



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:

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Job Board Posting



Careers.Indigenous.Link

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Research Associate, Single Photon Emitters / Attache(e) De Recherches, Emetteurs De Photonics

Job ID	84-6B-28-4E-26-71	
Web Address	https://careers.indigenous.link/viewjob?jobname=84-6B-28-4E-26-71	
Company	National Research Council Canada	
Location	Ottawa, Ontario	
Date Posted	From: 2022-07-18	To: 2023-01-14
Job	Type: Fixed-term	Category: Engineering
Job Salary	From \$74,230 To \$103,093 Per Annum	
Languages	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 an early-career Research Associate (RA) in Single Photon Emitters to support our Security and Disruptive Technology (SDTech) Research Centre. The RA would be someone who shares our core values of Integrity, Excellence, Respect and Creativity.

NRC's Security and Disruptive Technology Research Centre (SDTech) focuses on the advancement of quantum technologies, with expertise in quantum optics, quantum electronics, attosecond science, nonlinear optics, fibre photonics and related fields.

The successful candidate is expected to support the goals of NRC and the Research Centre through research of international calibre and the development and application of advanced technologies for the deployment of quantum dot based non-classical light sources. The RA will work in a team environment with researchers and technical experts in world-class facilities. The RA will provide input into the overall direction and research priorities for the project within the context of the Research Centre business plan.

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 un attache ou une attachee de recherches (AR), Emetteurs de photons uniques en debut de carriere en vue de soutenir le centre de recherches sur les technologies de securite et de rupture (TSR). La personne choisie doit partager nos valeurs fondamentales relatives a l'integrite, a l'excellence, au respect et a la creativite.

Le Centre de recherche sur les technologies de securite et de rupture du CNRC se concentre sur l'avancement des technologies quantiques, avec une expertise en optique quantique, en electronique quantique, en science de l'attoseconde, en optique non lineaire, fibres photoniques et dans des domaines connexes.

La personne retenue devra soutenir les objectifs du CNRC et du centre de recherche dans le cadre de recherches de calibre mondial ainsi que du developpement et de l'application de technologies de pointe pour la mise en oeuvre de sources de lumiere non classiques a base de points quantiques. La personne retenue travaillera en equipe avec des chercheurs et des experts techniques dans des installations de calibre mondial. Elle contribuera a l'orientation generale et aux priorites de recherche relatives au domaine du projet dans le contexte du plan d'activites du centre de recherche.

Experience

Significant experience in cryogenic optical spectroscopy.

Practical experience in cryogenic system design.

Hands on experience in the design and construction of experimental optical assemblies.

Practical experience in single mode optical fiber devices and practices.

Experience conducting research in an independent fashion or in a team environment and in bringing it to a successful conclusion.

Experience appreciable de la spectroscopie optique cryogenique.
Experience pratique de la conception de systemes cryogeniques.
Experience pratique de la conception et de la construction d'ensembles optiques experimentaux.
Experience pratique des dispositifs et des pratiques concernant la fibre optique monomode.
Experience de la realisation de recherches de facon autonome ou en equipe, et de voir a ce qu'elles soient menees a bien.

Education Requirements

As part of the RA Program you must have received your PhD degree in Experimental Physics or Engineering Physics within the last five years or you expect to receive the degree within the next six months.

Dans le cadre du programme d'Agent de recherches, vous devez avoir recu votre doctorat en physique experimentale ou en genie physique dans les 5 dernieres annees ou vous prevoyez le recevoir dans les 6 prochains mois.

Essential Skills

Ability to work effectively and safely in an optical laboratory with high power lasers
Working knowledge of cryogenic equipment and practices
Ability to design, construct and test optical assemblies and cryogenic systems.
Working knowledge of non-classical optical sources
Ability to communicate scientific concepts clearly to both expert and lay audiences, including business partners and clients.

Capacite de travailler efficacement et en toute securite dans un laboratoire optique avec des lasers de haute puissance.
Connaissance pratique des equipements et des pratiques cryogeniques.
Capacite de concevoir, de construire et de tester des ensembles optiques et des systemes cryogeniques.
Connaissance pratique des sources optiques non classiques.
Capacite de communiquer clairement des concepts scientifiques a un public d'experts et de profanes, y compris des partenaires commerciaux et des clients.

How to Apply

Click "Apply Now"