

Mee(h)r als nur Studieren

Wer eine traditionsreiche Universität und den Mut zu Innovationen gleichermaßen zu schätzen weiß, ist an unserer Universität in der jungen und lebendigen Hansestadt Rostock richtig.



Job Announcement_ W 30/2020

Subject to budgetary regulations or the allocation of funds to Faculty of Mathematics and Natural Sciences/Institute of Physics/Research Group Extreme Photonics Laboratory, the following position is to be filled as soon as possible for a period of three years

Doctoral Researcher (m/w/d) (EG 13 TV-L pay scheme, part time position, 20 hours per week, qualification spot)

Duties:

The precise imaging of electrons inside solids is of utmost importance in areas such as material engineering, chemistry of solids, electronics and photonics. The main goal of this doctoral project develops new experimental methods which will allow the precise imaging of electron densities of valence electrons in solids. The experimental techniques utilized will involve primarily high harmonic generation in crystalline solid with using state of the art laser tools. The candidate will join a team of experienced researchers in the area of ultrafast physics, attosecond physics and solid-state technology. The tasks include primarily experimental research, but some modeling of the experimental data will be also essential.

Requirements:

- University degree in physics or related (Master or similar)
- strong interest in basic research
- ability to work independently as well as in a team and in new subjects areas
- experiences in experimental research, including laser physics, solid state or atomic physics
- good command of programming tools such as MATLAB and LabVIEW
- good understanding of optics and nonlinear optics
- very good knowledge of the English language is mandatory
- previous experience in ultrafast science (ultrafast techniques) or simulations of scattering phenomena of electromagnetic waves with matter will be a strong advantage

We offer:

- a multi-faceted, diverse and challenging occupation in a university which is rich in tradition but at the same time innovative, modern and family-friendly, being situated in a lively city at the Baltic Sea
- employment relationship according to the provisions of the collective agreement for the public service of the federal states (TV-L)

- the opportunity for qualification (PhD degree)
- part-time employment

Further Notes:

The University of Rostock offers a broad spectrum of study programs to more than 15.000 students. It is divided into nine faculties, which are cross-linked by the faculty of Interdisciplinary Research. The Faculty of Mathematics and Natural Sciences comprises four research institutes.

The position is a fixed-term position according to § 2 (1) WissZeitVG.

University of Rostock is following the university management guidelines.

Equality is an integral part of our policy towards personnel. Applications of candidates with impairments or equivalent persons are welcomed. The University of Rostock aspires the increase of women in research and teaching and explicitly welcomes highly qualified women to apply to the position. Applications from persons with foreign nationalities or with migration background are also welcome.

If so desired, the staff council can be involved in the application procedure. In such case, please include in your application documents a formless request for the involvement of the staff council.

We look forward to your email application with meaningful documents. Please, send the documents with the subject “**Job Announcement W 30/2020**” to bewerbungen.personal@uni-rostock.de, latest **June 30, 2020**. Only applications that are received in due time, under the mentioned email address and as one PDF document will be considered. The protection of your personal data is very important to us. Therefore, the data collected as part of the application process is collected, processed and used in accordance with the relevant data protection regulations.

Application- and travel costs cannot be covered by the State Mecklenburg-Vorpommern.

For further questions, please, contact us under:

Institute of Physics
Staff service

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