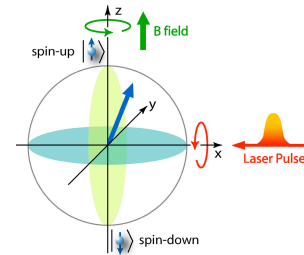


The Nanomagnetism Group at the CIC nanoGUNE Research Center in San Sebastian (Spain) is currently looking for a motivated

## **PhD Student** (Physicists/Materials Scientists/Engineers)

who is interested in working in an inspiring international and interdisciplinary environment in the following research areas:

- time resolved magneto-optic Kerr microscopy with sub-nanosecond time resolution for studying the magnetization dynamics (e.g., fast magnetic switching)
- laterally patterned magnetic nanostructures that are fabricated by means of electron beam lithography and thin film and multilayer deposition techniques.



The Nanomagnetism group has recently been awarded a grant by the Spanish Ministry of Science and Technology (Ministerio de Ciencia y Tecnología, MICINN), which will also make a Ph.D. student position available. To be considered for this position, applicants will have to apply to the FPI (Researcher Formation Program, Formación de Personal de Investigación) call from the Ministry, which is expected to open soon (November 2009). The anticipated starting date is in mid-2010. Please, contact us for further details.

Candidates\* should have a background in physics, materials science or electrical engineering. Experience in one or more of the following fields would be preferred but is not a prerequisite: magnetic materials, magneto-optics and/or microscopy, RF techniques or time resolved measurement techniques, nanofabrication and lithography. Proficiency in spoken and written English is compulsory.

Recent work on the above research topic by the lead scientists of our team can be found in the following articles on magnetic reversal: IEEE Trans. MAG **41**, 3178 (2005), Appl. Phys. Lett. **90**, 162516 (2007), Phys. Rev. Lett. **99**, 027207 (2007), Phys. Rev. **B 77**, 214402 (2008); and magneto-optical characterization: Phys. Rev. **B 72**, 054405 (2005), Phys. Rev. Lett. **97**, 217201 (2006), Phys. Rev. **B 76**, 125413 (2007), Phys. Rev. **B 78**, 174403 (2008).

CIC nanoGUNE located in San Sebastian, Basque Country (Spain), is a recently founded Research & Development Center with the mission of conducting basic and applied world-class research in nanoscience and nanotechnology, fostering training and education excellence, and supporting the growth of a nanotechnology-based industry.

\* For their official FPI application, candidates from outside Spain will have to provide a Spanish Ministry approved undergraduate degree or the corresponding receipt of application (título de licenciatura homologado, o su correspondiente impreso de solicitud de homologación).



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