PhD Position: Collaborative PhD opportunities between UVic and National Research Council Canada (NRC): Next-generation water electrolysis, specifically looking at catalyst and ionomer development.

Description: We have one open PhD position for a collaborative research project focused on developing novel catalyst and related functional materials for AEM water electrolyzers.

The position involves catalyst synthesis, electrochemical analysis, and durability testing of AEM and PEM electrolyzer materials and components. This project will be conducted collaborative with NRC.

Key Responsibilities:

- Design and develop advanced catalyst layers and functional components for AEMWE.
- Physical characterization of the fabricated advanced materials.
- Electrochemical analysis to evaluate the effectiveness of the rationalized design
- Preparation of scientific publications and dissemination of scientific knowledge

Required Qualifications:

- Master's degree in mechanical engineering, chemical engineering, materials engineering or any related field.
- Prior experience working with water electrolysis or fuel cell in a laboratory environment.
- Necessary requirements to satisfy UVic admission requirement.
- Excellent oral communication and scientific writing skills

Preferred Assets:

- Experience with fabricating electrodes and similar functional components.
- Experience with physical characterization, including SEM, XPS, XRD, and XRF.
- Priority will be given to candidates currently residing in Canada.

To apply, please send your CV, cover letter, transcripts, and the names of three references in **a single PDF file** to: jasonklee@uvic.ca by **Sept 30th PST**. The email heading must include "[Application-EGGs]" in the subject heading.

University of Victoria