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**Research Chair in Metallurgy of Aluminium Transformation**

**University of Quebec at Chicoutimi**

**POST-DOCTORAL RESEARCH FELLOWSHIPS**

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**Qualifications:** The candidate must either hold a Ph.D. or expect to receive one shortly in materials science and engineering, metallurgy or related disciplines.

**Place of work:** University of Quebec at Chicoutimi (UQAC) has long association with Canadian aluminum industry resulted in the formation of the University Research Centre on Aluminium (CURAL) and several research Chairs in past 20 years. The current research Chair offers creative advancements in well-defined areas of concern to aluminum transformation. CURAL is located in the heart of the Aluminium Valley and works closely with the industrial partners (Arvida Research and Development Centre of Rio Tinto Aluminum and other regional enterprises). Work offered in the framework of the Research Chair in the field of aluminium metallurgy, sponsored by NSERC and CQRDA. The working language is English or French.

**Field of research:** The research program puts emphasis on metallurgical aspects of advanced aluminium materials and transformation technology. It includes: 1) Solidification and casting processing, 2) Advanced metal matrix composites and nano-composites and 3) Thermal and thermomechanical processing

The candidate should have excellent communication skill and the ability to conduct self-motivated research. The candidate is further expected to have solid background in the areas of physical metallurgy, thermodynamics and deformation, and show a record of publication in mainstream scientific journals. Experience in the materials characterization with modern technology of electron microscopes (SEM, EBSD and TEM) is an asset.

**Start and duration of work:** Any time depending on availability of candidates. The initial offer is for one year, but renewable subject to performance and budget.

**Contact:**

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Chairholder in Metallurgy of Aluminium Transformation

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