



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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Metallization Engineer / Ingenieur Des Procedes De Metallisation

Job ID	19-3F-07-55-99-1F	
Web Address	https://careers.indigenous.link/viewjob?jobname=19-3F-07-55-99-1F	
Company	National Research Council Canada	
Location	Ottawa, Ontario	
Date Posted	From: 2023-01-23	To: 2023-02-15
Job	Type: Fixed-term	Category: Miscellaneous
Job Salary	From \$57,220 To \$161,754 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 a Metallization Engineer to work for the Canadian Photonics Fabrication Centre (CPFC) within our Advanced Electronics and Photonics (AEP) Research Centre. The successful candidate would be someone who shares our core values of Integrity, Excellence, Respect and Creativity.

This position will focus on activities related to system processes and actively contribute to the Metallization Engineering Team. Working with clients and partners, the National Research Council Canada provides strategic research, innovation support, scientific, and technical services to develop and deploy solutions to meet Canada's current and future industrial and societal needs. The CPFC offers our clients and partners access to cutting-edge photonics device fabrication services providing simulation, design, fabrication, testing, characterization, and prototyping services to help move innovative photonic and electronic devices to market. It plays a key role in NRC's Challenge Programs.

The key activities of the Metallization Engineer are:

- The RCO will be the primary technical resource during the first shift of operation of the CPFC.
- Ensure that Metallization goals are met and effectively contribute to overall CPFC goals.
- Maintain a comprehensive record keeping and the provision of detailed reports to clients, and publications where appropriate.
- Establish validation and verification criteria for new processes and products to address new client/project needs and Identify opportunities for process improvements.
- Create and revise documentation detailing production processes.
- Assist in the maintenance of the Metallization tools.
- Take a leadership role in the training and support of more junior technical staff across multiple shifts.
- Provide expert advice and guidance to researchers for Metallization processes.
- Perform other related duties as assigned.

- Maintain a safe work environment.

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

Nous sommes a la recherche d'une personne pour occuper le poste d'ingenieur des procedes de metallisation en vue de travailler au Centre canadien de fabrication des dispositifs photoniques (CCFDP) au sein de notre Centre de recherche en electronique et photonique avancees (EPA). La personne retenue doit partager nos valeurs fondamentales relatives a l'integrite, a l'excellence, au respect et a la creativite.

La personne retenue se concentrera sur les activites liees aux procedes de systeme et contribuera activement aux travaux de l'equipe responsable de l'ingenierie de la metallisation.

En collaboration avec ses clients et partenaires, le CNRC mene des recherches strategiques, soutient l'innovation et offre des services scientifiques et techniques pour l'elaboration et la mise en oeuvre de solutions qui repondent aux besoins actuels et futurs des entreprises et de la societe canadiennes. Le CCFDP offre a nos clients et a nos partenaires un acces a des installations de fabrication de dispositifs photoniques d'avant-garde qui fournissent des services de simulation, de conception, de fabrication, d'essai, de caracterisation et de prototypage pour soutenir la commercialisation de dispositifs photoniques et electroniques innovateurs. Il joue un role cle dans les programmes Defi du CNRC.

Voici les principales activites de la personne retenue :

- Etre la principale ressource technique pendant le premier quart de travail du CCFDP.
- S'assurer que les objectifs de la metallisation sont atteints et contribuer efficacement aux objectifs globaux du CCFDP.
- Tenir un registre complet et fournir des rapports detailles aux clients ainsi que des publications, le cas echeant.
- Etablir des criteres de validation et de verification pour les nouveaux procedes et produits afin de repondre aux nouveaux besoins des clients ou projets et de cerner les possibilites d'amelioration des procedes.
- Creer et reviser la documentation detaillant les procedes de production.
- Contribuer a l'entretien des outils de metallisation.
- Jouer un role de premier plan dans la formation et le soutien du personnel technique subalterne sur plusieurs quarts de travail.
- Fournir des conseils d'expert et des orientations aux chercheurs en ce qui concerne les procedes de metallisation.
- Accomplir d'autres taches connexes qui lui sont assignees.
- Maintenir un milieu de travail sain et securitaire.

Experience

Extensive relevant hands-on experience in an R&D or semiconductor production environment.

Significant experience in semiconductor device process development.

Extensive experience in semiconductor metallization systems and techniques.

Significant experience in Statistical Process Control (SPC).

Basic experience in setup and commissioning on new metallization tools.

Experience in thinning, lapping, and polishing processes with an in-depth understanding of Jigs, pads, conditioning disks and slurries would be an asset.

Vaste experience pratique et pertinente d'un environnement de recherche-developpement ou de production de semi-conducteurs.

Experience appreciable de l'elaboration de procedes lies aux dispositifs semi-conducteurs.

Vaste experience des systemes et des techniques de metallisation.

Experience appreciable du controle statistique du processus (CSP).

Experience de base de l'installation et de la mise en service de nouveaux outils de metallisation.

Experience des processus d'amincissement, de rodage et de polissage, assortie d'une connaissance approfondie des gabarits, des pastilles, des disques de conditionnement et des suspensions epaisses, un atout.

Education Requirements

Bachelor's degree in the Physical, Chemical, Materials Sciences; or Chemical or Electrical Engineering.

A PhD or Master's in one of these disciplines will be considered an asset.

Baccalaureat en physique, en chimie, en science des materiaux, en genie chimique ou en genie electrique.

Un doctorat ou une maitrise dans l'une de ces disciplines sera considere comme un atout.

Essential Skills

Solid knowledge of metallization techniques.

Solid knowledge of process improvement, optimization to ensure robustness and reliability.

Solid knowledge of safe practices for working with chemicals, compressed gases, liquid nitrogen, and electrical, mechanical, and vacuum systems.

Demonstrated ability to understand the dynamic interaction of process steps across various fabrication areas.

Solid knowledge of the use of design of experiments, process control checks, trend charts, WIP tracking and paperless MES.

Solide connaissance des techniques de metallisation.

Solide connaissance de l'amelioration des procedes de meme que de l'optimisation pour assurer la robustesse et la fiabilite.

Solide connaissance des pratiques de travail securitaires pour la manipulation de produits chimiques, de gaz comprimes, d'azote liquide et de systemes electriques, mecaniques et a vide.

Comprehension manifeste des interactions dynamiques entre les diverses etapes de procedes dans diverses zones de fabrication.

Solide connaissance des protocoles experimentaux, de la verification de procedes, des tableaux de bord, du suivi du travail en cours et des systemes de fabrication sans papier.

How to Apply

Click "Apply Now"