



# Atomic, Mesoscopic and Optical Physics

## Cavendish Laboratory, University of Cambridge



### Few Spin Solid-State Nanosystems Marie Curie (ITN) PhD studentships



Through the **S<sup>3</sup>NANO** Initial Training Network we offer 2 three-year PhD studentships as Early Stage Researchers.

**Applications** are invited through the University of Cambridge online application system, which can be found [here](#). Applicants will be considered for three starting dates: April 2012, October 2012 (**preferred**) and January 2013 for both positions. Applications must be completed **three months** in advance of the corresponding starting date.

**The network:** **S<sup>3</sup>NANO** is a network of nine institutions across Europe. This network brings together an exceptionally strong group of world leading experts in nanoscience and technology in order to achieve breakthroughs in understanding and successful utilization of nanoscale systems in future devices. Extensive interactions among participants will take place through exchange visits, network meetings, conferences and laboratory courses. Competitive salary is offered for the two PhD studentships.

**The projects:** The PhD studentships in the Cambridge node of the network will focus on two research projects: Spin qubits in diamond-based quantum emitters and nuclear spin control and manipulation in quantum dots. Both projects fit under the group's general research umbrella of solid-state quantum information processing.

**Eligibility criteria for ITN-funded studentships:** Full requirements of the University of Cambridge and the Physics Department apply. To satisfy the EU mobility criteria the applicant can have any citizenship, but must not have lived or carried out work (and/or study) in the UK for more than twelve months in the last three years. Applicants should provide a CV, the contact details of two referees and parts I and III of a CHRIS/6 cover sheet (see <http://www.admin.cam.ac.uk/offices/hr/Forms/chris6/>) via email to **Mete Atatüre** ([ma424@cam.ac.uk](mailto:ma424@cam.ac.uk))

For further information please visit: <http://www.amop/phy.cam.ac.uk/amop-ma>