

Job advertisement

Vacancy ID: 283/2020

Closing date: 20.10.2020



**FRIEDRICH-SCHILLER-
UNIVERSITÄT
JENA**

The Friedrich Schiller University Jena connects people and ideas, science and business, universities and non-university research. Rooted in the heart of Germany and interconnected to the world, it shapes the character of Jena as a future-oriented and cosmopolitan city.

The Institute for Solid State Physics of the Friedrich-Schiller-University Jena offers the following position from 01.12.2020:

2 Doctoral Researcher Positions within the field of

Semiconductor Nanowire for Metasurfaces (m/f/d)

Our research focuses on the modification and functionalization of semiconductor nanowires in order to tune the optical properties for novel nanophotonic devices – such as metasurfaces. This includes processes such as ion implantation of optically active dyes, milling, or applying external fields. Thus, a detailed characterization of the structural and optical properties of such modified semiconductor nanowires and their coupling to each other need to be investigated, for example by means of electron microscopy techniques, photoluminescence or other techniques.

Requirements:

- A Master's degree (or equivalent) in physics or materials science.
- Readiness and enthusiasm to do experimental work.
- Highly self-motivated and creative personality.
- Capacity for teamwork.
- Excellent written and oral communications skills in English.
- Work on an academic project for further qualification, e.g. a doctorate.

We offer:

- A doctoral researcher position as well as generous research funding environment, for example, including travel allowances to international partners
- Time-limited part-time employment (20h/week) for three years starting on December 1 or later
- Remuneration in accordance with the Collective Agreement for the Public Sector of the Federal States (TV-L) depending on the personal qualifications up to salary scale 13.
- Comprehensive mentoring program of hard and soft skills
- A communicative atmosphere within a scientific network providing top-level research facilities and training program, including participation in international and national conferences, summer schools, workshops and/or research stays at international partners.
- 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 initially limited to 3 years, extensions may be possible. Severely disabled applicants with equal qualification and aptitude are given preferential consideration.

Applications should be written in English. The application deadline is **October 20th 2020**. 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.nano.uni-jena.de

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

For further information for applicants, please also refer to:

www.uni-jena.de/stellenmarkt_hinweis.html

For information on collecting personal data, please refer to:

www.uni-jena.de/Universität/Stellenmarkt/Datenschutzhinweis.html