

Job description – Insolight SA	
Title:	Characterization Engineer

Overview:

Insolight is a start-up working in the field of solar energy harvesting and illumination applications. The company core technology is an innovative solar panel with record efficiency (for more information, please check our website www.insolight.ch). The company is backed by several private investors and public grants.

We are looking for a person that is highly motivated to work in a fast-paced start-up environment. You would be working in a dynamic and passionate team on the EPFL campus.

Objectives:

We are currently seeking a Characterization Engineer to be responsible for the characterization of our solar modules (optical, mechanical and electrical characterization)

- **Characterization plan:** the candidate will be responsible for structuring a detailed characterization plan, designing characterization tests specific to our solar modules, and setting up various test benches.
- **Reports and results analysis:** results shall be presented in a clear and structured manner, to be used easily by others. Results should be analyzed and compared with expectations (theory or simulations).
- **Characterization of pilot installations:** the candidate will be responsible for monitoring pilot sites' data, analyzing performance results and flagging potential failures.

Knowledge/skills required:

- Master of Science or similar
- Experience with test methodology and design of experiments
- Strong structured approach for problem solving and reporting
- Experience with electronic test equipment
- Basic programming skills (C/C++/C#/Python)
- COMSOL simulations or similar
- Experience with optical characterization is a plus
- Experience with PV modules or PV installations is a plus

Conditions: to be discussed.