innovaLIGHT

Device Development Group: Device Engineer (DE_E9)

PURPOSE:

Responsible for developing next-generation high-efficiency solar cells, using proprietary Silicon ink technology.

Design experiments and analyze results aiming at the improvement and modification of current process steps in view of a novel high-efficiency device design. This includes optimization of the design itself and of the related process flow.

Recommend equipment modifications and/or process modification keeping in mind the stability of baseline devices. Work closely with other Device Engineers to guarantee synergy.

Interact very closely with Device Technicians. Keep track of best-known method details and document changes into it. Close collaboration with the Inks Team and commercial materials suppliers is also expected.

LEVEL:

Engineer

REQUIREMENTS:

- Ph.D./M.Sc. in Physics, Materials Science or Electrical Engineering.
- 5 years industrial experience in PVs or closely-related fields is required.
- Familiarity with Silicon solar cell technology - microcrystalline, polycrystalline or monocrystalline is required. Applications from candidates without such experienced will not be considered for this opening.
- Proficiency in solar cells device physics and carrier transport is also required.
- Hands-on experience in a variety of Silicon base processes, including wet processes and vacuum processes.
- Ability to work with a diverse group of people, interface with engineers, chemists, material scientists and technicians.
- Some travel may be required.
- Must have very good teamwork/interpersonal skills, excellent communication skills, written and verbal.
- Must demonstrate initiative, be detail-oriented and have strong follow-up skills.
- Must be goal-oriented, display positive attitude, and ability to quickly react to changing business demands, aggressive deadlines, and demanding hours in a fast paced environment.

RELOCATION:

Competitive relocation packages are offered for highly qualified candidates