Zentrale Universitätsverwaltung
Abteilung 3 - Personal

599/2016

Halle (Saale), 03.06.2016

External Announcement Job advertisement
Registration number: 4-4153/16-D
-Extension of Deadline-

The Center for Innovation Competence (ZIK) SiLi-nano – Silicon and Light: From Macro to Nano) is performing research on nanostructured materials used in solar energy conversion and will be adding two additional groups of young research scientists. SiLi-nano is jointly funded by the Institute of Physics and Chemistry at the Martin Luther University, the Max Planck Institute of Microstructure Physics, Fraunhofer Institute for Microstructure of Materials and Systems and the Fraunhofer Center for Silicon Photovoltaics. The center is largely autonomous; structurally, it is managed as an interdisciplinary scientific facility as a part of the Martin Luther University Halle-Wittenberg.

The group „Light for high-voltage photovoltaics" invites applications for the position of a

Scientific Researcher

This part-time position (75%) is initially limited to three years.

The salary will be commensurate with the qualifications of the successful candidate within the salary scale 13 TV-L.

Requirements:
- Master degree in Physics, Materials Science / Engineering or related discipline with emphasis on materials growth and characterization
- Experience in thin film fabrication is preferred but not mandatory
- Hands-on experience in electrical or photoelectrical measurements will be beneficial
- Prior experience with atomic force and piezo force microscopy will be useful
- Knowledge of multiferroic materials and complex oxide systems
- Motivated to work in an international environment
- Ability to communicate in English (written and oral)

Responsibilities:
- Growth of superlattices and heterostructures comprising multiferroic and complex oxide materials using pulsed laser deposition under RHEED control
- Analysing the structure of deposited films using XRD
- Using and modifying setups for photoelectrical and scanning probe measurements
- Analysis of functional properties using AFM / PFM setup
- Transport measurements for analysing conduction mechanisms
- The possibility to obtain a Phd-degree is provided.

Disabled candidates with equal qualifications will be given preference. Women are strongly encouraged to submit an application.

For any queries please contact Dr. Akash Bhatnagar, E-mail: akash.bhatnagar@physik.uni-halle.de

Please submit your full application dossier with **registration number: 4-4153/16-D** in the subject line **until 01.07.2016** to ZIK SiLi-nano® Martin-Luther-Universität Halle-Wittenberg, c/o Frau Sandra Gesemann, Karl-Freiherr-von Fritsch-Str. 3, 06120 Halle (Saale).

Applications should consist of (i) a motivation letter, (ii) a recent curriculum vitae, (iii) a list of publications, (iv) academic degrees and certificates, and (v) contact information of two individuals who could provide an evaluation of the candidate upon request.
The announcement takes place pending any possible budget restrictions. Application expenses cannot be reimbursed by the Martin Luther University.