

CALL FOR PhD STUDENTS

The Center for Materials Physics (CFM) in Donostia-San Sebastián (the Basque Country, Spain) is currently seeking for bright, highly motivated **PhD** candidates. The successful students will work in an intellectually stimulating environment to develop cutting-edge research on Materials Science, exploring physical and chemical properties of advanced materials, nanostructures and nanodevices, either theoretically or experimentally. They will have access to the most advanced techniques in the field and develop industry-transferable skills.

The PhD candidate will work in close interaction with all our scientific staff and a wide group of postdoctoral researchers, and will take advantage of a continuous flow of prestigious international visitors. CFM is a joint center of the University of the Basque Country - UPV/EHU and the Spanish Research Council - CSIC. The center brings together several research teams with international recognition and positioning, developing cutting-edge materials science in state-of-the-art facilities.

CFM's headquarters are located in Donostia-San Sebastián, a vibrant city on the northern coast of Spain, featuring a lively cultural life (including international cinema and jazz festivals) and an extraordinary natural landscape. Donostia is a unique place to conduct research, as it concentrates several world-leading research centers, such as the CFM, the Donostia International Physics Center (DIPC), the CIC Nanogune or the CIC Biomagune, among others. The successful candidates will benefit from an environment that fosters the cross-fertilization of ideas between different research topics.

CFM is particularly focused in the following research topics:

- ✓ Nanophotonics
- ✓ Two-dimensional materials
- ✓ Topological materials
- ✓ Polymers and soft matter
- ✓ Ab-initio characterization of nanostructured materials
- ✓ Surface nanophysics
- ✓ Nanodevices
- ✓ Quantum technologies
- ✓ Ceramic materials

The candidates are expected to work in these areas. More details on these research lines can be found in our web page <http://cfm.ehu.es/>

8 PhD studentships available

Approximately 25 applicants will be shortlisted and invited for a 2-days visit to CFM in **late April or early May**, with their travel and accommodation expenses fully covered. Personal interviews will be held and the candidates will have the opportunity to discuss the research topics with the relevant CFM staff.

From the interviews, 8 candidates will be selected and granted full studentships. Each studentship will cover a period of three years, including a salary of 17.283,24 € (before taxes) during the first year, with subsequent smooth increases over the following two years. The studentship will also include a budget (allocated to the research group) covering research and training expenses. PhD studentship will only be granted to successful candidates whose PhD project will be formally registered at the University of the Basque Country UPV/EHU before 31st December 2018 for the PhD contract to be continued. Therefore, **the candidates are required to hold a Master degree granted before the end of 2018.**

Application Process: The application process consists in filling an application in the following link <http://cfm.ehu.es/cfm/index.php/application>. The following documentation is required for applying:

1. Fill in relevant data in the on-line form.
2. **Updated CV.** Please provide clear contact information.
3. **Reference letters** (if more than one, please merge all of them in a single e-file).

The deadline for the application is 21st March 2018, at 17:00 Central European Time (CET).

Pre-Selection Process: The applications will be evaluated by an academic Committee at CFM, who will consider the CVs of the candidates, their background adequacy to the selected topics and the provided reference letters.

Only applications received before the deadline (21st March 2018 at 17:00 CET) will be evaluated.

Final Selection Process: The list of pre-selected candidates will be published soon after at the CFM site (in the same announcement at <http://cfm.ehu.es/about-cfm/job-offers>), and they will be contacted personally for arranging their visit to CFM. During their stay at CFM (at late April or early May) they will be interviewed, will be exposed to the different projects and topics, and will be given a chance to select a prioritized list of topics within the list above for their PhD. Soon after the visit, the academic committee will select the 8 awarded students and the final decision will be communicated to the applicants.

If you need further information about this call, or about any general queries on the selection process, please contact phdstudents.cfm@ehu.es.

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