The Institute for Integrated Natural Sciences, Department of Physics, University Koblenz-Landau, Campus Koblenz, is inviting applications for a

**Doctoral Position (0,5 EGr. 13 TV-L)**

and **Project Leader Position (1,0 EGr. 13 TV-L)**

in Material Science/Polymer Engineering/ Polymer Chemistry

which are subject to the German law on fixed-term contracts in science (WissZeitVG). The positions are for a fixed period until February 28th, 2022 and are to be filled at the earliest possible date. The successful candidates will work in the Material Physics Group of the University Koblenz-Landau. A subsequent fixed-term employment is possible.

**Topic:**
The project deals with the development of new materials for thermoplast tape laying. Tape laying is an additive process in which a unidirectional, endless fiber reinforced tape is locally molten and placed onto a mold or component. In this way locally reinforced or multi layered structures for high performance, light weight applications, e.g. in the automotive sector, are obtained. The goal of the current project is the development of polymer fiber reinforced materials in order to allow for 100% recycling of the materials. The project, which is conducted in collaboration with the Technical University Kaiserslautern and 8 companies, is funded by the Federal Ministry of Education and Research (BMBF) in the framework of the program "Resource efficient Circular Economy – Innovative Product Cycles (ReziProK)".

**Requirements:**
The successful candidate requires a master degree in Polymer Engineering, Chemical Engineering, Material Science, Chemistry, Physics or similar fields. For the project leader position preference is given to candidates with work experience in industry or research. For the doctoral position applications from candidates with strong chemical background are especially welcomed.

Proven theoretical and practical experience in polymer additives and/or functionalization and/or thermoplast processing (in particular extrusion, compounding), good English communication skills and the ability to work in an interdisciplinary team are mandatory. Additional knowledge in one of the following disciplines is desirable: polymer characterization in particular mechanical characterization, (endless) fiber reinforced polymer materials, thermosets, adhesives and tape laying. Very strong problem-solving skills, willingness to learn, ability to work independently, experience in writing publications and good presentation skills are essential.

It is the policy of the University Koblenz-Landau to increase the percentage of female employees. If equally qualified, preference will be given to female applicants in fields where they are underrepresented. Disabled candidates are given priority, if equally qualified. International candidates are highly encouraged to apply.

Applications should include a letter of motivation, complete curriculum vitae with a list of publications and presentations, certificates etc.. Application, quoting the reference number Ko 70/2019, should be send before January 2nd, 2020 by e-mail in a single PDF-file to bewerbung-K21@uni-koblenz.de. Late applications can be considered until the position is filled. Please contact Prof. Dr. Silke Rathgeber (phone: +49 (0)261/287-2353 or e-mail: rathgeber@uni-koblenz.de) for further information.

We do not send a confirmation of receipt. In accordance to the protection of data privacy all documents will be destroyed after the application procedure.

www.uni-ko Id.de/karriere