



Nuvera Fuel Cells (www.nuvera.com) is a global leader in fuel cell and fuel processing technologies, committed to developing clean, safe, and efficient hydrogen-based energy products. With offices located in the USA and Italy, Nuvera is focused on the commercialization of high performance electrochemical power modules for industrial and transportation applications, and economically compelling hydrogen infrastructure solutions.

We are seeking a **Fuel Cell Development Engineer** to join our team. An experimentally-oriented engineer is sought to join Nuvera's Electrochemical Technology Group, focused on the design and development of advanced, high power density fuel cell stacks for automotive and industrial applications, in accord with requirements of high performance, long life, and low cost.

Essential Job Responsibilities

- development teams to create performance and durability test plans Work with
- stations, instrumentation, and data acquisition systems to support testing Prepare test
- manage test campaigns (electrochemical materials, cells, and stacks) Implement and
- analyze data, document and present findings Collect and
- selection/optimization of operating conditions Contribute to
- electrochemical diagnostics to conduct in-situ testing of fuel cells Perform
- design and system/product development initiatives Support fuel cell

Qualifications: (required unless otherwise noted)

Educational Background

BS/MS (Chemical, Mechanical, or Materials Engineering)

Previous Work Experience

One or more years of development/engineering experience with emphasis on experimental work

Skills and Abilities

- Knowledge of basic proton exchange membrane (PEM) fuel cell design & operating principles
- Facility with mechanical and electrical test equipment, and data acquisitions systems
- Designing and conducting experiments
- Recording, analyzing, and presenting data
- Experience with, or willingness to learn, electrochemical diagnostic methods, including polarization measurement, voltammetry, electronic impedance spectroscopy

- Facility with quick turn-around design and R&D prototyping
- Solid foundation in engineering fundamentals
- Superior communication and teamwork skills
- Fluency in English language

Desirable Skills and Abilities

- Training/education in electrochemistry or corrosion
- Engineering analysis and mathematical modeling
- Labview software and programming
- Process simulation, fluid dynamics, or stress analysis software
- Project management training/experience

Physical Requirements/Work Environment

Laboratory and office work environments. This position has an emphasis on experimental work and significant time in a laboratory/pilot plant setting is required.

Ability to lift components weighing up to 16 kg/35 lbs. is required.

Travel Required

Up to 5% regional travel is required, with occasional opportunity for travel outside the U.S.

Nuvera Fuel Cells, Inc. is an Equal Opportunity/Affirmative Action Employer.