

THE FACULTY OF NATURAL SCIENCES II AT MARTIN LUTHER UNIVERSITY HALLE-WITTENBERG AND THE FRAUNHOFER-GESELLSCHAFT ARE SEEKING TO APPOINT A SUITABLE CANDIDATE AT THE EARLIEST POSSIBLE OPPORTUNITY TO FILL THE JOINT POSITION OF

## **DIRECTOR OF THE FRAUNHOFER INSTITUTE FOR MICROSTRUCTURE OF MATERIALS AND SYSTEMS IMWS**

and in personal union the

### **PROFESSOR (W3) OF MATERIALS DIAGNOSTICS**

MARTIN-LUTHER-UNIVERSITÄT  
HALLE-WITTENBERG



### **AND STRUCTURE**

Applications are invited to fill this dual role.

The Faculty of Natural Sciences II at Martin Luther University Halle-Wittenberg conducts research and teaching in the fields of chemistry, physics and mathematics. Key areas of research include synthetic and biological macromolecules, solid state physics (interfaces and nanostructures), and materials for energy conversion and storage.

The Fraunhofer Institute for Microstructure of Materials and Systems IMWS focuses on methodological techniques and approaches in the fields of materials science and materials engineering. Acting as a point of contact for industry and the public sector for all issues relating to the microstructure of materials and systems, Fraunhofer IMWS aims to enhance material efficiency, boost profitability and minimize the use of resources. To achieve this, Fraunhofer IMWS conducts applied pre-competitive research in the business fields of electronics, renewable energies, polymer processing, biological materials, optics and chemical conversion processes. It also develops methods and equipment for analyzing and characterizing microstructures.

Martin Luther University Halle-Wittenberg and Fraunhofer IMWS have been working together since 2006 on microstructure-based materials design. This new professorship in Materials Diagnostics and Structure is combined with a parallel post as director of the Fraunhofer IMWS, a position that involves the management and development of the scientific, technical and business aspects of the institute in line with the Fraunhofer model and Fraunhofer's overall strategy.

You will be expected to demonstrate professionalism and expertise in representing and promoting the fields of materials physics and materials chemistry of complex and functional materials in both research and teaching. Your new tasks will include the development and teaching of basic principles, methods and procedures in the field of materials characterization and diagnostics, with particular reference to the issues involved in materials design and the evaluation of complex and functional materials in manufacturing, as well as reliability and performance in industrial use. A major emphasis will be placed on modern topics such as creating digital twins to represent materials and using methods of artificial intelligence in material characterization and microstructural analysis.

The successful candidate will also participate in Master's programs such as the "Polymer Materials Science" and "Renewable Energies".

You will have an outstanding international track record in the specialist field of Materials Science and Diagnostics and possess the necessary skills to define and promote research content both within the scientific community and vis-à-vis research sponsors and contract research partners. As well as having many years of experience in leading interdisciplinary research groups, you will also have proven experience in the strategic planning, acquisition and implementation of large-scale national and international research and development projects in the publicly funded sector as well as with industrial companies. We are looking for a candidate with excellent leadership qualities, solid teaching skills and outstanding interpersonal skills.

Experience with working and teaching in an international context, participation in international projects and involvement in research policy circles shall be regarded as particular advantages.

Applicants are required to have a university degree, the necessary teaching qualifications, a doctorate and a post-doctoral lecturing qualification (Habilitation) or proof of equivalent scientific merit and qualifications. Applicants are also required to meet the conditions for the appointment of professors outlined in § 35 of the Saxony-Anhalt Higher Education Act (HSG LSA).

The successful candidate will enjoy the opportunity to participate in a wide variety of projects with a high degree of practical relevance as well as a great deal of flexibility in pursuing research work. Martin Luther University Halle-Wittenberg and the Fraunhofer-Gesellschaft have a family-friendly HR policy that includes the opportunity to arrange flexible working hours and various types of support for achieving a successful work-life balance. Martin Luther University also offers a dual career service that provides active assistance to new appointees in relocating their whole family.

Martin Luther University and the Fraunhofer-Gesellschaft are committed to increasing the proportion of women in research and teaching and expressly invite applications from qualified female candidates. Candidates with a degree of disability of at least 50 percent or equivalent who are equally qualified and suitable for the position will be given priority in the filling of this vacancy.

The University and the Fraunhofer-Gesellschaft value and actively promote a diversity of skills among their employees. They therefore welcome all applications, regardless of age, gender, nationality, ethnicity, social background, religion, ideology, disability, sexual orientation or identity.

Your application with an included résumé, a list of publications, certificates and diplomas, a description of your academic career and past previous teaching and research activities – including any projects funded by third parties – and your home and business addresses. Please send your application to BOTH the following addresses **by 29.08.2020**:

**Martin-Luther-Universität Halle-Wittenberg**  
**Dekan der Naturwissenschaftlichen Fakultät II**  
**Prof. Dr. Wolfgang H. Binder**  
**06099 Halle**  
**Germany**

Alternatively, you can send your application by e-mail as a PDF file to [dekan@natfak2.uni-halle.de](mailto:dekan@natfak2.uni-halle.de).

**Präsident der Fraunhofer-Gesellschaft**  
**Prof. Dr. Reimund Neugebauer**  
**Hansastraße 27c**  
**80686 München**  
**Germany**  
or by e-mail to [praesident@fraunhofer.de](mailto:praesident@fraunhofer.de)

The announcement is made subject to any budgetary restrictions.