or signal processing.

• Experience performing research in the field of Metrology or Measurement Science.

• Experience working at a National Measurement Institute is an asset.

• Experience in optical design or interferometry would be an asset.

### Education Requirements

PhD degree or equivalent in physics or engineering.

### Essential Skills

#### Technical Competencies

• Solid knowledge of the basic principles of physics;

• Solid working knowledge of fundamental principles in at least one branch of acoustics, ultrasound and vibration; including related measurement techniques, and instrumentation;

• Knowledge of measurement science;

• Knowledge of mechanical optical design and interferometry;

• Solid knowledge of measurement techniques, instrumentation, and programming;

• Solid knowledge of general electronics, data acquisition, and data analysis;

• Proven ability to conduct experimental research in relevant field as evidenced by a credible publication history, and to be able to perform research and development independently and under the direction of the team leader;

•Ability to work with external collaborators and clients.

### **Work Environment**

Condition of Employment

Reliability Status

### **Additional Skills**

Behavioural Competencies

•Research - Creative thinking (Level 3)

•Research - Teamwork (Level 3)

•Research - Partnering (Level 3)

•Research - Results orientation (Level 3)

•Technology extension - Client focus (Level 2)

### **Other**

Notes

•A pre-qualified list may be established for similar positions for a one year period.

•This position is being advertised internally and externally simultaneously, however first consideration will be given to internal NRC applicants.

•Preference will be given to Canadian Citizens and Permanent Residents of Canada. Please include citizenship information in your application.

•The incumbent must adhere to safe workplace practices at all times.

•Candidates must clearly demonstrate in their cover letter how they meet the education and experience factors listed on the poster. Candidates must use the education/experience criteria as a header and then write one or two paragraphs demonstrating how they meet them by providing concrete examples. In addition, the candidate is encouraged to describe in detail when, where and how he/she gained the experience. Failure to provide an appropriate cover letter will result in the rejection of your application. Candidates will not be solicited for incomplete or possible missing information.

As an employer who values diversity in its workforce, we encourage candidates to self-identify as members of the following designated groups: women, visible minorities, aboriginal peoples and persons with disabilities. Measures for accommodation are available to all candidates retained for further assessment.

Please direct your questions, with the requisition number (4004) to:

E-mail: NRC.NRCHiring-EmbaucheCNRC.CNRC@nrc-cnrc.gc.ca

Telephone: 613-991-1125

Closing Date: Posted until filled

### **How to Apply**

Please apply using the "Click for Details" link below...