



PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

Open PhD position for CSC scholarship candidates 2015

The PhD position is only offered to Chinese PhD candidates for application in the framework of the FU-CSC Program.

<u>Department/Institute:</u>	Department of Physics/Institute of Experimental Physics
<u>Subject area:</u>	Solid State Physics/Magnetism
<u>Name of Supervisor:</u>	Prof. Wolfgang Kuch
<u>Number of open positions:</u>	1 (Full-time / 3-4 y. PhD study)
<u>Project title:</u>	Atomic-scale control of magnetic coupling between antiferromagnetic and ferromagnetic materials

Project description:

The construction of smallest possible magnetic structures receives increased interest in recent years, fueled by demands in data storage and information technologies. Antiferromagnetic materials can exhibit interesting spin structures on the lengthscale of atomic distances. In the project conventional and spin-polarized room-temperature scanning tunneling microscopy as well as time-resolved x-ray-absorption spectroscopy will be used to study the relation between the static and dynamic properties of well-defined single-crystalline antiferromagnetic layers on the atomic scale.

Language requirements:

English (German language proficiency not necessary, but may be acquired in the course of the project if interested).

Academic requirements:

Master degree in physics or equivalent.

Link to professor and further information:

<http://users.physik.fu-berlin.de/~ag-kuch>

Please note: In a first step the complete application should submit to the Beijing Office for evaluation by January 4th. Please don't contact the professor before. He will get in contact with you after having received the complete application in January.