

The Polymer Competence Center Leoben GmbH (PCCL) is the leading Austrian center for cooperative research in the field of polymer technology and polymer science. In collaboration with companies in the polymer industry and numerous academic institutions, our around 100 highly-qualified employees jointly work in R&D projects on innovative polymer solutions for a wide range of applications, including carbon fiber-reinforced composites. We currently aim to strengthen our team and offer a

Researcher position in the field of Simulation and Modelling (Job-ID 20220331)

Your tasks:

- Research, development and implementation of numerical models for aging, interface, fatigue and thermo-mechanical material behavior in Abaqus
- Modelling of the constitutive behavior of polymeric materials
- Mechanical, thermal and thermo-mechanical characterization of reinforced and unreinforced polymers
- Development and programming of a tool-set for simulation strategies for of hybrid materials

Your skills:

- Above average master's degree in one of the fields of material science, polymer engineering, mechanical engineering, physics, mathematics or any comparable technical study
- Profound knowledge in FE-simulation (e.g. Abaqus) and knowledge in continuums mechanics
- Excellent programming skills (e.g. Matlab, Python, Fortran, C, C++...)
- Laboratory experience and use of testing equipment (LFA, DSC, etc), and basic knowledge in polymeric and composite materials are advantageous
- German skills are a clear benefit
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to interface with partner companies and other researchers

We offer:

- Research and development in the field of material sciences in a highly motivated, multi-disciplinary team with excellent contacts to industry as well as national and international research organizations
- Gross income € 3.134,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Flexible working hours and part-time home office
- Possibility to perform a PhD thesis in cooperation with the Montanuniversitaet Leoben

Please send your application (motivation letter, CV) along with copies of your certificates and diplomas to jobs@pccl.at, indicating the JobID 20220331.

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