

BRING IT!

Your excitement. Your knowledge. Your imagination. Your ambition.
Your vision for finding the solutions that will help make a better world.

Automotive Fuel Cell Cooperation (AFCC) -- a joint venture between Daimler, Ford Motor Company and Ballard Power Systems -- is developing next-generation technology for zero-emission automobiles. Today, AFCC fuel cell technology powers more than 150 zero-emission vehicles and counting. Our work is about empowering the world to be sustainable; our workplace is about empowering our people to make that happen.

Based in Metro Vancouver, (Burnaby) we enjoy the best of living and working in this beautiful region while we work to protect it.

Our Product Development Department has an immediate opportunity for a dynamic **Unit Cell Engineer** to join the Unit Cell Department which oversees development & design of the active repeating components of the fuel cell module. The successful candidate will be working on Seal and Plate components for our current products and our next generation products.

Primary Responsibilities of Position:

- Design and develop bi-polar plates and seals,
- Develop and manage design requirements and components' engineering specifications,
- Perform engineering analysis (stress analysis, pressure drop and heat transfer calculations),
- Define and develop experimental studies,
- Develop component inspection requirements and decide disposition of non-conforming parts,
- Review plate and seal designs with suppliers to highlight important features and answer questions,
- Work with suppliers to resolve manufacturing issues related to part design,
- Support reliability issues resolution and cost reduction initiatives,
- Support development of DFMEA and verification plan.

Qualifications:

- Mechanical Engineering degree (BASc or MASc) or similar,
- Professional Engineer or be eligible to be registered with APEGBC,
- Minimum of 3 years related experience and experience working in fuel cell development would be an asset,
- Strong understanding of Stress/Strain analysis, Heat Transfer, Fluid mechanic and Thermodynamics,
- Experience with fluid sealing design and seal materials,
- Understanding of Product Development process, FMEA, Robust Engineering Design and Design Verification Planning,
- Experience with manufacturing processes and materials selection,
- Strong relationship/interpersonal skills and ability to work effectively in a team environment,
- Ability to handle multiple tasks with the ability to work effectively in a team environment,
- Excellent verbal, written communication and interpersonal skills,
- Experience with modeling CAD packages (Pro-E, Catia) would be an asset,



- Experience with Finite Element and stress analysis and computation fluid dynamics (CFD) would be an asset,

Our talented team is driven to developing ground-breaking technology for zero-emission automotive power trains. We turn challenges into solutions in a team-focused, results-driven work environment where we take our creativity and vision far, to achieve excellence. This is the place to be for the zero-emission revolution—we will be able to tell the next generations, “We were there.”

To apply for this exciting position, please go to our website: <http://WWW.afcc-auto.com> and click on Hot Jobs or directly at:

<http://tbe.taleo.net/NA6/ats/careers/requisition.jsp?org=AFCCAUTO&cws=1&rid=130>

AFCC welcomes diversity and encourages applications from all qualified candidates. We thank interested candidates, however, only those selected for an interview will be contacted.