



Applications are invited for a

Post-doctoral researcher (m/f/d) in Physics or Materials Science

at the Institute of Solid State Physics, Friedrich Schiller University Jena, within the field of

"Characterization of Thin-Film Solar Cells by Electron-Microscopy"

Thin-film solar cells have an increasing share in solar energy conversion technology. The reason is their minimum material usage and their rising efficiency. The here investigated copper indium gallium diselenide based cells (CIGS) reached already a conversion efficiency of more than 23%, thus at the cell level CIGS even outperforms polysilicon, which is the present market leader. The current project is embedded in a collaboration of industry, research centers, and universities with the aim to develop a more efficient production process. The characterization of CIGS samples from our partners by different electron microscopic methods plays a crucial role within the project and is the task of this research position.

Requirements:

- A PhD degree in physics or materials science
- Strong experience in electron-microscopy
- Readiness and enthusiasm to do experimental work
- Highly self-motivated and creative personality
- Capacity for teamwork
- Excellent skills in English

We offer:

- A researcher position as well as generous research funding environment, including travel allowances to partners.
- A comprehensive mentoring program of hard and soft skills.
- A communicative atmosphere within a scientific network providing top-level research facilities and participation in workshops.
- The place of work is Jena, Germany, a young and lively university town with dynamic business activities, successful scientific centers of innovation, and a vibrant cultural scene around a university with a rich tradition.

The position is limited until 30. September 2020, extensions may be possible. The pay scale follows the wage agreements for public employees of federal German states (depending on the qualification up to TVL-E13). Severely disabled applicants with equal qualification and aptitude are given preferential consideration.

Starting is as soon as possible. Applications should be written in English. The application deadline is **October 31st 2019**. Applications are submitted exclusively via e-mail to: Carsten.ronning@uni-jena.de. For more information on the position feel free to contact Prof. Carsten Ronning, Helmholtzweg 3, 07743 Jena, Tel: +49-3641-947300; further details also on www.photovoltaiik.uni-jena.de

Selected applicants may be invited to a recruitment meeting in Jena, Germany.

Please also note the information on the collection of personal data on:
www.uni-jena.de/Universität/Stellenmarkt/Datenschutzhinweis