



**Graduate and Master degree jobs:**

**Closing Date:** 5 October 2022

**Research Group Energy and Advanced Materials**

The main work of the team is the investigation and modeling of fundamental mechanisms governing the operation of several electronic materials and devices. The research program involves synthesis of different energy-related materials and their incorporation into devices with advanced functionalities: solar cells solar cells, memory devices and XRD detectors for medical applications,... The team combines experimental investigation and theoretical/numerical tools to develop insights in the electronic processes, joining novel theory of semiconductor nanostructures, photoelectrochemistry, and systematic experimental demonstration.

**Eligibility criteria (mandatory)**

- Graduated or Master degree in Materials science, Electric Engineering, Chemistry, Physics, Chemical Engineering, or related fields.

**Technical Requirements**

- Knowledge in materials synthesis and able to follow established synthetic protocols.  
- Knowledge in structural, electrical and/or optical characterization (XRD, NMR, j-v curves, UV absorption).

**General skills:**

- Strongly motivated to develop a scientific research career.  
- Excellent academic results.  
- Excellent interpersonal and communication skills.  
- Intermediate/Proficiency in English language, written and spoken.

**Application procedure:**

Candidates should send the following documents to [aguerrer@uji.es](mailto:aguerrer@uji.es) and [bisquert@uji.es](mailto:bisquert@uji.es), as soon as possible and not later than October 3rd 2022.

- Motivation letter.  
- Brief CV (including academic record summary)  
- Name and email of one referee that supports your application.

**Job conditions:**

**Bolsa de trabajo:** The current job offer is an official candidates "pool". Different post will be made available in the coming months.

**Location:** Universitat Jaume I, Institute of Advanced Materials (INAM), Castelló, Spain

**Duration:** depends on funding availability, participation in PhD program is possible in some positions.

**Working hours:** 37,5/ week (full time)

**Closing Date:** 5 October 2022

**Expected starting date:** As soon as possible but we will consider special circumstances

**Interview:** Date to be confirmed

**Website:** [www.inam.uji.es](http://www.inam.uji.es)

**Email:** [aguerrer@uji.es](mailto:aguerrer@uji.es) and [bisquert@uji.es](mailto:bisquert@uji.es)