

Job vacancy No. 108-2022

The Leibniz Institute of Polymer Research Dresden is a non-university research institute and a member of the Leibniz Association. It has gained world-wide reputation for its application-oriented basic research on new polymer materials for future technologies, e.g. in the fields of energy, mobility, health, sustainability, and communication, and it supports the transfer of research results into application. The research work is carried out on the basis of state-of-the-art technical equipment in interdisciplinary cooperations between the five institutes of the IPF and embedded in numerous national and international cooperations. The IPF promotes young scientists and is certified as a family-friendly employer according to the Audit berufundfamilie®. The institute currently employs around 500 persons. Further information at www.ipfdd.de.

The IPF Institute of Physical Chemistry/Physics of Polymers has a vacancy in the Department of Polymer Interfaces for a

Research Associate (m/f/d) with 40 hours per week

to work on the topic "Development of materials for strain sensors and energy harvesting" as part of the priority programme "Soft Material Robotic Systems" (SPP 2100) funded by the German Research Foundation (DFG). Research Foundation (DFG) funded the priority programme "Soft Material Robotic Systems" (SPP 2100).

The focus is on the conception and further development of strain sensors with a large deformation range through the use of three-dimensional electrically conductive network structures embedded in the elastomer matrix, touch sensors based on soft elastomers and triboelectric generators based on rubber.

We are looking for a highly motivated and creative individual with a strong background and interest in soft elastomeric functional materials, highly flexible magneto-dielectric composites, conducting polymers, graphene and carbon nanotube-based polymer nanocomposites, and proven knowledge in materials design, structure and functional qualification of triboelectric elastomer generators.

To fill this position, the following are required:

A PhD in the field of experimental physics, materials science or chemistry is required to fill this position.

In addition, the applicant must have proven publication skills, evidenced by at least five publications in a reputable journal. Excellent written and oral English skills are required. Applicants are expected to have a strong research record in elastomeric materials and demonstrate high levels of independence.

Salary: According to German pay grade TV-L EG 13
Terms: 40 weekly hours (full time)
Contract: 2 years
Starting date: September 2022 or by appointment

The job can also be filled part-time.

The IPF Dresden strives for gender equality and diversity in all fields. Applications by people with severe disabilities will be given preference if they are equally qualified. Moreover, as the IPF would like to raise the proportion of women in fields where they are underrepresented, women in particular are invited to apply.

The personal data collected by the IPF relating to your application, as well as the evaluation thereof shall be processed exclusively for purposes of the application process on the basis of contractual measures under Art. 6 (1b) GDPR. These data shall not be transferred to third parties. Recipients shall comprise the employees responsible, the Works Council as well as, where applicable, the representative body for disabled employees and the equal opportunities officers of the IPF. Your application details provided to us shall be deleted by us 6 months after the end of the application process, i.e. either after the job advertised has been filled, or after we have decided not to fill the vacancy after all. For questions under data protection law and for exercising your rights, please contact: d.atschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority. Expenses for the interview participation will not be refunded.

If you are motivated by these challenges, please submit your Motivation Letter (1 page), CV, copies of diplomas/certificates, and a detailed description of hands-on training in synthesis and characterization tools and methods to IPF Human Resources Department. **Don't forget to indicate the number of the Job vacancy.**

For further information please contact Dr. Auernhammer (auernhammer@ipfdd.de).

Leibniz-Institut für Polymerforschung Dresden e. V.

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