



PhD THESIS
in experimental physics
at
Laboratory of
Multifunctional Oxides

*Institut de Ciència de Materials de
Barcelona(ICMAB-CSIC)*



We offer: A 4-years grant to do the PhD Thesis. FPI (MAT2011-29269-C03-01) grant.

Subject:

Electric control of magnetic devices and time-resolved magneto-optic monitoring

Description:

To break current limitations in data storage and information technologies, we are exploring novel strategies to control magnetic devices. Our approach includes using electric fields and fast strain pulses to modify the magnetic state of a memory element, and its monitoring using advanced magneto-optic techniques.

We search:

We are looking for a very motivated student, aiming to jump into the forefront of research, with skills in experimental physics, fluent english and aiming to joint a scientifically competitive research team (<http://www.icmab.es/mulfox>)

Requirements:

- Good academic track record (averaged mark above 1.7)
- Degree in physics or chemistry or material's science.
- A prior completion of a Master in physics or chemistry is of advantage.

Candidature:

Candidates shall send their CV, academic track record and a letter of motivation to any of:

Gervasi Herranz (gherranz@icmab.es)
Florencio Sánchez (fsanchez@icmab.es)
Josep Fontcuberta (fontcuberta@icmab.es)

Deadline: Deadline is February 23rd 2012.