Job vacancy No. 093-2021

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 Institute Polymer Materials, Research Division Elastomers, is offering one PhD position (Research Associate) at the Research Training Group "Interactive Fiber Rubber Composites" (GRK 2430) funded by the Deutsche Forschungsgemeinschaft (DFG) starting 01/11/2021, for a three-year program (period of employment according to § 2 Fixed Term Research Contracts Act (WissZeitVG), with 100 % of the regular weekly working hours. The GRK program aims at obtaining a PhD granted by the Technical University Dresden.

Tasks:
Independent and cooperative qualification through scientific research within the PhD project "3D-Plot of multifunctional elastomers for locally controllable integration of functional elastomeric domains into I-FRC with complex deformability" https://tu-dresden.de/ing/forschung/grk2430/forschungsthemen/tp3 offered by the Research Training Group GRK 2430; Training in the subject-specific scientific and engineering fields of the PhD project through literature studies and by further specifying individual objectives; Working on the individual doctoral project in close collaboration with other GRK members (fellow students and supervisors); Conducting the planned research, drawing conclusions and interpreting results; Sharing results on an internal GRK exchange platform; Elaboration and presentation of newly attained knowledge in the respective field of research; Participation in lectures and workshops according to the guidelines of the GRK agenda; Supporting scientific graduation theses (Bachelor/Master/Diploma) within the respective field of research; Regular reporting on individual research progress to the corresponding supervisors; Publishing of research results in the form of individual or joint publications in scientific journals and at conferences; Cooperative maintenance of the exchange platform (database, information pages, etc.); Summarizing the individual research results of the PhD project in the form of a dissertation, submitted within the time limit of 3 years.

Requirements:
Very good university degree (Master / Diploma) in one or more of the following areas: materials science, mechanical engineering, chemical engineering, physics. We are seeking first-class graduates with excellent expertise in the doctoral subject offered by the GRK, high interdisciplinary desire to learn and cooperate, advanced oral and written English communication skills and the absolute willingness to complete the dissertation by the end of the three-year research period. The candidate ideally should have pre-existing knowledge in the materials composition design of cross-linkable liquid rubber systems, as well profound knowledge in the area of reactive additive manufacturing of liquid-precursor based polymers. He should be able to address chemistry-materials science based research questions in the context of processing-technological requirements, to solve those questions, and discuss as well as communicate the results in a scientific manner.

Start: 01.11.2021
Duration: 3 years
Salary group: 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 atenschutz@ipfdd.de (data protection officer). You have the right to complain to the supervisory authority. Expenses for the interview participation will not be refunded.
Application Procedure:
Full applications including motivation letter, CV, publication list, a short description of past research activities and a short proposal of the prospective research project should be emailed as a single PDF file to otto-susanne@ipfdd.de. Don’t forget to indicate the number of the Job vacancy. For further information please contact to Prof. Sven Wießner: wiessner@ipfdd.de / +49-351-4658-468

Leibniz-Institut für Polymerforschung Dresden e. V.
Susanne Otto
Human Resources Department
Hohe Straße 6
01069 Dresden
otto-susanne@ipfdd.de