



# Device Characterization Engineer

Location: Cork, Ireland

## General Job Description

SensL is actively developing a new generation of low light level detection products and has an opportunity in its R&D engineering team for a Device Characterization Engineer.

The **SensL Device Characterization Engineer** will be responsible for the electrical test and characterization of new SensL devices and wafer fabrication processes with the view to understanding the physical behavior of the devices while developing a deeper understanding of how key semiconductor process and physical design changes influence device performance. The individual will also be responsible for the development of innovative test and characterization solutions for the development, engineering, and manufacturing of SensL's low light level detection products.

The ideal candidate will have a solid understanding of semiconductor device physics, hands-on experience in some or all of the areas of wafer level test, semiconductor device characterization, test hardware and software development, semiconductor device modeling and parameter extraction. Engineering responsibilities may include the development and automation of our characterization test equipment capabilities, which include Agilent, Keithley and Cascade hardware with associated software. Familiarity with wafer processing flows and optical test methodologies would also be an advantage.

This is an ideal position for a candidate who is looking for an exciting opportunity in Ireland with a venture capital backed, dynamic company developing a disruptive technology. Competitive salaries and compensation, including stock options, are available to the successful candidate.

## Requirements/Experience

- Strong semiconductor device physics background is a must.
- Hands-on lab experience with a focus on device measurement is required.
- Experience working with design and technology teams to develop production and characterization tests, analyze data and support problem solving and yield improvement projects is desired.

## Qualifications / Skills Required

- Must have strong interpersonal and team skills
- Must have excellent written and verbal communication skills
- Proven ability to execute multiple tasks efficiently and effectively
- Self motivation and a sense of urgency in their daily activities.
- Desire and ability to learn new areas and tasks rapidly and to work in a changing dynamic environment.

## Education

- Electronic Engineering, Physics or Material Science Masters/Doctorate or comparable work experience (2-4 years equivalent) in a related field.

## Contact

Please send your CV to [jobs@SensL.com](mailto:jobs@SensL.com)