ETC | Solar

Out of the Shade and Into the Sun

We are Looking for a Process Engineer to Help Develop and Integrate our Effectively Transparent Contacts with III-V and Thin-film Solar Cells

Full Time – Los Angeles (CA), US
as of January 1st (or as soon as possible)

ETC Solar, spin-off from the Atwater lab at Caltech, is developing an energy saving and cost reducing innovative material for the solar, window and transparent conductive film market: the effectively transparent contacts (ETCs). ETCs are world's highest-performing front contact technology. ETC Solar has received several grants, awards and national recognition including 1st place in the National DOE Cleantech UP competition, two Rocket Fund awards supported by industry and a CalSEED grant. Eight (8) potential customers are waiting for the commercial product and customer testing has begun.

ETC Solar is currently developing and building the large-scale manufacturing equipment to produce the commercial product for the eight (8) potential customers, conduct (pilot) testing and thereby obtain LoI's and purchase orders. In addition, ETC Solar anticipates incorporating record breaking solar cell efficiencies which is core to our innovative product.
We are focused on building a better future and are determined to expand our world-class, fun and ambitious team.

Your Mission

- Develop processes for the integration of ETCs with III-V and thin-film solar modules (perovskite)
- Conduct reliability and durability testing
- Polymer and silver nanoparticle ink testing
- Build connections and guide customer (pilot) testing

Requirements and Skills

- Master/PhD in physics, materials science, chemistry or related field
- Proven self-starter: ability to take initiative as well as working in a team
- Required relevant working experience: none
- Knowledge on polymers, silver nanoparticle inks is a plus

If you're interested please send an email to thomas@etc-solar.com (incl. resume) to inquire more information or schedule a Skype call. We are looking forward to seeing you!