

## **Postdoctoral Position in Theory of Superconducting Nanodevices at the Autonomia University of Madrid, Spain**

The Condensed Matter Physics Center (IFIMAC) at the Autonomia University of Madrid offers a postdoctoral position to work within the project “Andreev qubits for scalable quantum computation” (AndQC) funded by EU through the FETOPEN program.

The project is focused in the development of novel solid state platforms for quantum computation based on Andreev qubits. Within this project the role of the IFIMAC node is to provide theoretical analysis for device optimization, understand loss mechanisms and develop qubit control protocols in close collaboration with experimental groups. Both analytical and numerical methods will be employed to reach realistic modelling of the hybrid nanostructures coupled to microwave cavities which are explored in the actual devices.

The applicants should hold a PhD in Physics, preferably in Condensed Matter by the time of their incorporation (by fall 2019). The salary will be around 40.000 euros/year before taxes.

For application please send a CV and two recommendation letters to:

A. Levy Yeyati

Departamento de Fisica Teorica de la Materia Condensada CV

Universidad Autonomia de Madrid

email: [a.l.yeyati@uam.es](mailto:a.l.yeyati@uam.es)

