

**Researcher Position in LIGTH3D project: Additive manufacturing of energy devices.**

**The Group Leader of Nanoionics and Fuel Cells is seeking a n engineer/researcher to work in a research project devoted to the development of Solid Oxide Fuel Cell system prototype**

**Description:** We are interested in an licentiate with experience in renewable energy sources, especially in solid oxide cells.

His/Her role in the project will consist on the development and characterization of enhanced solid oxide fuel cells for power generation and system design and managing the project results reporting.

**Project title:** LIGHT3D: Tecnologies de làser i altra llum

(IU16-011596; CODE SIFECAT 001-P-001646. BASE3D

**Project summary:**

The LIGTH3D project is one of the 4 subprojects of the BASE3D project. The subprojects integrated in the Base3D grouping start from different contexts to be developed. While the overall goal of the group is to deliver and strengthen the growth of emerging technologies in 3D printing, not all of them will start from the same state of technology, nor will they have the same prospects for the future.

The ultimate goal of Base3D is to develop additive manufacturing technologies throughout a process of technological maturation and to press as much as possible to achieve their tangible implantation in Catalan industry, operating rooms, companies and classrooms.

To achieve this goal, the different actions (subprojects) that are part of Base3D will be developed:

**P1 LIGHT3D: Laser and other light technologies**

P2 FUS3D: Technologies for deposition of semi-molten material

P3 INK3D: Technologies for the deposition of continuous inks

P4 HYBRI3D: Technologies for multimaterial hybridization

This project receive support from the Secretariat of Universities and Research of the Department of Business and Knowledge of the Generalitat de Catalunya, and is co-financed by the European Regional Development Fund of the European Union in the framework of the Operational Program FEDER de Catalunya 2014- 2020 for groups in emerging technologies for carrying out projects for the valorization and transfer of research results.

**Requirements:**

- Degree in materials science or equivalent and Master degree in Material Science and Engineering or equivalent.
- More than 4 years of experience in solid oxide cells is mandatory.
- Fluent English is mandatory and Spanish basic knowledge could be positively evaluated
- Experience on additive manufacturing technologies applied in energy devices is required.
- Skills in planning and organizing research projects.
- Experience in writing scientific reports and peer reviewed papers (at least 3 or more publications).
- We look for people with capacity to work in a team, high flexibility and initiative and ability to innovate.

**We offer:**

- 18 months' contract.
- Joining a team of highly qualified and motivated researchers.
- A salary commensurate with the characteristics of the candidate and the project.

**Dateline:** October 11st

**Incorporation:** The candidates should be available for starting before November 2020

**Workplace:** Barcelona (IREC facilities)

Applicants should send a detailed CV and a motivation letter to Marc Torrell, [mtorrell@irec.cat](mailto:mtorrell@irec.cat). Please indicate the reference "LIGTH3D" in your mail.