The Leibniz-Institute of Surface Engineering (IOM) in Leipzig invites applications for:

Leibniz-Institut für Oberflächenmodifizierung e.V.

PhD student / assistant researcher (m/f/d) for 3 years

Project Description:

The research group of PD Dr. Kahnt, assigned to the "Hertz Electron Beam Laboratory" is looking for a PhD student ideally starting from 1st July 2022 or soon thereafter. The position is part of the DFG funded project "Photo-Induced Multiple-State Switching of Polyoxometalate-Chromophore Hybrid Compounds: Charge- vs. Resistive-based Data Storage" and is limited to 36 months, corresponding to the duration of the project. The PhD student will mainly conduct studies on the electrochemical, photochemical and radiation chemical properties of novel polyoxometallates and chromophores (such as porphyrazines, phthalocyanines and naphthalocyanines) as well as on polyoxometalate-chromophore hybrids by steady state and time-resolved spectroscopic methods with a particular focus on laser photolysis and electron pulse radiolysis. If time permits supplementary photo-switching AFM and laser-PEEM measurements are envisioned.

We Offer:

- Exciting workplace in an interdisciplinary work environment.
- Payment according to **TV-L / EG 13 (67%).**
- Participation at benefit plans, including health and retirement plans (VBL).
- Flexible working hours **(26.8 h / week**).
- A family-friendly environment, certified under the “Work & Family Initiative”.
- Structured doctoral training program.

Your Task:

- Conducting steady state and time resolved photochemical and radiation chemical measurements in particular laser photolysis and electron pulse radiolysis.
- Conducting electrochemical measurements (CV, DPV)
- Presenting your results at international conferences and co-authoring peer reviewed scientific publications.
- Conducting a PhD thesis accompanying the project at the Leipzig University, department chemistry and mineralogy.

Your Profile:

- Very good university degree (masters or similar) in chemistry, materials science, or physics with focus in physical chemistry or spectroscopy.
- Interested in physical chemistry, in particular time-resolved spectroscopy, optical spectroscopy, and chemical reaction kinetics.
- Good command of written and spoken English (mandatory) and German (desirable) for scientific communication.
- Willingness to perform, team spirit as well as the ability to work independently as a scientist

Handicapped persons will be given preferential consideration in cases of health and professional suitability. The IOM values the professional equality of women and men, therefore qualified women are strongly encouraged to apply. The compatibility of career and family is specifically promoted.

Please send your application documents by **May 10th, 2022** to **bewerbung@iom-leipzig.de** with the **ID: 06-T820.00AK** **in a merged PDF file**.

The applicant consents to the storage/processing of personal data (Art.13 DSGVO) for the purpose of applicant selection.

Leipzig, 05.04.2022

berufundfamilie

Leibniz Gemeinschaft