

Development Engineer/Scientist

Oregon Physics LLC

Job Description

Oregon Physics develops ion and electron optical products for surface science, FIB and electron optical systems. We have a growing demand for our existing ion source and electron gun products, and a number of exciting development programs for next generation ion and electron optical products.

Oregon Physics is seeking a full-time scientist or engineer for projects involving new product development, as well as existing product support. Responsibilities will include:

- Multi-physics modeling using the COMSOL multi-physics software.
 - Thermal, electromagnetic and plasma COMSOL model building and assisting with COMSOL model analysis.
- Interacting with engineers and scientists to aid with product development and problem solving.
- Design, setup and performance of laboratory experiments.
- Report writing.

Skills and Experience

Position Requirements:

- Bachelor's degree in engineering or physics, with either a graduate degree or 6 years of relevant experience.
- Understanding of physics and engineering fundamentals.
- Experience with CAD and numerical simulation software (eg COMSOL and Solidworks)
- Experience operating scientific instrumentation including multi-meters, vacuum gauges, oscilloscopes and microscopes.
- Good written and verbal communication skills.
- Work both self-directed and within a team.

Preferred Experience:

- Experience with thermal, electromagnetic and plasma simulations using COMSOL.
- Experience with high vacuum and ultra-high vacuum equipment.
- Experience with ion and electron beam instruments.
- Experience designing and building laboratory vacuum systems.
- Experience with deflection electronics used in charged particle systems
- Experience with imaging systems for scientific instrumentation.
- Experience with control systems for scientific instrumentation

Benefits

- Medical/Health Insurance Plan
- Sick Leave
- Vacation Leave