



## Job Title: Future Oriented Renewable and Reliable Energy SiC Solutions

The **Institute of Microelectronics of Barcelona (IMB-CNM)** located in Barcelona, Spain, is looking for a **Cleanroom Process Engineer** to work on high voltage SiC IGBT in the framework of the EU project “FOR<sup>2</sup>ENSICS” FUTURE ORIENTED RENEWABLE AND RELIABLE ENERGY SiC SOLUTIONS (Grant agreement ID: 101075672).

The main research activity objective is to design, fabricate and package 15kV n-channel SiC IGBTs and PiN diodes in accordance with the industry standards.

The responsibilities of the candidate will include:

- Process development in the cleanroom: Photolithography (UV mask aligner / laser), RIE and PVD / CVD.
- Electron microscopy (SEM)
- AFM, Raman, XPS
- Quality management

Info of the project: <https://cordis.europa.eu/project/id/101075672>



The salary will be established by CSIC rules for a Graduated level (category M3, “Titulado Superior”)

The IMB-CNM is located on the campus of the Autonomous University (UAB) and contains the largest clean room facilities in Spain with full capability to process its own CMOS technologies and laboratories.

**TERM OF APPOINTMENT:** 4 years.

**TO APPLY:** Applications are accepted contacting directly by email: **Dr. Giulio Pellegrini** ([giulio.pellegrini@csic.es](mailto:giulio.pellegrini@csic.es)) and must include a curriculum vitae. Candidates must be EU citizens.

Documents/materials must be submitted as PDF files.  
Selected candidates will be contacted by January 2023.

**POSITION AVAILABLE:** Expected start date February/March 2023.

**BASIC QUALIFICATIONS:** Master's degree in Micro- and Nanotechnologies or related fields.

More information on IMB-CNM activities at: <https://www.imb-cnm.csic.es/en>

