



Out of the Shade and Into the Sun

We are Looking for a Process Integration Engineer (Solar) 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 February 1st (or as soon as possible)**

Required: M.S. or Ph.D. in physics, material science, chemistry, chemical engineering, or related fields. Market conform salary + equity compensation depending on experience/skills applicant.

About the team:

ETC Solar, a Caltech spin-off, is developing a power boosting and cost saving material for the solar and glass industry. We are developing world's highest-performing front contact technology for solar cells: the effectively transparent contacts (ETCs). We are looking to extend our R&D team to further boost the efficiency and reduce the costs of solar modules integrated with effectively transparent contacts (ETCs).

What we need:

The R&D team is seeking a highly motivated engineer to help with hands-on processing and characterization of the integration of effectively transparent contacts with III-V and thin-film solar modules. The ideal candidate is a versatile and open-minded self-starter comfortable taking on challenges with minimal supervision. In our dynamic environment, a keen focus and strong work ethic are needed to see projects to timely completion. If you're passionate about solving problems, building something from the ground up, and challenging the status quo, we'd like to hear from you.

What you'll do:

- Perform R&D thin-film (perovskite) and III-V solar cell fabrication.
- Assist with R&D process development, including identification of processes or equipment that can be improved.
- Electrical and optical testing of R&D samples and devices.
- Partner with R&D, hardware design engineers and vendors to optimize process performance, define tool specifications and implement processes for scale-up.
- Identify opportunities within the process step(s) to improve production yield, efficiency and cost.

Skills you'll need:

- Hands-on experience in semiconductor device design, processing, and characterization.
- Experience in photovoltaic and/or compound semiconductor devices is desired.
- Must have highly developed verbal and written communication skills.
- Interpersonal skills to work well with others.
- Knowledge on polymers processing and silver inks is a plus.