Job Announcement W 31/2020

Subject to budgetary regulations the University of Rostock, Faculty of Mathematics and Natural Science, Institute of Physics would like to fill the following position starting August 1, 2020 for three years.

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

Remit
Imaging of electrons inside materials is an essential challenge of modern science. Yet, this could open new horizons in material engineering, chemistry, electronics and photonics. The main goal of this doctoral project is to develop laser sources and use them to explore the electronic response of solids. The experimental techniques utilized will involve, photoelectron spectroscopy, optical attosecond streaking and will be implemented 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.

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 Science comprises four research institutes

Requirements
- University degree in physics or other subjects suitable for the task (Master or similar)
- strong interest in basic research
- ability to work independently as well as in a team and in new subject 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 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-facetted, diverse and challenging occupation in a university which is rich in tradition but at the same time innovative, modern and family-friendly and situated in a lively city at the Baltic Sea
- employment in accordance with the provisions of the public sector's wage agreement (TV-L, MV)
- the possibility to accomplish a PhD degree
- a salary according to 13 TV-L if the personal and tariff prerequisites are fulfilled

Further information
The limitation of the term of employment complies with § 2 (1) WissZeitVG.

The University of Rostock is committed to its university leadership guidelines.

Equal opportunity is an essential part of our human resources policy. In case of equal qualification, applications from severely disabled or the equivalent people are explicitly welcome. The University of Rostock seeks to increase the proportion of women in research and teaching and particularly encourages female applicants to apply for this position. Applications from foreign scientists and people with migration background are welcome.

On request, the Personnel Council can be brought in. Please add a formless request to your application.

We are looking forward to your application. Please send your informative documents by June 30th, 2020 by email and subject „Job Announcement W 31/2020“ to bewerbungen.personal@uni-rostock.de. Only applications, which are send to this email-address, in time and as one single pdf-document, will be considered in the selection process. The protection of your personal data is very important to us. Therefore, your data are collected, processed and used as part of the application process and in accordance with the data protection rules. We point out, however, that the transmission of your email to us is not encrypted.

Please note that the Federal State of Mecklenburg-Vorpommern does not reimburse application and travel costs.

For further questions please contact:

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Universität Rostock