

The group “Thin Films and Interfaces” at Osnabrück University in cooperation with the group “High Energy Materials Science” at PETRA III operated by DESY, one of the world’s leading centers for high end hard x-ray, invites applications for a

Postgraduate Position (salary 13-TV-L, 50 %)

to start as soon as possible. The position is limited to three years. The place of work will be at the DESY site in Hamburg. The successful candidate will be involved in the close interaction between the groups in Hamburg and Osnabrück and will have the opportunity to work towards a PhD outside working hours.

Description of responsibilities:

- Construction and installation of an end station MBE chamber at PETRA beamline P07
- Performing experiments on ultrathin films during epitaxy with high energy x-rays
- Growth and characterization of oxide layers for applications in the field of spintronics and spincaloritronics
- Experiments with High Energy X-Ray Diffraction (HEXRD) and Hard X-Ray Photoelectron Spectroscopy (HAXPES)

Required qualifications:

- An MSc in physics, nanoscience, materials science or comparable studies showing very good or excellent academic achievement
- Experimental skills in ultrahigh vacuum, epitaxy and/or synchrotron radiation
- Skills in programming (e.g. Python) for experimental control and data analysis
- Interest in interdisciplinary work and collaborations
- Flexibility that allows participation in beam times at European synchrotron sources
- Advanced writing and speaking skills in English

We offer:

- An interesting scientific environment with stimulating work and state-of-the art equipment
- A cutting edge research field with highly interesting applications in the field of spintronics and spincaloritronics
- Participation in international collaborations

Osnabrück University has been certified as a family-friendly university committed to helping working/studying parents and careers balance their family and work life.

The university aspires to ensure equal opportunities for men and women and strives to work towards a gender balance in schools or departments where new appointments are made.

If equally qualified candidates apply, preference will be given to those with special needs.

Applications (including signed CV, copies of degree certificates, transcript of records, references if available) should be submitted electronically to Prof. Dr. J. Wollschläger at jwollsch@uos.de to arrive no later than January 31, 2017. We look forward to receiving your application.

For further information please contact Prof. Dr. J. Wollschläger (phone 0541/969-2651).