

## Job title

Development of metal decorations by using thermal dewetting processes. Characterization and integration in TE applications

## 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 use of thermal dewetting processes for the formation of metal decorations which are expected to improve thin-film material thermoelectric properties.

## 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.

All applications must be sent to [inigo.martin@imb-cnm.csic.es](mailto:inigo.martin@imb-cnm.csic.es) or [lilibertat.abad@imb-cnm.csic.es](mailto:lilibertat.abad@imb-cnm.csic.es)

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