

Job title

Micro-thermoelectric generators based on block copolymer nanostructured thin-films. Fabrication and characterization

Job description

TFM on the development of micro-thermoelectric harvesting devices under research.

Main tasks and responsibilities

The proposed work will be related with the research and development of micro-thermoelectric generators based on nanostructured thin-film thermoelectric materials. It will involve the fabrication of such materials by block copolymer techniques and the integration of the full micro-thermoelectric generator device.

Requirements

Be in position for a TFM work and knowledge/interest in the Micro and Nano Technologies field.

Description of Group/Project

The main interest of the IMB-CNM Thermoelectrics grup is focused to the fabrication and characterization of micro-thermoelectric generators. In the frame of the European Projects HARVESTORE and EPISTORE, our research group is involved in the development of both energy harvesting and energy storage microdevices focused on IoT wireless nodes. These devices are conceived and fabricated by means of Micro and Nano Technologies, extensively using the Clean Room Facilities at IMB-CNM and also in collaboration with the corresponding facilities from the other partners in the projects.

Summary of conditions

TBD

How to apply

All applications must be sent to Marta Fernández, marta.fernandez@imb-cnm.csic.es

Deadline for applications TBD

Institute of Microelectronics of Barcelona IMB-CNM (CSIC)
C/- dels Til·lers, S.N., Campus UAB | 08193, Cerdanyola del Vallès
<https://www.imb-cnm.csic.es> | rrhh@imb-cnm.csic.es
+34 93 594 7700

Expected start date TBD

- This offer can be found on: <https://www.imb-cnm.csic.es/en/about-center/careers/open-positions>
- More information on IMB-CNM: <https://www.imb-cnm.csic.es/en/>

