



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 an experienced **postdoc researcher** to work on high voltage SiC IGBT in the framework of the EU project “FOR²ENSICS” 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. Candidates should have experience in SiC power device technologies, design, testing and simulation.

The responsibilities of the candidate will include:

- Define the technology runs for the fabrication of SiC devices.
- Supervise undergraduate students.
- Write reports for the EU.
- Present the work at international conferences.



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

The salary will be established by CSIC rules for a Doctor FC3 (category: “Doctor fuera convenio”)

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: 3 years.

TO APPLY: Applications are accepted contacting directly by email: **Dr. Giulio Pellegrini** (giulio.pellegrini@csic.es) and must include a curriculum vitae and a confidential letter of reference¹. 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: PhD in Physics or related field.

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



¹ All letters will be treated as confidential.