

Research Scientist, Vancouver, BC, Canada

Company Profile:

Aether Catalyst Solutions Inc. is an innovative technology company, located in Vancouver, B.C. The company is developing low cost mixed metal oxides targeted for automotive and industrial applications. We have relationships with major original equipment manufacturers (OEMs) and want to accelerate our development through adding additional solid state chemistry talent.

Position Summary:

Aether is seeking a full time Research Scientist who enjoys using their solid state chemistry knowledge to solve challenging problems in a dynamic team environment. Specifically, Aether is looking for an individual who can provide significant insight into mixed metal oxide material changes occurring when exposed to various oxidative and reductive environments at temperatures from 300 C to 1000 C.

This position reports to VP of Research.

Key Duties and Responsibilities:

- Study and interpret complex chemical transformations of mixed metal oxides when exposed to environmental stressors
- Develop understanding and guidelines for key material attributes to improve overall material stability and performance
- Propose and validate modifications of mixed metal oxides to retain maximum material performance after accelerated aging conditions

Required Skills and Experience:

- Degree in Chemistry with a focus on solid state chemistry or an equivalent combination of industry experience and knowledge
- Strong and proven background in using solid state chemistry to understand material changes of mixed metal oxides under reductive and oxidative environments
- Ability to develop structure / function relationships based on analytic results
- Strong knowledge and experience in the application of analytical techniques to solid state materials
- Thorough understanding of gas to solid surface science
- Familiarity with analytical technologies available at national laboratories, universities and analytical services companies
- Hands-on experience and knowledge of standard lab operations
- Ability to clearly present complex information in a clear and succinct format
- Good interpersonal and communication skills.

To Apply:

To apply, please send your cover letter and resume to greg.james@aethercatalyst.com with "Research Scientist" and your name in the subject line.