

The Institute of Micro- and Nanostructure Research (IMN) and the Center for Nanoanalysis and Electron Microscopy (CENEM) at the Friedrich-Alexander-University Erlangen-Nürnberg (FAU) offers a

## **Technician Position for Electron Microscopy.**

The CENEM, a well-established expertise center and user facility for electron microscopy and nanoanalysis at FAU, runs a number of state-of-the-art microscopes in the field of transmission electron microscopy, scanning electron microscopy and X-ray microscopy, as well as a well-equipped laboratory for sample preparation. The IMN, a research institute of the Materials Science Department, explores the advanced capabilities of CENEM's instrumentation for cutting edge research on new materials, a major research focus of the university. To strengthen our team, we are looking for a dedicated technician.

### **Responsibilities**

- Preparation of samples for electron microscopy using a focused ion beam – scanning electron microscope (FIB-SEM)
- Participation in scientific projects and handling requests from customers
- Responsible for the proper operation of the FIB-SEM as well as sample preparation instrumentation
- Analysis of technical problems as well as maintenance and repairs
- Introduction, training and support of users
- Participation in IT administration

### **Profile**

- Technical profession, materials technician, polytechnic degree is beneficial
- Enthusiasm for fine motor skills and precise working for sample preparation
- Experience in electronics and vacuum technology
- Initiative, independent and structured working method
- Pleasure to contribute to research activities in a team
- German and English spoken and written

### **Desirable qualifications**

- Experience in sample preparation for electron microscopy
- Experience in the field of electron microscopy
- IT expertise

You like working independently as well as flexibly and have a quick comprehension. You like cultural diversity in a vibrant scientific environment and appreciate working in an open-minded and motivated team.

We offer a versatile range of tasks in a dynamic and international oriented research environment, where you can develop further your professional skills.

The salary is according to German standard (E9 TV-L). The position is initially limited to 2 years. The position is a full-time position and will be filled as soon as possible.

The FAU is interested in increasing the share of women in research and teaching positions and therefore explicitly encourages female candidates to apply.

Physically disabled applicants receive favorable consideration when equally qualified.

Please send your application until 15.04.2024 by e-mail to Prof. Erdmann Spiecker ([Erdmann.Spiecker@fau.de](mailto:Erdmann.Spiecker@fau.de)) and Dr. Stefanie Rechberger ([Stefanie.Rechberger@fau.de](mailto:Stefanie.Rechberger@fau.de)).