

Opportunities for DISRUPTIVE NEW PRODUCT CHAMPIONS. Quantiam is one of Canada's leading innovators in the fields of Advanced Materials, Catalysis and Nanotechnology serving the Chemical-Petrochemical, Oil & Gas, Defence and CleanTech sectors. We are seeking individuals interested in building new business opportunities and businesses based on disruptive technologies that meet some of the world's greatest challenges. We offer exceptional opportunities to motivated, hard-working and energetic employees that wish to make major contributions to industry and society through technology and innovation.

Position Title: Research Professional III / Sr. Research Professional/Principal Engineer or Scientist

Competition #: 7000-04

Base Salary Range: \$70,000-105,000/year (*depending on experience*); plus a 0-to-20% Performance Bonus (increasing to 0-to-30% in 2016); a 40 hour work week; highly Competitive and Comprehensive benefits package; GRRSP with matching DPSP.

Experience: 3-8 years related (hands-on) experience

Closing Deadline: August 31, 2015 (or until filled)

Education:

- Advanced University degree, preferably Ph.D. from a recognized University in Mechanical Engineering, Materials Engineering or Materials Science.

Specific Skills/Background Required:

- Self-starter, highly motivated; comfortable with little direct supervision; a leader.
- Capable of building on strong training, and analytical and problem solving skills, to develop solutions and optimal paths forward in innovation and commercialization.
- Strong interest in New Product Innovation, and solid Project and Time Management skills
- Mature and responsible individual with strong leadership skills and comfortable with technical and commercialization risk management.
- Must demonstrate a solid understanding of advancing technology to commercialization, and developing best practices and procedures with excellent written and verbal communication skills.
- Interest in and preferably some experience with commercial matters affecting new product innovation, inclusive of financial modeling and business case analyses.
- Able to step into a multitude of functions in “wearing many hats” as a corporate “entrepreneur” advancing new products to market, inclusive of Research & Technology, Trial Manufacturing and Field Demonstration; comfortable with properly understanding and managing risks and “task failures” towards Project success.
- All elements of commercialization; interest in leadership of a new venture is strongly desirable.
- High attention to detail across all facets of new product innovation.
- Strong documentation skills and excellent computer skills (Microsoft Office, Project and advanced modeling software).
- Good mechanical aptitude for designing mechanical solutions to often world-first process challenges at high temperature, high vacuum, or extreme performance and quality requirements. Excellent mathematical skills and able to provide quality assurance enhancements and audits.
- Experience in materials characterization techniques and interpretation of data and test results to achieve targeted properties and necessary quality levels.
- Highly developed interpersonal skills along with the ability to function in multiple cross-functional project teams. Ability in working independently with minimal supervision, and as part of multifunctional teams with international working groups; comfortable in a leader role through to a team member role.
- Highly safety-conscious; support and advance safety practices; proper and extensive use of Protective Personal Equipment (PPE); strives to always seek engineering safety solutions over PPE solutions.
- Strong work ethic with demonstrated accountability; reliable and exemplary work attendance.

Brief Job Description

Responsibilities (with training) include assisting in the following Unit Operations, as required:

- Lead, or assist as required, as a **New Product Champion**, Quantiam's growing efforts in innovation and commercialization of disruptive new products; support and advance new product development and commercialization initiatives on all fronts inclusive of R&T, Trial Manufacturing and Field Demonstration; funding, financing, customer/partner/business development initiatives; and financial modeling and business case analyses.
- Strong Modeling experience (SOLIDWORKS, ANSYS Fluent and ANSYS Mechanical would be an asset).
- Supervise, coach and mentor employees.
- Monitor staff productivity towards meeting goals and corporate objectives. Appropriate risk assessments are completed, understood and well communicated.
- Maintain world-class technical expertise in a core area and ensures continuing development of skills and expertise.
- Remains up-to-date on most recent engineering/scientific improvements in key field, inventions and innovations.

We thank all applicants in advance for their interest; however only those individuals selected for an interview will be contacted.

Please forward your resume to Human Resources by August 31, 2015 in one (1) word document or PDF document, including competition number to:

Quantiam Technologies Inc.

1651 – 94 Street Edmonton, AB T6N 1E6

Fax: 780.465.6603 or Email: careers@quantiam.com