

Client's current mission is to commercialize high efficient and low cost crystalline silicon solar cells based on proprietary design and technology. We are seeking experienced research scientists for our R and D team.

Knowledge of:

A deep understanding of the physics of operation of silicon solar cells and a working knowledge of the technology used to produce them.

Experience and hands on with at least some of the following standard technological processes: wet bench work, doping, oxidation, passivation antireflective coating including but not limited to silicon nitride deposition, and metallization

Familiarity with the following common solar cell measurement techniques and their interpretation: I-V characterization, spectral response, lifetime and Suns-V_{oc}, contact resistance measurement and electroluminescence.

Conversant with models which are used to design and optimize cell structures.

Familiarity with related research and with instrumentation used in existing manufacturing lines is an asset.

Related experience from the silicon microelectronics industry along with proven ability to innovate and to apply advanced concepts to device optimization is highly desirable.

Responsibilities / authorities

Planning and executing experiments in a systematic fashion and will keep clear documentation of experiments and analysis.