

Job Description Title/Location:

Senior Membrane Process Development Engineer

Company Description:

Ionomr Innovations, Inc., is an award-winning start-up company located in Vancouver. Ionomr is developing a broad range of advanced Ion Exchange materials to support our customer in Water Treatment, Advanced Energy Storage and Hydrogen product applications with the vision of enabling the world of clean technology with advanced membranes and polymers. Our company has received a variety of industry accolades to date including recently being named the winner of the prestigious Start Up Energy Transition Award by the German Energy Agency (dena) in cooperation with the World Energy Council (WEC) for Low-Carbon Energy Production, as well as recently receiving a coveted grant from SDTC (Sustainable Development Technology Canada) for the development of cost-effective solutions for clean energy systems. We are currently seeking a candidate to fill a full-time position as a Senior Membrane Development Engineer. The successful candidate will conduct and be responsible for the characterization of ion-exchange membranes for electrochemical applications. The position will be based at our facility in the Vancouver campus of the University of British Columbia.

Job Description/Responsibilities:

- Lead and execute the technical deliverables and technologies necessary in the design and commercialization of new membrane products, as well as the optimization of existing membrane products.
- Where appropriate, use statistical design of experiments to deliver, as well as inventing, developing, and implementing new technologies into our membrane products portfolio
- Following your ideas from the lab to the market – use your creativity, commitment, drive and the rigor required, to transform new products from laboratory-scale to commercial volume reality.
- Explain the behavior of membrane materials using a balanced approach of empirical, computational, and theoretical tools
- Work collaboratively with other project team members (e.g. membrane scientists, application engineers, manufacturing engineers, assembly/automation engineers, and QA) to ensure the products meet the user needs and design specifications.
- Create strategies for verification and validation, perform verification tests, and conduct analysis of the test results to ensure complete verification of the requirements and validation of system performance.
- Characterize all aspects of process variables (inputs/outputs) of membrane manufacturing processes.
- Other duties as assigned.

Qualifications/Requirements:

- A Bachelor's or Master's degree in Chemical Engineering and minimum five to seven years of work experience.
- Mechanical aptitude and history of hands-on ability.
- Knowledgeable of polymer and solvent processing and material compatibility.
- Competency with working effectively in a cross-functional team environment.
- Advanced knowledge in electro-chemistry fundamentals, analytical testing methods, and hands-on experimental development.
- Proven ability to plan and manage own activities to deliver on budget and schedule
- Excellent interpersonal skills, with the ability to communicate complex technology issues in a clear, concise manner.
- Highly motivated with interest and ability to thrive in a technology start-up environment

How to Apply:

Interested candidates should forward their CV and a brief Cover letter to [hr@ionomr.com](mailto:hr@ionomr.com), for immediate consideration.