

Meer Zukunft

Job Announcement W 14/2020

Subject to budgetary regulations or the allocation of funds to the Interdisciplinary Faculty "Department of Life, Light and Matter", the following position is to be filled by April 1, 2020 for a period of one year with option of possible prolongation

Research associate (m/f/d) (EG 13 TV-L, full employment, fixed term, qualification post)

In the Department of "Life, Light and Matter" (LL&M, www.inf.uni-rostock.de/llm/) at the University of Rostock, an analytical scanning transmission electron microscope (STEM) will be installed in the next months. To strengthen our interdisciplinary research groups and for the development of new experimental methods in connection with this instrument, as well as for the establishment of DFG funded Core Facility, we are looking for a researcher.

Duties:

- independent operation and evaluation of STEM experiments on the Jeol ARM200CF instrument
- measurements with in-situ holder systems using gas and liquid cell holders
- technical support and maintenance of the STEM system, the holder systems and the sample preparation units, assistance in sample preparation
- support and training for researchers using the high-resolution electron microscopy and for operating the in-situ holder systems
- evaluation, documentation and presentation of results in lectures and scientific publications and project reports
- teaching tasks in the field of theoretical and applied electron microscopy

Conditions:

- scientific university degree (state examination, diploma, master's or comparable degree) with excellent results in the field of experimental physics, chemistry, materials science or a comparable subject
- PhD in the field of experimental physics, chemistry or in a field of applied electron microscopy, preferably with a focus on nanomaterial properties
- relevant experiences in the fields of electron microscopy, EDX analysis and/or energy loss spectroscopy and common software
- profound theoretical knowledge of electron microscopy, experience in performing complex electron microscopic analyses
- experience with aberration corrected and/or atomically resolved transmission electron microscopy or in-situ experiments in TEM are desirable
- data evaluation including (S)TEM image simulations, experience in programming complex computer-controlled measuring processes
- ability to work in an international team, fluent written and spoken English (German desired), and willingness for further qualification
- experience with high-vacuum and ultra-high vacuum systems, setups for measuring electronic and physical properties
- independence and creativity

- excellent communication and teamwork skills

We offer:

- a position in an interdisciplinary oriented research environment with the independent supervision of a high-quality equipped Cs-corrected STEM
- an interesting and challenging job in a traditional, yet innovative, modern and family-friendly university in a lively city by 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 a habilitation
- full-time employment
- competitive salary according to TV-L level 13 if the personal and contract requirements are met

Further Notes

The position is also suitable for part-time work. In case, such applications are submitted, it will be proven whether the request of part-time work is possible.

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 14/2020**" to bewerbungen.personal@uni-rostock.de, latest **March 16, 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:

Interdisciplinary Faculty
Staff service

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