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 Fatigue Lifetime Assessment (Job-ID 20201002)**

**Tasks:**
- Research, development and implementation of numerical models for fatigue life prediction of fiber reinforced polymers in FEMFAT
- Mechanical characterization of reinforced and unreinforced polymers
- Development of simulation strategies for composite materials in commercial software tools
- Documentation of scientific results in peer-reviewed journals and participation in international conferences
- Support of the project management in administrative activities

**Required skills:**
- Above average master’s degree in one of the fields of material science, polymer engineering, mechanical engineering, physics or comparable technical study
- Profound programming skills (e.g.: Matlab, Python, C, C++)
- Practice with FE-software (e.g.: LS-Dyna or Abaqus) and knowledge in continuums mechanics is desirable
- Experience in using testing machines (MTS, Zwick), and basic knowledge in polymeric and composite materials are advantageous
- Experience with CAD software solutions are advantageous
- Personal initiative, skills for self-organization and teamwork, effective communication skills with the ability to interface with partner companies and other researchers
- Fluent English spoken and written, German on advantage

**We offer:**
- Collaboration in a highly-motivated multi-disciplinary team with excellent contacts to industry as well as to national and international research organizations
- Gross income € 3.072,- (for a classification as a PhD candidate; full-time employment, 14 times a year)
- Flexible working hours
- Possibility to perform a PhD thesis

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

**Polymer Competence Center Leoben GmbH**
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