



Job # 2033

Thin-film Silicon PV Scientist/Process Engineer

Company Overview

Xunlight Corporation, a technology spin-off from the University of Toledo, engages in the development, manufacture, and marketing of photovoltaic modules that convert sunlight into electricity. The company develops thin-film silicon based photovoltaic products and manufacturing equipment for high throughput production of flexible and lightweight photovoltaic modules at low cost.

Job Description

This position will be responsible for fabrication and optimization of large area thin-film silicon PV materials to ensure the high-throughput production of high performance solar cells. This position will report to the VP, Engineering.

Job Responsibilities:

- Develop large area sputter and PECVD deposition processing on flexible materials for thin-film solar modules
- Process engineering experiments for multiple PV process optimizations and generate advanced process concepts for machine engineering designs
- Perform material characterization and device analysis of solar cells and modules
- Oversee technical assistant(s) for deposition systems

Qualification & Requirements

- 3+ years hands on working experience in PECVD or sputtering of electronic materials, preferably thin-film silicon based PV materials.
- Hands on experience in materials analysis including XRD, optical properties, electron microscopy, scanning probe microscopy.
- Extensive experience in PV device analysis and ability to relate device performance to materials properties and fabrication conditions
- M.S. Degree in physics or engineering or equivalent experience

For consideration, please submit resume, cover letter, salary requirements and contact information for 3 employment references by e-mail to hr@xunlight.com. Refer to Job#2033 in subject line. No phone calls please. We are an Equal Opportunity Employer

