

Job vacancy No. 003-2023

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 cooperation 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 Polymer Materials, Department Processing is offering a

Research Associate / PhD student (m/f/d), 40 h/week,

funded by the German Research Foundation (DFG) - The Research Training Group "Mineral-bonded composites for enhanced structural impact safety" (GRK 2250), subject to resources being available.

Tasks:

independent and cooperative qualification through scientific research within one of the doctoral study projects on offer; training in the technical tasks of the individual dissertation topics through study of the literature and in making the objectives more precise; working on the individual doctoral study project with experimental, numerical, metrological or empirical focus in collaboration with other GRK members (fellow students and supervising professors); implementation of the planned research program, evaluation and interpretation of the results and transferring them to a GRK internal exchange platform, elaboration and presentation of the state-of-the-art in the respective research fields; participation in lectures, workshops and summer schools according to the guidelines of the GRK curriculum; supporting scientific graduation work (Bachelor/Master/Diploma) in the subject-specific research field; regular reporting on research progress to the supervising professors; publishing the results of the research work individually or in concert with others; cooperative maintenance of exchange platforms (database, information pages, etc.); summarizing the results of the individual doctoral study project in a dissertation within the due time of 3 years.

Requirements:

very good university degree in one or more of the following areas: materials science, chemistry, physics, mechanical engineering (in the textile or measuring technologies) and geodesy (optical 3D measurement). We are looking for first-class, young graduates with excellent expertise in the GRK-addressed doctoral subjects, high interdisciplinary desire to learn and willingness to cooperate, very good verbal and written English communication skills as well as the absolute determination to submit the dissertation after only 3 years of research. We are looking for first-class, young graduates with excellent expertise in the GRK-addressed doctoral subjects, high interdisciplinary desire to learn and willingness to cooperate, very good verbal and written English communication skills contributing to the addressed doctoral study of planned project A2/III "Polymer fibers with chemical functionalization based on sustainable material concepts" (information about cohort A2/I and A2/II on the GRK at <http://grk2250.de/>), especially in connection with knowledge in the field of polymer melt spinning, surface modification of polymer and reinforcing fibers as well as micromechanical characterization methods.

Starting date: 01.05.2023

Duration: 3 years

The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position aims at obtaining further academic qualification (e.g. PhD).

Salary: According to German pay grade TV-L EG 13

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.

The desire to work across disciplines is essential. If you are motivated by these challenges, please submit your excellent record of accomplishment with research interests, full CV, a detailed description of hands-on training in experimental and characterization methods to the IPF Human Resources Department. Don't forget to indicate the number of the Job vacancy.

For further information please contact Dr. C. Scheffler (scheffler@ipfdd.de / +49 351 4658 373).

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