**Job Title:** Sr Engineer Additive

**Position Overview:**

As a key member of the Joining and Additive Manufacturing cluster, the incumbent will work closely with Engineers and Scientists to focus on joining of aluminum alloys for automotive applications. This is a key technology to be developed in the Product and Process Technology group of Novelis R&D Americas Organization.

This position will work in project teams within the cluster to develop technologies and sheet aluminum joining expertise. This role requires extensive project management skills and design knowledge of sheet aluminum systems across diverse usage scenarios in the can, auto, aerospace, and specialties markets. Candidates are sought who have proven track record to identify gaps; develop, propose, and manage projects; and complete within a team environment. The Sr. Engineer will demonstrate current innovative testing capabilities, propose new equipment, and to develop tailored equipment.

The Sr. Engineer will also work with other clusters of R&D Engineers and Scientists in Metallurgy, Forming, Surfaces/coating and Corrosion to solve challenging problems across all Novelis value streams (can, auto, aerospace, and specialties) and develop a deeper core knowledge. Opportunities exist to manage projects, collaborate with external customers and partners, travel to Global Novelis sites, and disseminate findings in peer-reviewed journals and at international conferences. Applicants should be able to deliver timely results in a fast-paced research and development environment. Self-starter candidates with demonstrated hands-on experience are highly sought.

**Responsibilities & Qualifications:**

Lead Science and Engineering innovations in Joining and Additive Manufacturing to innovate new joining ideas.

Lead large internal and external customer-focused projects from feasibility to completion to enable increased customer use of aluminum. Ensure projects are well planned, appropriately resourced, accurately prioritized and timely delivered.

Provide technical sharing and knowledge dissemination in Joining

Take a key role in solving customer aluminum joining issues including mixed material joining and identifying their potential knowledge gaps

Proactively propose new additive manufacturing solutions Novelis operations in response to process performance and reliability challenges.

Leverage data and techniques developed within Novelis to advise customer design constraints and experimental trial scenarios

Provide technical proficiency in aluminum joining and additive manufacturing.

Write technical reports and invention records in the course of research and support patent filing to strengthen Novelis IP position and protection.

**Qualifications:**

B.S. in Mechanical, Materials/Metallurgical or Welding Engineering with 8+ years’ work experience or M.S./Ph. D. degree with 4 – 6 years’ work experience (willing to consider less experience)

Proven track record of developing joining and additive manufacturing technologies for implementation in automotive OEMs or other industries.
Demonstrated leadership skills in planning, resourcing, and execution to deliver timely results of large and sophisticated projects
First-hand experience presenting project highlights, outcomes, and setbacks to collaborators
Capacity to evaluate customer needs and adjust when goals or requirements change
Knowledge of aluminum alloy systems and how these systems are applied to various use scenarios, such as: auto applications or can body versus can end applications
Demonstrated experience in sheet metal joining with practical experience with resistance spot welding, self-piercing riveting, laser welding and other mechanical joining.
Deep knowledge of impact of material properties on joining process and joining performance.
Understanding of the business impact such as manufacturing/assembly cost by choice of certain joining technology and equipment.
Knowledge of methods to measure and supervise Joining operations, such as vision systems, image analysis and load sensors, etc.

Location Profile:

Novelis’ Global Research and Technology Center located in Kennesaw Georgia within the greater Atlanta metropolitan area is a cutting-edge full-service research and technology hub that employs approximately 200 people including world-class engineers metallurgists chemists and scientists. The facility includes state-of-the-art lab equipment and a diverse mix of product pilot lines that bring innovative solutions to customers in the automotive beverage can and specialty markets. Kennesaw provides a diverse and family-friendly place to live with countless museums cultural opportunities and educational institutions. Novelis is committed to the Kennesaw community and supports a number of local charitable organizations including Habitat for Humanity as well as FIRST Robotics aimed at encouraging young people to pursue the Science Technology Engineering and Mathematics (STEM) fields in order to spur the next generation of scientists and innovators. Novelis recognizes its talented and diverse workforce as a key competitive advantage. Novelis provides equal employment opportunities to all employees and applicants.

Seeking Welding/Joining Experience!

Send all resumes to:
Kevin Conroy**
Titan Technologies
Kevin@titan-techs.com
724-227-0298

**Kevin is forwarding all qualified candidates directly to the Novelis hiring manager for immediate review. **